SUPPLEMENTARY MATERIALS

Mortality attributable to type 2 diabetes mellitus in Latin America and the Caribbean: a comparative risk assessment analysis

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### Supplementary Table 1: Relative Risks (RRs) of All-Cause Mortality in Population with vs without Type 2 Diabetes Mellitus (T2DM)

| Age group | RR for all-cause mortality (95% IC) |
|-----------|-------------------------------------|
| 20 to 24  | 2.80 (1.46-5.39)                     |
| 25 to 29  | 2.74 (1.55-4.85)                     |
| 30 to 34  | 2.69 (1.65-4.37)                     |
| 35 to 39  | 2.63 (1.75-3.95)                     |
| 40 to 44  | 2.58 (1.86-3.59)                     |
| 45 to 49  | 2.53 (1.95-3.28)                     |
| 50 to 54  | 2.48 (2.01-3.05)                     |
| 55 to 59  | 2.43 (2.01-2.92)                     |
| 60 to 64  | 2.38 (1.94-2.91)                     |
| 65 to 69  | 2.33 (1.81-3.00)                     |
| 70 to 74  | 2.28 (1.66-3.14)                     |
| 75 to 79  | 2.23 (1.50-3.32)                     |
| 80 to 84  | 2.19 (1.36-3.53)                     |
| 85 plus   | 2.13 (1.19-3.81)                     |

These RRs were derived from a meta-analysis of cohorts conducted in LAC population.

Reference: Carrillo-Larco RM, Barengo NC, Albitres-Flores L, Bernabe-Ortiz A. The risk of mortality among people with type 2 diabetes in Latin America: A systematic review and meta-analysis of population-based cohort studies. Diabetes Metab Res Rev. 2019;35(4):e3139.
### Supplementary table 2: population attributable fractions (PAF), absolute number of all-cause deaths, and age-standardised death rates attributable to T2DM by country and sex in 1990 and 2019

| Country               | Year (for deaths) | Sex  | PAF  | PAF lower limit (95% CI) | PAF upper limit (95% CI) | Attributable deaths | Attributable deaths lower limit (95% CI) | Attributable deaths upper limit (95% CI) | Death rate per 100,000 people | Death rate per 100,000 people lower limit (95% CI) | Death rate per 100,000 people upper limit (95% CI) |
|-----------------------|-------------------|------|------|--------------------------|--------------------------|--------------------|------------------------------------------|------------------------------------------|-------------------------------|------------------------------------------------|------------------------------------------------|
| Argentina             | 1990              | Men  | 0.17 | 0.06/0.29                | 20914                    | 7833               | 37181                                    | 222                                      | 86/374                         |                                                  |                                                  |
| Argentina             | 1990              | Women | 0.16 | 0.05/0.3                 | 15941                    | 5108               | 30358                                    | 122                                      | 42/216                         |                                                  |                                                  |
| Chile                 | 1990              | Men  | 0.15 | 0.06/0.28                | 5897                     | 2161               | 10677                                    | 201                                      | 79/340                         |                                                  |                                                  |
| Chile                 | 1990              | Women | 0.18 | 0.06/0.32                | 5302                     | 1902               | 9719                                     | 144                                      | 55/244                         |                                                  |                                                  |
| Uruguay               | 1990              | Men  | 0.17 | 0.07/0.3                 | 2585                     | 980                | 4607                                     | 222                                      | 92/360                         |                                                  |                                                  |
| Uruguay               | 1990              | Women | 0.17 | 0.06/0.32                | 2197                     | 731                | 4180                                     | 129                                      | 49/216                         |                                                  |                                                  |
| Antigua and Barbuda*  | 1990              | Men  | 0.12 | 0.03/0.23                | 25                       | 7                  | 52                                       | 158                                      | 42/304                         |                                                  |                                                  |
| Antigua and Barbuda   | 1990              | Women | 0.16 | 0.04/0.3                 | 30                       | 8                  | 62                                       | 113                                      | 34/213                         |                                                  |                                                  |
| Bahamas*              | 1990              | Men  | 0.13 | 0.05/0.24                | 96                       | 32                 | 184                                      | 224                                      | 79/408                         |                                                  |                                                  |
| Bahamas               | 1990              | Women | 0.17 | 0.06/0.3                 | 95                       | 32                 | 181                                      | 163                                      | 61/286                         |                                                  |                                                  |
| Barbados              | 1990              | Men  | 0.14 | 0.04/0.26                | 140                      | 41                 | 281                                      | 156                                      | 47/292                         |                                                  |                                                  |
| Barbados              | 1990              | Women | 0.18 | 0.06/0.34                | 203                      | 61                 | 403                                      | 145                                      | 48/261                         |                                                  |                                                  |
| Belize                | 1990              | Men  | 0.12 | 0.04/0.23                | 40                       | 12                 | 82                                       | 128                                      | 43/241                         |                                                  |                                                  |
| Belize                | 1990              | Women | 0.17 | 0.06/0.31                | 50                       | 16                 | 97                                       | 148                                      | 55/263                         |                                                  |                                                  |
| Cuba                  | 1990              | Men  | 0.13 | 0.04/0.26                | 4969                     | 1569               | 9590                                     | 138                                      | 50/237                         |                                                  |                                                  |
| Country                  | Year | Gender | Age Group 1 | Age Group 2 | Age Group 3 | Total 1 | Total 2 | Total 3 | Total 4 | Total 5 | Total 6 |
|--------------------------|------|--------|-------------|-------------|-------------|---------|---------|---------|---------|---------|---------|
| Cuba                     | 1990 | Women  | 0.16        | 0.05        | 0.3         | 4681    | 1476    | 8911    | 124     | 45      | 209     |
| Dominica                 | 1990 | Men    | 0.12        | 0.04        | 0.24        | 37      | 11      | 79      | 176     | 52      | 350     |
| Dominica                 | 1990 | Women  | 0.17        | 0.06        | 0.32        | 56      | 17      | 114     | 167     | 57      | 309     |
| Dominican Republic       | 1990 | Men    | 0.09        | 0.02        | 0.19        | 1161    | 274     | 2606    | 98      | 25      | 204     |
| Dominican Republic       | 1990 | Women  | 0.12        | 0.04        | 0.24        | 1136    | 301     | 2439    | 95      | 27      | 188     |
| Grenada*                 | 1990 | Men    | 0.11        | 0.02        | 0.22        | 41      | 9       | 90      | 183     | 43      | 365     |
| Grenada                  | 1990 | Women  | 0.15        | 0.04        | 0.29        | 57      | 15      | 118     | 158     | 48      | 296     |
| Guyana*                  | 1990 | Men    | 0.09        | 0.02        | 0.18        | 268     | 54      | 600     | 236     | 53      | 497     |
| Guyana                   | 1990 | Women  | 0.13        | 0.04        | 0.24        | 275     | 72      | 581     | 220     | 63      | 434     |
| Haiti*                   | 1990 | Men    | 0.08        | 0.01        | 0.16        | 1703    | 278     | 3857    | 191     | 35      | 392     |
| Haiti                    | 1990 | Women  | 0.08        | 0.02        | 0.16        | 1816    | 347     | 4059    | 182     | 39      | 364     |
| Jamaica                  | 1990 | Men    | 0.12        | 0.03        | 0.23        | 628     | 180     | 1257    | 106     | 33      | 196     |
| Jamaica                  | 1990 | Women  | 0.15        | 0.05        | 0.29        | 841     | 255     | 1632    | 113     | 39      | 199     |
| Saint Lucia*             | 1990 | Men    | 0.1          | 0.03        | 0.21        | 41      | 10      | 87      | 169     | 41      | 344     |
| Saint Lucia              | 1990 | Women  | 0.14        | 0.04        | 0.28        | 55      | 15      | 112     | 154     | 45      | 296     |
| Saint Vincent and the Grenadines* | 1990 | Men    | 0.11        | 0.03        | 0.22        | 33      | 9       | 70      | 158     | 44      | 312     |
| Saint Vincent and the Grenadines | 1990 | Women  | 0.15        | 0.05        | 0.29        | 48      | 14      | 96      | 162     | 51      | 302     |
| Suriname*                | 1990 | Men    | 0.14        | 0.05        | 0.25        | 159     | 52      | 301     | 197     | 74      | 334     |
| Suriname                 | 1990 | Women  | 0.17        | 0.06        | 0.32        | 169     | 56      | 317     | 177     | 72      | 291     |
| Country       | Year | Gender | Death Rate | MI | SMI | SMR | CR率 | SMR率 |
|--------------|------|--------|------------|----|-----|-----|------|------|
| Trinidad and Tobago* | 1990  | Men    | 0.09       | 0.2 | 381 | 69  | 821  | 151  | 27   | 311  |
| Trinidad and Tobago* | 1990  | Women  | 0.14       | 0.26 | 457 | 109 | 925  | 150  | 37   | 284  |
| Bolivia      | 1990  | Men    | 0.1        | 0.21 | 1670| 332 | 3646 | 184  | 39   | 378  |
| Bolivia      | 1990  | Women  | 0.12       | 0.23 | 1974| 481 | 4087 | 184  | 49   | 353  |
| Ecuador      | 1990  | Men    | 0.09       | 0.2  | 1855| 349 | 3929 | 107  | 23   | 211  |
| Peru         | 1990  | Women  | 0.12       | 0.24 | 1915| 457 | 3882 | 108  | 28   | 205  |
| Peru         | 1990  | Men    | 0.11       | 0.22 | 5133| 1147| 11395| 134  | 35   | 271  |
| Peru         | 1990  | Women  | 0.13       | 0.25 | 4674| 1162| 10110| 113  | 32   | 221  |
| Colombia     | 1990  | Men    | 0.09       | 0.18 | 7025| 1995| 13944| 129  | 41   | 236  |
| Colombia     | 1990  | Women  | 0.14       | 0.26 | 7059| 2308| 13441| 123  | 45   | 215  |
| Costa Rica   | 1990  | Men    | 0.12       | 0.23 | 634 | 177 | 1295 | 111  | 36   | 203  |
| Costa Rica   | 1990  | Women  | 0.13       | 0.26 | 549 | 159 | 1123 | 87   | 29   | 159  |
| El Salvador  | 1990  | Men    | 0.1        | 0.19 | 1318| 357 | 2602 | 142  | 43   | 255  |
| El Salvador  | 1990  | Women  | 0.14       | 0.26 | 1189| 357 | 2283 | 107  | 37   | 187  |
| Guatemala    | 1990  | Men    | 0.09       | 0.19 | 2220| 466 | 5048 | 201  | 48   | 420  |
| Guatemala    | 1990  | Women  | 0.12       | 0.22 | 2032| 544 | 4285 | 198  | 57   | 385  |
| Honduras     | 1990  | Men    | 0.09       | 0.18 | 786 | 152 | 1863 | 121  | 26   | 264  |
| Honduras     | 1990  | Women  | 0.1        | 0.19 | 669 | 155 | 1484 | 98   | 26   | 199  |
| Mexico       | 1990  | Men    | 0.13       | 0.25 | 23421| 7958| 43532| 174  | 65   | 301  |
| Mexico       | 1990  | Women  | 0.16       | 0.29 | 20468| 7009| 37906| 145  | 53   | 252  |
| Nicaragua    | 1990  | Men    | 0.12       | 0.23 | 624 | 195 | 1200 | 147  | 50   | 260  |
| Country          | Year | Gender | BMI | Height (cm) | Weight (kg) | Waist Circ (cm) | Waist % BMI | Waist % Height | Waist % Weight |
|------------------|------|--------|-----|-------------|-------------|-----------------|-------------|---------------|---------------|
| Nicaragua        | 1990 | Women  | 0.13| 0.04        | 0.25        | 459             | 137         | 888           | 83            | 29            | 144           |
| Panama           | 1990 | Men    | 0.11| 0.03        | 0.22        | 526             | 156         | 1050          | 105           | 34            | 194           |
| Panama           | 1990 | Women  | 0.14| 0.04        | 0.26        | 448             | 133         | 896           | 86            | 29            | 159           |
| Venezuela        | 1990 | Men    | 0.14| 0.05        | 0.26        | 5429            | 2054        | 9835          | 184           | 76            | 310           |
| Venezuela        | 1990 | Women  | 0.15| 0.06        | 0.28        | 4432            | 1596        | 8221          | 131           | 52            | 224           |
| Brazil           | 1990 | Men    | 0.11| 0.03        | 0.21        | 46684           | 14326       | 89476         | 181           | 59            | 327           |
| Brazil           | 1990 | Women  | 0.14| 0.05        | 0.26        | 40926           | 14111       | 76077         | 138           | 50            | 242           |
| Paraguay         | 1990 | Men    | 0.1  | 0.02        | 0.2         | 600             | 108         | 1398          | 89            | 18            | 188           |
| Paraguay         | 1990 | Women  | 0.11| 0.03        | 0.23        | 632             | 139         | 1398          | 77            | 19            | 156           |
| Bermuda*         | 1990 | Men    | 0.2  | 0.07        | 0.35        | 55              | 19          | 99            | 309           | 114           | 525           |
| Bermuda          | 1990 | Women  | 0.21| 0.07        | 0.38        | 44              | 13          | 83            | 171           | 58            | 299           |
| Puerto Rico      | 1990 | Men    | 0.16| 0.06        | 0.29        | 2274            | 807         | 4184          | 196           | 75            | 336           |
| Puerto Rico      | 1990 | Women  | 0.18| 0.06        | 0.33        | 1789            | 581         | 3385          | 124           | 45            | 217           |
| Saint Kitts and Nevis* | 1990 | Men    | 0.15| 0.05        | 0.27        | 32              | 10          | 63            | 282           | 83            | 536           |
| Saint Kitts and Nevis | 1990 | Women  | 0.18| 0.06        | 0.32        | 41              | 14          | 80            | 270           | 91            | 489           |
| Argentina        | 2019 | Men    | 0.19| 0.07        | 0.34        | 33170           | 12564       | 59893         | 203           | 89            | 323           |
| Argentina        | 2019 | Women  | 0.19| 0.06        | 0.36        | 31430           | 10181       | 60176         | 127           | 53            | 205           |
| Chile            | 2019 | Men    | 0.19| 0.08        | 0.34        | 11303           | 4330        | 20410         | 150           | 63            | 249           |
| Chile            | 2019 | Women  | 0.21| 0.07        | 0.38        | 10774           | 3703        | 20197         | 104           | 43            | 174           |
| Uruguay          | 2019 | Men    | 0.18| 0.07        | 0.33        | 3040            | 1127        | 5620          | 187           | 82            | 298           |
| Uruguay          | 2019 | Women  | 0.2  | 0.06        | 0.38        | 3279            | 984         | 6436          | 117           | 49            | 189           |
| Country          | Year | Sex  | Age  | Total | All  | 60   | 80   | 100  | 120  | 185  | 60   | 349  |
|------------------|------|------|------|-------|------|------|------|------|------|------|------|------|
| Antigua and Barbuda* | 2019 | Men  | 0.19 | 0.06  | 0.34 | 57   | 17   | 118  | 185  | 60   | 349  |
| Antigua and Barbuda | 2019 | Women| 0.23 | 0.08  | 0.41 | 66   | 21   | 129  | 178  | 66   | 308  |
| Bahamas*          | 2019 | Men  | 0.19 | 0.07  | 0.33 | 284  | 90   | 589  | 245  | 87   | 455  |
| Bahamas           | 2019 | Women| 0.23 | 0.09  | 0.39 | 261  | 84   | 534  | 181  | 68   | 326  |
| Barbados          | 2019 | Men  | 0.2  | 0.07  | 0.36 | 301  | 92   | 613  | 192  | 67   | 348  |
| Barbados          | 2019 | Women| 0.24 | 0.08  | 0.42 | 371  | 113  | 741  | 181  | 66   | 316  |
| Belize            | 2019 | Men  | 0.16 | 0.06  | 0.3  | 183  | 57   | 372  | 196  | 71   | 352  |
| Belize            | 2019 | Women| 0.23 | 0.09  | 0.4  | 161  | 57   | 306  | 174  | 74   | 290  |
| Cuba              | 2019 | Men  | 0.16 | 0.05  | 0.31 | 9393 | 2535 | 20817| 145  | 46   | 282  |
| Cuba              | 2019 | Women| 0.2  | 0.06  | 0.37 | 9558 | 2595 | 20708| 119  | 40   | 223  |
| Dominica          | 2019 | Men  | 0.18 | 0.06  | 0.31 | 67   | 19   | 140  | 220  | 73   | 411  |
| Dominica          | 2019 | Women| 0.23 | 0.08  | 0.4  | 73   | 22   | 150  | 202  | 75   | 357  |
| Dominican Republic| 2019 | Men  | 0.16 | 0.06  | 0.29 | 6020 | 1643 | 13378| 200  | 63   | 391  |
| Dominican Republic| 2019 | Women| 0.2  | 0.07  | 0.36 | 5342 | 1506 | 11549| 157  | 52   | 296  |
| Grenada*          | 2019 | Men  | 0.18 | 0.07  | 0.31 | 76   | 26   | 142  | 233  | 84   | 402  |
| Grenada           | 2019 | Women| 0.23 | 0.08  | 0.4  | 85   | 29   | 159  | 207  | 82   | 344  |
| Guyana*           | 2019 | Men  | 0.17 | 0.06  | 0.29 | 591  | 158  | 1276 | 313  | 95   | 610  |
| Guyana            | 2019 | Women| 0.22 | 0.09  | 0.37 | 589  | 185  | 1207 | 272  | 96   | 502  |
| Haiti*            | 2019 | Men  | 0.16 | 0.06  | 0.28 | 5545 | 1532 | 12490| 269  | 88   | 507  |
| Haiti             | 2019 | Women| 0.16 | 0.06  | 0.29 | 6091 | 1711 | 13787| 265  | 89   | 504  |
| Country                | Year | Gender | Age1 | Age2 | Age3 | Total 1 | Total 2 | Total 3 | Total 4 |
|------------------------|------|--------|------|------|------|---------|---------|---------|---------|
| Jamaica                | 2019 | Men    | 0.18 | 0.06 | 0.32 | 1747    | 500     | 3776    | 175     | 59      | 335    |
| Jamaica                | 2019 | Women  | 0.23 | 0.08 | 0.4  | 2083    | 587     | 4392    | 173     | 65      | 313    |
| Saint Lucia*           | 2019 | Men    | 0.22 | 0.07 | 0.39 | 171     | 49      | 345     | 251     | 81      | 458    |
| Saint Lucia            | 2019 | Women  | 0.24 | 0.07 | 0.43 | 141     | 38      | 291     | 167     | 56      | 300    |
| Saint Vincent and the Grenadines* | 2019 | Men    | 0.18 | 0.06 | 0.33 | 101     | 32      | 203     | 218     | 76      | 397    |
| Saint Vincent and the Grenadines | 2019 | Women  | 0.21 | 0.07 | 0.38 | 92      | 29      | 182     | 196     | 71      | 347    |
| Suriname*              | 2019 | Men    | 0.2  | 0.08 | 0.34 | 441     | 144     | 870     | 241     | 88      | 424    |
| Suriname               | 2019 | Women  | 0.23 | 0.09 | 0.39 | 417     | 138     | 803     | 184     | 71      | 312    |
| Trinidad and Tobago*   | 2019 | Men    | 0.19 | 0.06 | 0.34 | 1236    | 317     | 2791    | 208     | 58      | 426    |
| Trinidad and Tobago    | 2019 | Women  | 0.23 | 0.08 | 0.39 | 1145    | 312     | 2486    | 165     | 52      | 320    |
| Bolivia                | 2019 | Men    | 0.15 | 0.05 | 0.28 | 4938    | 1225    | 10940   | 184     | 50      | 367    |
| Bolivia                | 2019 | Women  | 0.19 | 0.06 | 0.33 | 5952    | 1782    | 12385   | 197     | 65      | 368    |
| Ecuador                | 2019 | Men    | 0.15 | 0.05 | 0.28 | 6787    | 1705    | 16252   | 140     | 40      | 297    |
| Ecuador                | 2019 | Women  | 0.18 | 0.06 | 0.33 | 6664    | 1754    | 15312   | 119     | 37      | 242    |
| Peru                   | 2019 | Men    | 0.14 | 0.04 | 0.28 | 10669   | 2523    | 26275   | 96      | 26      | 216    |
| Peru                   | 2019 | Women  | 0.17 | 0.05 | 0.32 | 10999   | 2762    | 26030   | 87      | 26      | 186    |
| Colombia               | 2019 | Men    | 0.16 | 0.05 | 0.29 | 19365   | 5442    | 44643   | 113     | 36      | 236    |
| Colombia               | 2019 | Women  | 0.18 | 0.06 | 0.33 | 19346   | 5482    | 43428   | 86      | 29      | 174    |
| Costa Rica             | 2019 | Men    | 0.17 | 0.06 | 0.31 | 2240    | 642     | 5111    | 135     | 45      | 273    |
| Country      | Year | Gender | People Under 18 | People 18-29 | People 30-49 | People 50+ |
|--------------|------|--------|-----------------|--------------|--------------|------------|
| Costa Rica   | 2019 | Women  | 0.18            | 0.06         | 0.35         | 1910       |
| El Salvador  | 2019 | Men    | 0.16            | 0.05         | 0.29         | 3381       |
| El Salvador  | 2019 | Women  | 0.2             | 0.07         | 0.36         | 3398       |
| Guatemala    | 2019 | Men    | 0.15            | 0.05         | 0.27         | 6624       |
| Guatemala    | 2019 | Women  | 0.19            | 0.07         | 0.33         | 6953       |
| Honduras     | 2019 | Men    | 0.17            | 0.07         | 0.29         | 4071       |
| Honduras     | 2019 | Women  | 0.19            | 0.08         | 0.32         | 4348       |
| Mexico       | 2019 | Men    | 0.19            | 0.07         | 0.33         | 73798      |
| Mexico       | 2019 | Women  | 0.21            | 0.08         | 0.37         | 65189      |
| Nicaragua    | 2019 | Men    | 0.18            | 0.07         | 0.31         | 2688       |
| Nicaragua    | 2019 | Women  | 0.21            | 0.08         | 0.35         | 2384       |
| Panama       | 2019 | Men    | 0.17            | 0.06         | 0.3          | 1706       |
| Panama       | 2019 | Women  | 0.19            | 0.06         | 0.34         | 1483       |
| Venezuela    | 2019 | Men    | 0.18            | 0.08         | 0.32         | 18596      |
| Venezuela    | 2019 | Women  | 0.18            | 0.07         | 0.33         | 13430      |
| Brazil       | 2019 | Men    | 0.16            | 0.06         | 0.28         | 114604     |
| Brazil       | 2019 | Women  | 0.19            | 0.07         | 0.34         | 110436     |
| Paraguay     | 2019 | Men    | 0.16            | 0.05         | 0.29         | 2859       |
| Paraguay     | 2019 | Women  | 0.17            | 0.06         | 0.32         | 2355       |
| Bermuda*     | 2019 | Men    | 0.23            | 0.08         | 0.41         | 76         |
| Bermuda      | 2019 | Women  | 0.23            | 0.06         | 0.44         | 57         |
| Puerto Rico  | 2019 | Men    | 0.22            | 0.08         | 0.38         | 3670       |
| Puerto Rico  | 2019 | Women  | 0.23            | 0.07         | 0.42         | 3559       |
| Saint Kitts and Nevis* | 2019 | Men   | 0.23 | 0.1 | 0.37 | 65 | 25 | 118 | 325 | 145 | 510 |
|-----------------------|------|-------|------|-----|------|----|----|-----|-----|-----|-----|
| Saint Kitts and Nevis | 2019 | Women | 0.26 | 0.1 | 0.43 | 51 | 18 | 98  | 229 | 99  | 370 |

*T2DM prevalence estimates for Antigua and Barbuda, Bahamas, Bermuda, Grenada, Guyana, Haiti, Saint Kitts and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Suriname and Trinidad and Tobago were modelled estimates.

Reference: NCD Risk Factor Collaboration (NCD-RisC). Worldwide trends in diabetes since 1980: a pooled analysis of 751 population-based studies with 4.4 million participants. Lancet. 2016 09;387(10027):1513–30.
Supplementary figure 1: Sensitivity analysis assuming a 10-year lag period | Percentage of deaths in 1990 attributable to 1980 type 2 diabetes mellitus (T2DM) prevalence by country and sex
Supplementary figure 2: Sensitivity analysis assuming a 10-year lag period | Percentage of deaths in 2019 attributable to 2009 type 2 diabetes mellitus (T2DM) prevalence by country and sex

Percentage of all-cause deaths in 2019 attributable to 2009 T2DM prevalence

Women

Men

10%  15%  20%
Supplementary figure 3: Sensitivity analysis assuming a 10-year lag period | Age-standardised type 2 diabetes mellitus (T2DM) attributable deaths per 100,000 people by country and year in men

Men

![Graph showing age-standardised type 2 diabetes mellitus (T2DM) attributable deaths per 100,000 people by country and year in men with 1990 and 2019 data points.](image-url)
Supplementary figure 4: Sensitivity analysis assuming a 10-year lag period | Age-standardised type 2 diabetes mellitus (T2DM) attributable deaths per 100,000 people by country and year in women.
Supplementary figure 5: Sensitivity analysis restricted for diagnosed diabetes only | Percentage of deaths in 1990 attributable to 1985 type 2 diabetes mellitus (T2DM) prevalence by country and sex

Percentage of all-cause deaths in 1990 attributable to 1985 T2DM prevalence

Women

Men
Supplementary figure 6: Sensitivity analysis restricted for diagnosed diabetes only | Percentage of deaths in 2019 attributable to 2014 type 2 diabetes mellitus (T2DM) prevalence by country and sex
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Supplementary figure 9: Correlations between the age-standardised T2DM-attributable death rates and economic metrics

**Economic Metrics**
- GDP per capita, 2019
- Variation in GDP per capita, 1990 vs 2019
- Variation in age-standardised T2DM-attributable deaths per 100,000 people, 2019
- Variation in age-standardised T2DM-attributable deaths per 100,000 people, 1990 vs 2019
- HDI, 2019
- Variation in HDI, 1990 vs 2019
- % of rural population, 2019
- Variation in the % of rural population, 1990 vs 2019

**Correlation Coefficients**
- $R = -0.14, p = 0.4$
- $R = -0.27, p = 0.1$
- $R = -0.63, p < 0.05$
- $R = -0.46, p < 0.05$
- $R = -0.26, p = 0.2$
- $R = 0.61, p < 0.05$
- $R = -0.17, p = 0.3$
- $R = 0.23, p = 0.2$

**Notes**
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