Table S3. Characteristics between subjects who had medical check-up data and those who had not

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| 　 | **Medical check-up data** |
| 　 | **Absent** | **Present** | **p-value1** |
| Total N | 525,730 (74.3) | 181,933 (25.7) |  |
| Age (y)2 | 41.03 ± 15.1 | 43.63 ±13.5 | <0.001 |
| Sex |  |  |  |
|  Male | 239,391 (45.5) | 108,020 (59.4) | <0.001 |
|  Female | 286,339 (54.5) | 73,913 (40.6) |  |
| Comorbidities |  |  |  |
|  Diabetes mellitus | 16,313 (3.1) | 6,631 (3.6) | <0.001 |
|  Inflammatory bowel disease | 249 (0.0) | 112 (0.1) | 0.021 |
| Cholecystectomy | 8,124 (1.55) | 3,238 (1.78) | <0.001 |
| Appendectomy | 11,734 (2.23) | 4,360 (2.40) | <0.001 |

Values are presented as number (%) or mean±standard deviation.

1The chi-square test for categorical value and the *t*-test for continuous value.

2Age at study entry