

Table S1. Search strategy used in PubMed

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| | Cardiovascular Diseases | |
| 1 | cardiovascular disease*[tiab] | 158,869 |
| 2 | cardiovascular diseases[majr:noexp] | 95,167 |
| 3 | cardiovascular diseases[mh] | 2,256,281 |
| 4 | cardiovascular diseases[mh:noexp] | 136,098 |
| 5 | myocardial infarction[majr] | 124,856 |
| 6 | coronary disease[majr] | 163,987 |
| 7 | stroke[majr] | 89,288 |
| 8 | brain ischemia[majr:noexp] | 37,147 |
| 9 | cerebrovascular accident[tiab] | 4,211 |
| 10 | death, sudden, cardiac[majr] | 9,124 |
| 11 | heart diseases[majr:noexp] | 48,891 |
| 12 | cardiovascular mortality[tiab] | 12,184 |
| 13 | coronary[tiab] | 378,233 |
| 14 | artery[tiab] | 487,812 |
| 15 | disease[tiab] | 2,867,168 |
| 16 | (#13) AND (#14 OR #15) | 263,475 |
| 17 | stroke[tiab] | 218,939 |
| 18 | brain[tiab] | 929,305 |
| 19 | cerebrovascular[tiab] | 53,207 |
| 20 | cerebral[tiab] | 344,308 |
| 21 | brainstem[tiab] | 43,444 |
| 22 | (#17) AND (#18 OR #19 OR #20 OR #21) | 68,560 |
| 23 | intracranial hemorrhages[majr] | 47,765 |
| 24 | intracranial hemorrhage, traumatic[majr] | 9,136 |
| 25 | cerebral hemorrhages[majr] | 21,291 |
| 26 | ((#23 NOT #24)) OR #25 | 39,587 |
| 27 | (#1 OR #2 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #16 OR #22 OR #26) | 850,063 |
| | Risk Assessment | |
| 28 | risk assessment[mh] | 242,173 |
| 29 | Risk Assess*[tiab] | 60,378 |
| 30 | Health Risk Assess*[tiab] | 3,539 |
| 31 | Risk Function*[tiab] | 607 |
| 32 | Risk Equation*[tiab] | 583 |
| 33 | Risk Calc*[tiab] | 1,981 |
| 34 | Risk Scor*[tiab] | 17,789 |
| 35 | Risk Predict*[tiab] | 9,746 |
| 36 | Risk Factor Calc*[tiab] | 3 |
| 37 | Risk Factor Assess*[tiab] | 785 |
| 38 | Risk Chart*[tiab] | 223 |
| 39 | Risk Engine*[tiab] | 161 |
| 40 | Risk Appraisal*[tiab] | 652 |
| 41 | Prediction Model*[tiab] | 14,171 |
| 42 | Risk algorithm[tiab] | 233 |

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| 43 | Scoring* Method*[tiab] | 43,976 |
| 44 | Scoring Scheme*[tiab] | 789 |
| 45 | (#28 OR #29 OR #30 OR #31 OR #32 OR #33 OR #34 OR #35 OR #36 OR #37 OR #38 OR #39 OR #40 OR #41 OR #42 OR #43 OR #44) | 346,361 |
| | Coronary Artery Disease Risk Models | |
| 46 | assign score*[tiab] | 50 |
| 47 | brhs[tiab] | 26 |
| 48 | British regional heart[tiab] | 143 |
| 49 | British national heart[tiab] | 52 |
| 50 | busselton[tiab] | 247 |
| 51 | decode study[tiab] | 27 |
| 52 | Dundee risk score*[tiab] | 4 |
| 53 | erica risk[tiab] | 229 |
| 54 | findris*[tiab] | 165 |
| 55 | framingham equation*[tiab] | 205 |
| 56 | framingham estim*[tiab] | 8 |
| 57 | framingham heart study algorithm[tiab] | 2 |
| 58 | Framingham algorithm[tiab] | 49 |
| 59 | Framingham guideline*[tiab] | 607 |
| 60 | Framingham risk[tiab] | 2,622 |
| 61 | Framingham score*[tiab] | 402 |
| 62 | Framingham function*[tiab] | 52 |
| 63 | Framingham model*[tiab] | 98 |
| 64 | Glostrup[tiab] | 327 |
| 65 | New Zealand chart*[tiab] | 515 |
| 66 | precord[tiab] | 5 |
| 67 | PROCAM[tiab] | 233 |
| 68 | Reynolds risk score*[tiab] | 68 |
| 69 | score project[tiab] | 56 |
| 70 | Sheffield table*[tiab] | 34 |
| 71 | shaper score*[tiab] | 21 |
| 72 | Systematic Coronary Risk Evaluation[tiab] | 296 |
| 73 | (#46 OR #47 OR #48 OR #49 OR #50 OR #51 OR #52 OR #53 OR #54 OR #55 OR #56 OR #57 OR #58 OR #59 OR #60 OR #61 OR #62 OR #63 OR #64 OR #65 OR #66 OR #67 OR #68 OR #69 OR #70 OR #71 OR #72) | 5,706 |
| | Tools | |
| 74 | (surveys and questionnaires[majr:noexp]) | 42,079 |
| 75 | patient reported outcome measures[majr:noexp] | 1,630 |
| 76 | health care surveys[majr:noexp] | 3,808 |
| 77 | survey tools[tiab] | 201 |
| 78 | survey instrument*[tiab] | 3,760 |
| 79 | community surveys[majr:noexp] | 42,079 |
| 80 | ("surveys and questionnaires"[tiab]) | 889 |
| 81 | (#74 NOT #80) | 42,027 |
| 82 | outcome measure*[tiab] | 207,525 |
| 83 | outcome assessments[tiab] | 1,121 |

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| 84 | (#75 OR #76 OR #77 OR #78 OR #81 OR #82 OR #83) | 256,161 |
| | Underserved populations | |
| 85 | vulnerable populations[majr:noexp] | 4,132 |
| 86 | medically underserved area*[majr:noexp] | 3,189 |
| 87 | disadvantaged populations[tiab] | 851 |
| 88 | (underserved[tiab]) AND (patients OR populations[tiab]) | 4,624 |
| 89 | sensitive population*[tiab] | 537 |
| 90 | sensitive population group*[tiab] | 17 |
| 91 | medically underserved population*[tiab] | 246 |
| 92 | (#86 OR #91) | 3,377 |
| 93 | (#89 OR #90) | 537 |
| 94 | (limited) AND health resource*[mh] | 1,670 |
| 95 | (#85 OR #87 OR #88 OR #92 OR #93 OR #94) | 14,124 |
| | Summation | |
| 96 | (#45 AND #84 AND #73) | 149 |
| 97 | (#27 AND #96 AND English[la] AND humans[mh] AND young adult*[mh] AND 2008:2019[dp]) | 5 |
| 98 | (#27 AND #96 AND English[la] AND humans[mh] AND #95 AND 2008:2019[dp]) | 0 |
| 99 | (#27 AND #96 AND English[la] AND humans[mh] AND young adult*[mh] AND #95 AND 2008:2019[dp]) | 0 |
| 100 | (#27 AND #96 AND English[la] AND humans[mh] OR young adult*[mh] AND #95 AND 2008:2019[dp]) | 1,126 |
| 101 | (#27 AND #96 AND English[la] AND humans[mh] AND young adult*[tiab] AND 2008:2019[dp]) | 1 |
| 102 | (#27 AND #96 AND English[la] AND humans[mh] OR young adult*[tiab] AND #95 AND 2008:2019[dp]) | 59 |
| 103 | (#45 OR #84 OR #73) | 594,736 |
| 104 | (#27 AND #103 AND English[la] AND humans[mh] AND young adult*[mh] AND 2008:2019[dp]) | 2,934 |
| 105 | (#27 AND #103 AND English[la] AND humans[mh] AND #95 AND 2008:2019[dp]) | 43 |
| 106 | (#27 AND #103 AND English[la] AND humans[mh] AND young adult*[mh] AND #95 AND 2008:2019[dp]) | 2 |
| 107 | (#27 AND #103 AND English[la] AND humans[mh] OR young adult*[mh] AND #95 AND 2008:2019[dp]) | 1,167 |
| 108 | (#27 AND #103 AND English[la] AND humans[mh] AND young adult*[tiab] AND 2008:2019[dp]) | 365 |
| 109 | (#27 AND #103 AND English[la] AND humans[mh] OR young adult*[tiab] AND #95 AND 2008:2019[dp]) | 102 |
| 110 | ((#45 AND #84)) OR #73 | 15,915 |
| 111 | (#27 AND #110 AND English[la] AND humans[mh] AND young adult*[mh] AND 2008:2019[dp]) | 298 |
| 112 | (#27 AND #110 AND English[la] AND humans[mh] AND #95 AND 2008:2019[dp]) | 6 |
| 113 | (#27 AND #110 AND English[la] AND humans[mh] AND young adult*[mh] AND #95 AND 2008:2019[dp]) | 0 |

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| 114 | (#27 AND #110 AND English[la] AND humans[mh] OR young adult*[mh] AND #95 AND 2008:2019[dp]) | 1,132 |
| 115 | (#27 AND #110 AND English[la] AND humans[mh] AND young adult*[tiab] AND 2008:2019[dp]) | 33 |
| 116 | (#27 AND #110 AND English[la] AND humans[mh] OR young adult*[tiab] AND #95 AND 2008:2019[dp]) | 65 |
| | Tools in young adults (SR research question 1) | |
| 117 | #97 OR #101 OR #104 OR #108 OR #111 OR #115 | 3,108 |
| 118 | #117 AND letter[pt] | 23 |
| 119 | #117 AND comment[pt] | 17 |
| 120 | #117 AND editorial[pt] | 14 |
| 121 | #118 OR #119 OR #120 | 42 |
| 122 | #117 NOT #121 | 3,066 (3,110 as at 5/28/19; 3,121 as at 5/29/19) |
| | Tools for underserved young adults (SR research question 2) | |
| 123 | #100 OR #102 OR #105 OR #106 OR #107 OR #109 OR #112 OR #114 OR #116 | 1,188 |
| 124 | #123 AND letter[pt] | 5 |
| 125 | #123 AND comment[pt] | 0 |
| 126 | #123 AND editorial[pt] | 2 |
| 127 | #124 OR #125 OR #126 | 7 |
| 128 | #123 NOT #127 | 1,181 |

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Conditional Formatting Format as Table Cell Styles Insert Delete Format AutoSum Fill Sort & Find & Filter Select Analyze Data Sensitivity

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| 1 | Author(s): | Date of publication: | Citation: | Study population: | Study aim(s) & objective(s) | Sample size | Age range (y) | Gender | Race/Ethnicity | SES (if specified) | Country of origin | Other Characteristics | Setting (incl. city, state, country & v & | Type of Study | Study duration | Experimental conditions (if applicable) | No. of study arms | Description of intervention(s) & comparators: | Main outcome measures: | Was a survey or assessment tool developed and/or validated specifically for | Risk assessment measure/ tool | Assessment based on clinical factors, non clinical or both? |
| 2 | | | | | | | | | | | | | | | | | | | | | | |
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Sheet3 Short_form Form sample Charts Sheet1

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Figure S1. Sample of data extraction form used.