**Supplementary 1 Differences of the percentage of cases with fasting blood glucose more than 6.2 mmol/L in different groups every year**

Table S1 Differences of the percentage of cases with fasting blood glucose more than 6.2 mmol/L in different groups in 2010

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Groups (years) | Cases with glucose > 6.2mmol/l (%) | Statistics | P value |
| 2010 | 21~30 | 1.58 | - | - |
|  | 31~40 | 1.04 | Fisher exact probability | 0.4554 |
|  | 41~50 | 3.42 | |  | | --- | | χ2=1.8897 | | 0.1692 |
|  | 51~60 | 8.67 | χ2=11.8319 | 0.0006 |
|  | 61~70 | 16.46 | χ2=29.2602 | <0.0001 |
|  | 71~80 | 21.57 | χ2=41.2023 | <0.0001 |
|  | >80 | 28.24 | χ2=52.4297 | <0.0001 |

Table S2 Differences of the percentage of cases with fasting blood glucose more than 6.2 mmol/L in different groups in 2011

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Groups (years) | Cases with glucose > 6.2mmol/l (%) | Statistics | P value |
| 2011 | 21~30 | 1.05 | - | - |
|  | 31~40 | 1.77 | Fisher exact probability | 0.7665 |
|  | 41~50 | 4.01 | |  | | --- | | χ2=4.2302 | | 0.0397 |
|  | 51~60 | 9.85 | χ2=16.3075 | <0.0001 |
|  | 61~70 | 16.84 | χ2=32.488 | <0.0001 |
|  | 71~80 | 22.26 | χ2=45.5381 | <0.0001 |
|  | >80 | 27.65 | χ2=53.9672 | <0.0001 |

Table S3 Differences of the percentage of cases with fasting blood glucose more than 6.2 mmol/L in different groups in 2012

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Groups (years) | Cases with glucose > 6.2mmol/l (%) | Statistics | P value |
| 2012 | 21~30 | 1.05 | - | - |
|  | 31~40 | 1.46 | Fisher exact probability | 1.0000 |
|  | 41~50 | 4.08 | |  | | --- | | χ2=4.3594 | | 0.0368 |
|  | 51~60 | 10.06 | χ2=16.7784 | <0.0001 |
|  | 61~70 | 17.61 | χ2=34.4503 | <0.0001 |
|  | 71~80 | 21.74 | χ2=44.14 | <0.0001 |
|  | >80 | 28.24 | χ2=55.4316 | <0.0001 |

Table S4 Differences of the percentage of cases with fasting blood glucose more than 6.2 mmol/L in different groups in 2013

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Groups (years) | Cases with glucose > 6.2mmol/l (%) | Statistics | P value |
| 2013 | 21~30 | 1.05 | - | - |
|  | 31~40 | 2.13 | Fisher exact probability | 0.4258 |
|  | 41~50 | 5.66 | |  | | --- | | χ2=7.4499 | | 0.0063 |
|  | 51~60 | 12.72 | χ2=22.9067 | <0.0001 |
|  | 61~70 | 19.92 | χ2=40.5262 | <0.0001 |
|  | 71~80 | 27.3 | χ2=59.7762 | <0.0001 |
|  | >80 | 38.24 | χ2=81.8924 | <0.0001 |

Table S5 Differences of the percentage of cases with fasting blood glucose more than 6.2 mmol/L in different groups in 2014

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Groups (years) | Cases with glucose > 6.2mmol/l (%) | Statistics | P value |
| 2014 | 21~30 | 1.58 | - | - |
|  | 31~40 | 2.6 | Fisher exact probability | 0.6234 |
|  | 41~50 | 6.36 | |  | | --- | | χ2=7.1449 | | 0.0075 |
|  | 51~60 | 12.76 | χ2=20.9252 | <0.0001 |
|  | 61~70 | 22.81 | χ2=46.0758 | <0.0001 |
|  | 71~80 | 27.3 | χ2=57.1389 | <0.0001 |
|  | >80 | 36.47 | χ2=73.8265 | <0.0001 |

Table S6 Differences of the percentage of cases with fasting blood glucose more than 6.2 mmol/L in different groups in 2015

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Groups (years) | Cases with glucose > 6.2mmol/l (%) | Statistics | P value |
| 2015 | 21~30 | 2.11 | - | - |
|  | 31~40 | 2.44 | Fisher exact probability | 1 |
|  | 41~50 | 6.29 | |  | | --- | | χ2=5.5023 | | 0.019 |
|  | 51~60 | 14.06 | χ2=21.9876 | <0.0001 |
|  | 61~70 | 24.25 | χ2=47.7826 | <0.0001 |
|  | 71~80 | 29.22 | χ2=60.232 | <0.0001 |
|  | >80 | 38.24 | χ2=75.5961 | <0.0001 |

Table S7 Differences of the percentage of cases with fasting blood glucose more than 6.2 mmol/L in different groups in 2016

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Groups (years) | Cases with glucose > 6.2mmol/l (%) | Statistics | P value |
| 2016 | 21~30 | 1.58 | - | - |
|  | 31~40 | 2.18 | Fisher exact probability | 0.7932 |
|  | 41~50 | 5.94 | |  | | --- | | χ2=6.3411 | | 0.0118 |
|  | 51~60 | 12.67 | χ2=20.7283 | <0.0001 |
|  | 61~70 | 21.66 | χ2=42.8477 | <0.0001 |
|  | 71~80 | 27.83 | χ2=58.6763 | <0.0001 |
|  | >80 | 32.35 | χ2=62.8692 | <0.0001 |