### Supplementary material: Table S1. Distribution of people at high risk using DETECT-2, DDRS, FINDRISC, EGATS, NUDS, Hisayama, ITD and ARIC score.

|         | DETECT-2 | DDRS | Cambridge | FINDRISC | EGATS | NUDS | Hisayama | AUSDRISK | ITD | ARIC |
|---------|----------|------|-----------|----------|-------|------|----------|----------|-----|------|
| nHR     | nHR      | nHR  | nHR       | nHR      | nHR   | nHR  | nHR      | nHR      |     |      |
| HR      | 10,101   | 3,227| 3,734     | 1,972    | 46,235| 4,880| 1,055    | 1,036    | 290 | 3,734|
|         |          |      |           |          |       |      |          |          |     |      |
| Kappa   | 0.501    | 0.564| 0.654     | 0.497    | 0.277 | 0.432| 0.327    | 0.395    | 0.222| 0.518|
|         |          |      |           |          |       |      |          |          |     |      |
| nHR     | 47,443   | 3,734| NA        | 46,235   | 4,880 | 6,267| 1,055    | 1,036    | 290 | 3,734|
| HR      |          |      |           |          |       |      |          |          |     |      |
|         |          |      |           |          |       |      |          |          |     |      |
| Kappa   | 0.501    | 0.638| 0.518     | 0.473    | 0.293 | 0.327| 0.395    | 0.271    | 0.298|      |
|         |          |      |           |          |       |      |          |          |     |      |
| nHR     | 45,344   | 1,972| 46,235    | 42,789   | 4,517 | 6,267| 3,961    | 1,036    | 290 | 3,734|
| HR      |          |      |           |          |       |      |          |          |     |      |
|         |          |      |           |          |       |      |          |          |     |      |
| Kappa   | 0.501    | 0.638| 0.555     | 0.633    | 0.414 | 0.541| 0.524    | 0.187    | 0.293|      |
|         |          |      |           |          |       |      |          |          |     |      |
| nHR     | 45,780   | 1,002| 44,910    | 42,789   | 3,961| 6,267| 1,000    | 1,000    | 795 | 1,128|
| HR      |          |      |           |          |       |      |          |          |     |      |
|         |          |      |           |          |       |      |          |          |     |      |
| Kappa   | 0.501    | 0.518| 0.555     | 0.664    | 0.399 | 0.480| 0.645    | 0.193    | 0.358|      |
|         |          |      |           |          |       |      |          |          |     |      |
| nHR     | 40,569   | 553  | 40,603    | 40,085   | 1,036| 40,122| 40,085   | 30,049  | 30,914|      |
| HR      |          |      |           |          |       |      |          |          |     |      |
|         |          |      |           |          |       |      |          |          |     |      |
| Kappa   | 0.497    | 0.473| 0.633     | 0.664    | 0.562 | 0.624| 0.713    | 0.121    | 0.249|      |
|         |          |      |           |          |       |      |          |          |     |      |
| nHR     | 30,720   | 484  | 31,198    | 30,914   | 290  | 30,409| 29,827   | 1,353   | NA  | 1,353|
| HR      |          |      |           |          |       |      |          |          |     |      |
|         |          |      |           |          |       |      |          |          |     |      |
| Kappa   | 0.497    | 0.473| 0.633     | 0.664    | 0.562 | 0.624| 0.713    | 0.121    | 0.249|      |
|        | HR   | 19,967 | 7,858 | 19,977 | 7,830 | 16,389 | 11,372 | 16,363 | 11,462 | 11,286 | 16,532 | NA     | NA     | 11,422 | 16,396 | 14,004 | 13,690 | 26,007 | 1,792 | 258 | 3,491 |
|--------|------|--------|-------|--------|-------|--------|--------|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|-------|-----|-----|------|
| Kappa  |      | 0.277  | 0.293 | 0.414  | 0.399 | 0.562  | 0.540  | 0.444  | 0.067  | 0.123  |        |       |       |        |        |        |        |       |     |     |      |
|        | nHR | 39,602 | 1,128 | 38,767 | 1,941 | 38,799 | 1,931 | 37,772 | 2,958  | 4,531  | 29,307 | NA    | NA    | 38,579 | 2,063 | 40,515 | 209   | 40,505 | 225  |     |     | 0.277 |
|        | HR  | 11,038 | 7,214 | 12,345 | 5,889 | 8,457  | 9,731 | 8,457  | 9,296  | 4,895  | 13,355 | 1,855 | 16,396 | NA    | NA    | 4,656  | 13,538 | 16,630 | 1,599 | 14,728 | 3,524 |     |     |      |
| Kappa  |      | 0.432  | 0.327 | 0.541  | 0.480 | 0.624  | 0.540  | 0.722  | 0.110  | 0.240  |        |       |       |        |        |        |        |       |     |     |      |
|        | nHR | 42,396 | 899   | 41,384 | 1,891 | 40,276 | 3,001 | 41,231 | 2,064  | 38,733 | 4,532  | 29,278 | 14,004 | 38,579 | 4,656  | NA     | NA     | 43,067 | 216  | 45,330 | 7,214 |     |     |      |
|        | HR  | 8,245  | 7,356 | 9,742  | 5,844 | 6,991  | 8,565 | 5,497  | 10,104 | 2,351  | 13,249 | 1,911  | 13,690 | 2,063  | 13,538 | NA     | NA     | 14,016 | 1,566 | 11,869 | 3,732 |     |     |      |
| Kappa  |      | 0.531  | 0.395 | 0.524  | 0.645 | 0.713  | 0.444  | 0.722  | 0.133  | 0.316  |        |       |       |        |        |        |        |       |     |     |      |
|        | nHR | 50,195 | 7,008 | 50,845 | 6,345 | 47,041 | 10,104 | 46,614 | 10,589 | 40,974 | 16,198 | 31,183 | 26,007 | 40,515 | 16,630 | 43,067 | 14,016 | NA    | NA   | 54,321 | 2,882 |     |     |      |
|        | HR  | 483   | 1,325 | 326    | 1,482 | 257    | 1,545 | 152    | 1,656  | 138    | 1,670  | 16     | 1,792  | 209   | 1,599  | 216   | 1,566  | NA    | NA   | 945  | 863  |     |     |
| Kappa  |      | 0.222  | 0.271 | 0.187  | 0.193 | 0.121  | 0.067  | 0.110  | 0.133  | 0.281  |        |       |       |        |        |        |        |       |     |     |      |
|        | nHR | 50,340 | 4,953 | 49,507 | 5,755 | 46,354 | 8,881 | 46,397 | 8,896  | 40,919 | 14,343 | 30,946 | 24,334 | 40,505 | 14,728 | 43,290 | 11,869 | 54,321 | 945  | NA   | NA   |     |     |
|        | HR  | 360   | 3,389 | 1,670  | 2,075 | 962    | 2,781 | 385    | 3,364  | 203    | 346    | 258    | 3,491  | 225   | 3,524  | 5     | 3,732  | 2,882 | 863  | NA   | NA   |     |     |
| Kappa  |      | 0.518  | 0.298 | 0.293  | 0.358 | 0.249  | 0.123  | 0.240  | 0.316  | 0.281  |        |       |       |        |        |        |        |       |     |     |      |

DETECT-2: Diabetes and Impaired Glucose Tolerance; DDRS: Danish diabetes Risk score; Cambridge: Cambridge Risk Score; FIDRISC: FINnish Diabetes Risk Score; EGATS: Electric Generating Authority of Thailand Study; NUDS, National Urban Diabetes Survey; Hisayama: Hisayama study; AUSDRISK: AUSTRalian Type 2 Diabetes RISK; ITD: Instrument for type 2 diabetes; ARIC: Atherosclerosis Risk in Communities. NA: Non-Applicable; HR: high risk; nHR: non-high risk.