

## SUPPLEMENTAL MATERIAL

## Supplementary Table.

Table S1: Search strategy used in different databases

MEDLINE	
1. cardiovascular risk score.mp	34. risk engine.mp
2. CVD risk score.mp	35. risk calculator.mp
3. coronary disease risk score.mp	36. risk score.mp
4. heart disease risk score.mp	37. prediction tool*.mp
5. CVD risk assessment.mp	38. prediction rule*.mp
6. coronary risk assessment.mp	39. risk model*.mp
7. stroke risk score	40. prognostic tool*.mp
8. 1 or 2 or 3 or 4 or 5 or 6 or 7	41. prognostic model*.mp
9. Framingham risk score.mp	42. exp Risk Assessment/cl, mt, st, sn, sd, td, ut [Classification, Methods, Standards, Statistics & Numerical Data, Supply & Distribution, Trends, Utilization]
10. Framingham equation.mp	43. risk algorithm.mp
11. Framingham model.mp	44. prediction algorithm.mp
12. SCORE.mp	45. 26 or 27 or 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
13. QRISK.mp	46. validation.mp. or exp Validation Studies/
14. PROCAM.mp	47. validate*.mp
15. DECODE.mp	48. 46 or 47
16. UKPDS.mp	49. 8 or 25 or 45 or 48
17. Reynolds risk.mp	50. diabetes.mp
18. Dundee risk.mp	51. type 2 diabetes.mp
19. BRHS score.mp	52. exp Diabetes Mellitus, Type 2/
20. Copenhagen risk.mp	53. exp Diabetic Angiopathies/
21. British Regional Heart Study.mp	54. diabetes mellitus/ or diabetes complications/
22. Swedish National Diabetes Register.mp	55. 50 or 51 or 52 or 53 or 54
23. New Zealand chart.mp	56. CVD.mp
24. ASSIGN score.mp	57. exp Coronary Artery Disease/
25. 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24	58. CAD.mp
26. prediction model.mp	59. coronary heart disease.mp. or exp Coronary Disease/
27. risk function.mp	60. CHD.mp
28. risk prediction.mp	61. exp Heart Failure/
29. risk table.mp	62. exp Stroke/
30. predictive model*.mp	63. Cardiovascular Diseases/
31. exp "Predictive Value of Tests"/	64. 56 or 57 or 58 or 59 or 60 or 61 or 62 or 63
32. risk chart.mp	65. 49 AND 55 AND 64
33. risk equation.mp	

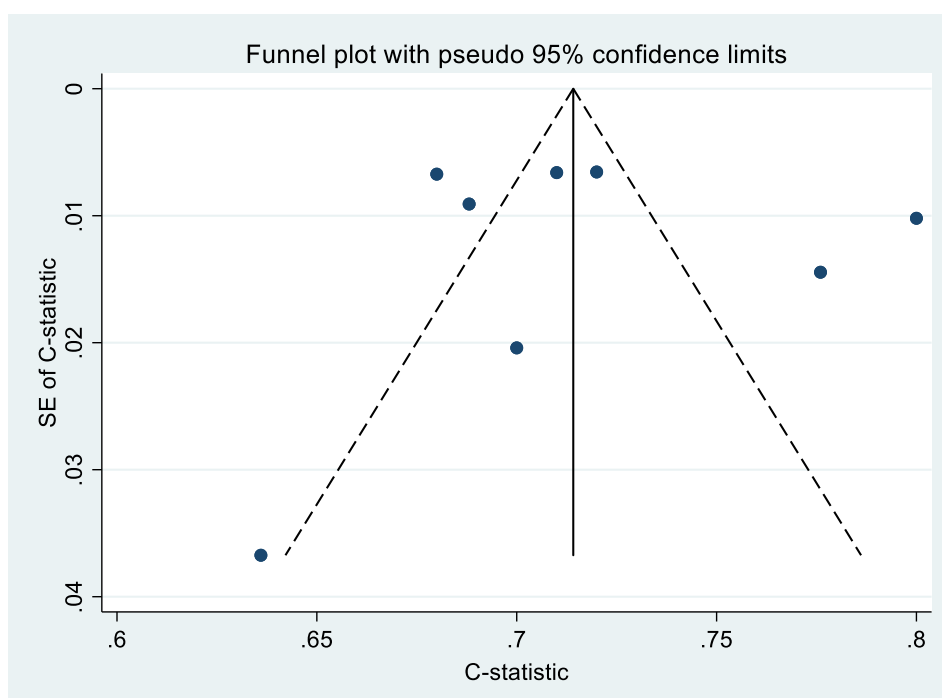
PubMed	
<p>(((((("diabetes mellitus"[MeSH Terms] OR "diabetes insipidus"[MeSH Terms]) OR "diabetes mellitus"[MeSH Terms]) OR "diabetes mellitus, type 2"[MeSH Terms]) OR "diabetic angiopathies"[MeSH Terms]) AND (((((((("cardiovascular diseases"[MeSH Terms] OR CVD[Text Word]) OR "coronary artery disease"[MeSH Terms]) OR CAD[Text Word]) OR "coronary disease"[MeSH Terms]) OR CHD[Text Word]) OR "heart failure"[MeSH Terms]) OR "stroke"[MeSH Terms])) AND (((((((((((((((prediction model[Text Word] OR "risk assessment"[MeSH Terms]) OR ("risk"[MeSH Terms] OR "risk"[All Fields]) AND "physiology"[MeSH Terms])) OR risk prediction[Text Word]) OR risk table[Text Word]) OR ("risk"[MeSH Terms] OR "risk"[All Fields]) AND "algorithms"[MeSH Terms])) OR (predictive model[Text Word] OR predictive modeling[Text Word] OR predictive modelling[Text Word] OR predictive models[Text Word])) OR "predictive value of tests"[MeSH Terms]) OR risk chart[Text Word]) OR risk equation[Text Word]) OR risk engine[Text Word]) OR risk calculator[Text Word]) OR risk score[Text Word]) OR (prediction tool[Text Word] OR prediction tools[Text Word]) OR (prediction rule[Text Word] OR prediction rules[Text Word])) OR (risk model[Text Word] OR risk modeled[Text Word] OR risk modeling[Text Word] OR risk modelling[Text Word] OR risk models[Text Word])) OR (prediction[All Fields] AND "algorithms"[MeSH Terms])) OR (prognostic tool[Text Word] OR prognostic tools[Text Word])) OR (prognostic model[Text Word] OR prognostic modeling[Text Word] OR prognostic modelling[Text Word] OR prognostic models[Text Word])) OR (((cardiovascular risk score[Text Word] OR CVD risk score[Text Word]) OR ("heart"[MeSH Terms] OR "heart"[All Fields] OR "coronary"[All Fields]) AND disease risk score[Text Word])) OR heart disease risk score[Text Word]) OR CVD risk assessment[Text Word]) OR coronary risk assessment[Text Word])) OR (((((((((((Framingham risk score[Text Word] OR Framingham equation[Text Word]) OR Framingham model[Text Word]) OR SCORE risk charts[Text Word]) OR QRISK[Text Word]) OR PROCAM[Text Word]) OR DECODE[Text Word]) OR UKPDS[Text Word]) OR (Reynolds[All Fields] AND risk[Text Word])) OR (Dundee[All Fields] AND risk[Text Word])) OR BRHS score[Text Word]) OR (Copenhagen[All Fields] AND risk[Text Word])) OR British Regional Heart Study[Text Word]) OR Swedish National Diabetes Register[Text Word]) OR (("new zealand"[MeSH Terms] OR ("new"[All Fields] AND "zealand"[All Fields]) OR "new zealand"[All Fields]) AND chart[Text Word])) OR ASSIGN score[Text Word])) OR ((validation[Text Word] OR validation studies[Text Word]) OR (validate[Text Word] OR validate'[Text Word] OR validate29[Text Word] OR validated[Text Word] OR validated'[Text Word] OR validated12[Text Word] OR validatedcaffeine[Text Word] OR validatedfor[Text Word] OR validatedfurther[Text Word] OR validatedin[Text Word] OR validatedsanitization[Text Word] OR validates[Text Word] OR validates'[Text Word] OR validatethe[Text Word] OR validatethese[Text Word]))))</p>	
EMBASE	
<ol style="list-style-type: none"> <li>1. exp diabetes mellitus/co, cn, di, dm, ep, et, pc, si [Complication, Congenital Disorder, Diagnosis, Disease Management, Epidemiology, Etiology, Prevention, Side Effect]</li> <li>2. non insulin dependent diabetes mellitus/co, cn, di, dm, ep, et, pc, si [Complication, Congenital Disorder, Diagnosis, Disease Management, Epidemiology, Etiology, Prevention, Side Effect]</li> <li>3. diabetes mellitus, type 2.mp.</li> <li>4. exp diabetic angiopathy/co, cn, di, dm, ep, et, pc, si [Complication, Congenital</li> </ol>	<ol style="list-style-type: none"> <li>38. exp coronary risk/</li> <li>39. stroke risk score.mp</li> <li>40. 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39</li> <li>41. exp validation study/ or validation.mp.</li> <li>42. validate*.mp.</li> <li>43. 41 or 42</li> <li>44. exp Framingham risk score/</li> <li>45. Framingham equation.mp.</li> <li>46. Framingham model.mp.</li> <li>47. SCORE.mp.</li> <li>48. exp QRISK score/</li> <li>49. exp PROCAM score/</li> <li>50. DECODE.mp.</li> </ol>

<p>Disorder, Diagnosis, Disease Management, Epidemiology, Etiology, Prevention, Side Effect]</p> <ol style="list-style-type: none"> <li>5. 1 or 2 or 3 or 4</li> <li>6. exp prediction/</li> <li>7. exp model/</li> <li>8. 6 and 7</li> <li>9. exp risk assessment/</li> <li>10. risk function.mp.</li> <li>11. exp risk/</li> <li>12. 6 and 11</li> <li>13. risk table.mp.</li> <li>14. exp algorithm/</li> <li>15. 11 and 14</li> <li>16. predictive model.mp.</li> <li>17. exp predictive value/</li> <li>18. risk chart.mp.</li> <li>19. risk equation.mp.</li> <li>20. risk engine.mp.</li> <li>21. risk calculator.mp.</li> <li>22. risk score.mp.</li> <li>23. prediction tool*.mp.</li> <li>24. prediction rule*.mp.</li> <li>25. 7 and 11</li> <li>26. 6 and 14</li> <li>27. prognostic tool*.mp.</li> <li>28. exp prognosis/</li> <li>29. 7 and 28</li> <li>30. 8 or 9 or 10 or 12 or 13 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 29</li> <li>31. cardiovascular risk score.mp.</li> <li>32. CVD risk score.mp.</li> <li>33. exp cardiovascular risk/</li> <li>34. coronary disease risk score.mp.</li> <li>35. heart disease risk score.mp.</li> <li>36. CVD risk assessment.mp.</li> <li>37. coronary risk assessment.mp.</li> </ol>	<ol style="list-style-type: none"> <li>51. UKPDS.mp.</li> <li>52. exp Reynolds risk score/</li> <li>53. Dundee risk.mp.</li> <li>54. BRHS score.mp.</li> <li>55. Copenhagen risk.mp.</li> <li>56. British Regional Heart Study.mp.</li> <li>57. Swedish National Diabetes Register.mp.</li> <li>58. New Zealand chart.mp.</li> <li>59. ASSIGN score.mp.</li> <li>60. SCORE risk charts.mp.</li> <li>61. 41 or 42 or 43 or 44 or 45 or 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</li> <li>62. 30 or 40 or 43 or 61</li> <li>63. CVD.mp.</li> <li>64. exp coronary artery disease/co, cn, di, dm, ep, et, pc, si [Complication, Congenital Disorder, Diagnosis, Disease Management, Epidemiology, Etiology, Prevention, Side Effect]</li> <li>65. CAD.mp.</li> <li>66. exp ischemic heart disease/co, cn, di, dm, ep, et, pc, si [Complication, Congenital Disorder, Diagnosis, Disease Management, Epidemiology, Etiology, Prevention, Side Effect]</li> <li>67. CHD.mp.</li> <li>68. coronary disease.mp.</li> <li>69. exp heart failure/co, cn, di, dm, ep, et, pc, si [Complication, Congenital Disorder, Diagnosis, Disease Management, Epidemiology, Etiology, Prevention, Side Effect]</li> <li>70. exp cerebrovascular accident/co, cn, di, dm, ep, et, pc, si [Complication, Congenital Disorder, Diagnosis, Disease Management, Epidemiology, Etiology, Prevention, Side Effect]</li> <li>71. stroke.mp.</li> <li>72. cardiovascular disease/</li> <li>73. 63 or 64 or 65 or 66 or 67 or 68 or 69 or 70 or 71 or 72</li> <li>74. 5 AND 62 AND 73</li> </ol>
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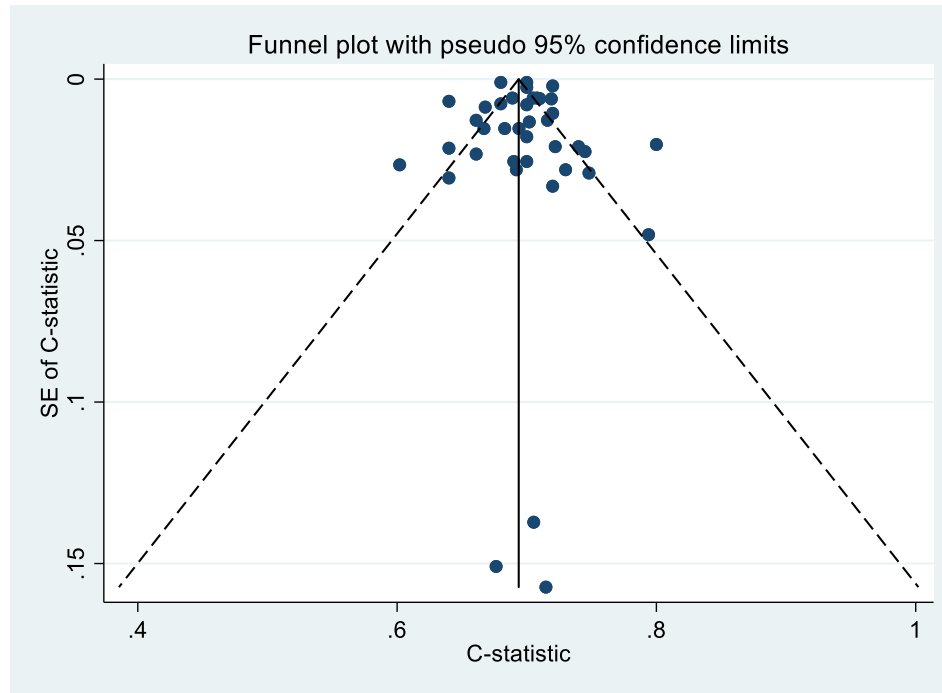
**Supplementary Figure Legends.**

**Figure S1.** Funnel plot for the assessment of publication bias among studies where risk prediction models for stroke were developed in diabetes populations.

**Figure S2.** Funnel plot for the assessment of publication bias among studies where risk prediction models for stroke (as part of a composite cardiovascular disease outcome) were developed in diabetes populations.

**Supplementary Figures.****Figure S1.**

**Figure S1.** Funnel plot for the assessment of publication bias among studies where risk prediction models for stroke were developed in diabetes populations.

**Figure S2.**

**Figure S2.** Funnel plot for the assessment of publication bias among studies where risk prediction models for stroke (as part of a composite cardiovascular disease outcome) were developed in diabetes populations.