## Supplementary Table S1. Participant characteristics in the low and high complexity groups

|  | Low complexity group |  |  |  | High complexity group |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 |
| Number of participants | 106 | 58 | 70 | 71 | 16 | 11 | 10 | 13 |
|  | No. (\%) | No. <br> (\%) | No. (\%) | No. <br> (\%) | No. (\%) | No. (\%) | No. (\%) | No. (\%) |
| Age-group |  |  |  |  |  |  |  |  |
| <60 years | $\begin{aligned} & \hline 41 \\ & (38.7) \end{aligned}$ | $\begin{aligned} & \hline 14 \\ & (24.1) \end{aligned}$ | $\begin{aligned} & \hline 20 \\ & (28.6) \end{aligned}$ | $\begin{aligned} & 17 \\ & (23.9) \end{aligned}$ | $\begin{aligned} & \hline 7 \\ & (43.8) \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (27.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (30.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (23.1) \\ & \hline \end{aligned}$ |
| 60-79years | $\begin{aligned} & 50 \\ & (47.2) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 37 \\ & (63.8) \end{aligned}$ | $\begin{aligned} & 32 \\ & (45.7) \end{aligned}$ | $\begin{aligned} & 39 \\ & (54.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & 5 \\ & (31.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & 7 \\ & (63.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & 6 \\ & (60.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 7 \\ & (53.9) \end{aligned}$ |
| $\geq 80$ years | $\begin{aligned} & 15 \\ & (14.2) \end{aligned}$ | $\begin{aligned} & \hline 7 \\ & (12.1) \end{aligned}$ | $\begin{aligned} & \hline 18 \\ & (25.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & 15 \\ & (21.1) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4 \\ & (25.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & (9.1) \end{aligned}$ | $\begin{aligned} & 1 \\ & (10.0) \end{aligned}$ | $\begin{aligned} & 3 \\ & (23.1) \end{aligned}$ |
| Sex |  |  |  |  |  |  |  |  |
| Female | $\begin{aligned} & \hline 58 \\ & (54.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 29 \\ & (50.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 30 \\ & (42.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & 24 \\ & (33.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & (50.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4 \\ & (36.4) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 5 \\ & (50.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 5 \\ & (38.5) \\ & \hline \end{aligned}$ |
| Male | $\begin{aligned} & 48 \\ & (45.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & 29 \\ & (50.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 40 \\ & (57.1) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 47 \\ & (66.2) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & (50.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 7 \\ & (63.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 5 \\ & (50.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & (61.5) \\ & \hline \end{aligned}$ |
| Marital status |  |  |  |  |  |  |  |  |
| Married | $\begin{aligned} & \hline 88 \\ & (83.0) \end{aligned}$ | $\begin{aligned} & 44 \\ & (75.9) \end{aligned}$ | $\begin{aligned} & 45 \\ & (64.3) \end{aligned}$ | $\begin{aligned} & \hline 46 \\ & (64.8) \end{aligned}$ | $\begin{aligned} & 5 \\ & (31.3) \end{aligned}$ | $\begin{aligned} & \hline 7 \\ & (63.6) \end{aligned}$ | $\begin{aligned} & 7 \\ & (70.0) \end{aligned}$ | $\begin{aligned} & \hline 4 \\ & (30.8) \\ & \hline \end{aligned}$ |
| Single | $\begin{aligned} & 7 \\ & (6.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & 5 \\ & (8.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4 \\ & (5.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & 6 \\ & (8.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2 \\ & (12.5) \end{aligned}$ | $\begin{aligned} & 2 \\ & (18.2) \end{aligned}$ | $\begin{aligned} & 1 \\ & (10.0) \end{aligned}$ | $\begin{aligned} & 1 \\ & (7.7) \end{aligned}$ |
| Divorced or widowed | $\begin{aligned} & 11 \\ & (10.4) \end{aligned}$ | $\begin{aligned} & 9 \\ & (15.5) \end{aligned}$ | $\begin{aligned} & 21 \\ & (30.0) \end{aligned}$ | $\begin{aligned} & 19 \\ & (26.8) \end{aligned}$ | $\begin{aligned} & 9 \\ & (56.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 2 \\ & (18.2) \end{aligned}$ | $\begin{aligned} & 2 \\ & (20.0) \end{aligned}$ | $\begin{aligned} & 8 \\ & (61.5) \\ & \hline \end{aligned}$ |
| Living status |  |  |  |  |  |  |  |  |
| Not living alone | $\begin{aligned} & \hline 95 \\ & (89.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 51 \\ & (87.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 59 \\ & (84.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 52 \\ & (73.2) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 9 \\ & (56.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 10 \\ & (90.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & (80.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 5 \\ & (38.5) \\ & \hline \end{aligned}$ |
| Living alone | $\begin{aligned} & \hline 11 \\ & (10.4) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 7 \\ & (12.1) \end{aligned}$ | $\begin{aligned} & \hline 11 \\ & (15.7) \end{aligned}$ | $\begin{aligned} & \hline 19 \\ & (26.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 7 \\ & (43.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & (9.1) \end{aligned}$ | $\begin{aligned} & \hline 2 \\ & (20.0) \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & (61.5) \\ & \hline \end{aligned}$ |
| Education ${ }_{\text {l }}$ |  |  |  |  |  |  |  |  |
| Elementary or junior high school | $\begin{aligned} & \hline 44 \\ & (41.5) \end{aligned}$ | $\begin{aligned} & \hline 26 \\ & (44.8) \end{aligned}$ | $\begin{aligned} & 44 \\ & (62.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & 43 \\ & (60.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & 9 \\ & (56.3) \end{aligned}$ | $\begin{aligned} & 6 \\ & (54.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & (80.0) \end{aligned}$ | $\begin{aligned} & \hline 7 \\ & (53.9) \end{aligned}$ |
| High school or junior high school under the old system | $\begin{aligned} & 37 \\ & (34.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & 23 \\ & (40.0) \end{aligned}$ | $\begin{aligned} & 18 \\ & (25.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & 22 \\ & (31.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 5 \\ & (31.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4 \\ & (36.4) \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & (10.0) \end{aligned}$ | $\begin{aligned} & 5 \\ & (38.5) \\ & \hline \end{aligned}$ |
| Vocational school, junior college, technical school, university, college, graduate school, or other | $\begin{aligned} & 25 \\ & (23.6) \end{aligned}$ | $\begin{aligned} & 9 \\ & (15.5) \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & (11.4) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 6 \\ & (8.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 2 \\ & (12.5) \end{aligned}$ | $\begin{aligned} & 1 \\ & (9.1) \end{aligned}$ | $\begin{aligned} & 1 \\ & (10.0) \end{aligned}$ | $\begin{aligned} & 1 \\ & (7.7) \end{aligned}$ |
| Work status |  |  |  |  |  |  |  |  |
| Working | $\begin{aligned} & \hline 101 \\ & (95.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 54 \\ & (93.1) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 63 \\ & (90.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 57 \\ & (80.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 10 \\ & (62.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 8 \\ & (72.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & 7 \\ & (70.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 7 \\ & (53.9) \\ & \hline \end{aligned}$ |
| Not working | $\begin{aligned} & \hline 5 \\ & (4.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4 \\ & (6.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 7 \\ & (10.0) \end{aligned}$ | $\begin{aligned} & \hline 14 \\ & (19.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 6 \\ & (37.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (27.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (30.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 6 \\ & (46.2) \\ & \hline \end{aligned}$ |


| Public assistance |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Not receiving | $\begin{aligned} & \hline 106 \\ & (100.0) \end{aligned}$ | $\begin{aligned} & \hline 58 \\ & (100.0) \end{aligned}$ | $\begin{aligned} & \hline 70 \\ & (100.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 68 \\ & (95.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 13 \\ & (81.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & 10 \\ & (90.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 9 \\ & (90.0) \end{aligned}$ | $\begin{aligned} & \hline 11 \\ & (84.6) \\ & \hline \end{aligned}$ |
| Receiving | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 0 \\ (0.0) \\ \hline \end{array}$ | $\begin{aligned} & \hline 3 \\ & (4.2) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (18.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 1 \\ & (9.1) \end{aligned}$ | $\begin{aligned} & \hline 1 \\ & (10.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2 \\ & (15.4) \end{aligned}$ |
| Physical activity |  |  |  |  |  |  |  |  |
| Exercising | $\begin{aligned} & 19 \\ & (17.9) \end{aligned}$ | $\begin{aligned} & \hline 10 \\ & (17.2) \end{aligned}$ | $\begin{array}{\|l\|} \hline 7 \\ (10.0) \\ \hline \end{array}$ | $\begin{aligned} & 15 \\ & (21.1) \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 1 \\ & (9.1) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 1 \\ & (10.0) \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ |
| Not exercising | $\begin{aligned} & 87 \\ & (82.1) \end{aligned}$ | $\begin{aligned} & 48 \\ & (82.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & 63 \\ & (90.0) \end{aligned}$ | $\begin{aligned} & \hline 56 \\ & (78.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & 16 \\ & (100.0) \end{aligned}$ | $\begin{aligned} & 10 \\ & (90.9) \end{aligned}$ | $\begin{aligned} & 9 \\ & (90.0) \end{aligned}$ | $\begin{aligned} & 13 \\ & (100.0) \end{aligned}$ |
| Smoking status |  |  |  |  |  |  |  |  |
| Ex-smoker/never smoker | $\begin{aligned} & \hline 98 \\ & (92.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 54 \\ & (93.1) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 59 \\ & (84.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 57 \\ & (80.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 12 \\ & (75.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 9 \\ & (81.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 7 \\ & (70.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 9 \\ & (69.2) \\ & \hline \end{aligned}$ |
| Current smoker | $\begin{aligned} & \hline 8 \\ & (7.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4 \\ & (6.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 11 \\ & (15.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & 14 \\ & (19.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4 \\ & (25.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 2 \\ & (18.2) \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (30.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4 \\ & (30.8) \\ & \hline \end{aligned}$ |
| Alcohol intake |  |  |  |  |  |  |  |  |
| No problematic drinking | $\begin{aligned} & 79 \\ & (74.5) \end{aligned}$ | $\begin{aligned} & \hline 37 \\ & (63.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & 48 \\ & (68.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 45 \\ & (63.4) \\ & \hline \end{aligned}$ | $\begin{aligned} & 12 \\ & (75.0) \end{aligned}$ | $\begin{aligned} & 7 \\ & (63.6) \end{aligned}$ | $\begin{aligned} & \hline 7 \\ & (70.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 9 \\ & (69.2) \end{aligned}$ |
| Problematic drinking | $\begin{aligned} & 27 \\ & (25.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 21 \\ & (36.2) \end{aligned}$ | $\begin{array}{\|l\|} \hline 22 \\ (31.4) \\ \hline \end{array}$ | $\begin{aligned} & \hline 26 \\ & (36.2) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4 \\ & (25.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4 \\ & (36.4) \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (30.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4 \\ & (30.8) \end{aligned}$ |
| ICPC-2 |  |  |  |  |  |  |  |  |
| General and unspecified | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 0 \\ (0.0) \\ \hline \end{array}$ | $\begin{aligned} & \hline 1 \\ & (1.4) \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ |
| Blood, blood forming organs and immune mechanism | $\begin{aligned} & \hline 3 \\ & (2.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (5.2) \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 1 \\ (1.4) \\ \hline \end{array}$ | $\begin{aligned} & 1 \\ & (1.4) \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 1 \\ & (10.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 1 \\ & (7.7) \\ & \hline \end{aligned}$ |
| Digestive | $\begin{aligned} & \hline 21 \\ & (19.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & 14 \\ & (24.1) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 11 \\ & (15.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & 16 \\ & (22.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 1 \\ & (6.3) \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (27.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (30.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 6 \\ & (46.2) \end{aligned}$ |
| Eye | $\begin{aligned} & \hline 6 \\ & (5.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 2 \\ & (3.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & 11 \\ & (15.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 7 \\ & (9.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2 \\ & (12.5) \end{aligned}$ | $\begin{aligned} & \hline 2 \\ & (18.2) \end{aligned}$ | $\begin{aligned} & \hline 2 \\ & (20.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (23.1) \end{aligned}$ |
| Ear | $\begin{aligned} & \hline 1 \\ & (0.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4 \\ & (6.9) \\ & \hline \end{aligned}$ | $\begin{array}{\|l\|} \hline 4 \\ (5.7) \\ \hline \end{array}$ | $\begin{aligned} & 5 \\ & (7.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 1 \\ & (9.1) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 1 \\ & (10.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ |
| Cardiovascular | $\begin{aligned} & \hline 76 \\ & (71.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 49 \\ & (84.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 57 \\ & (81.4) \\ & \hline \end{aligned}$ | $\begin{aligned} & 55 \\ & (77.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 15 \\ & (93.8) \end{aligned}$ | $\begin{aligned} & 10 \\ & (90.9) \end{aligned}$ | $\begin{aligned} & 10 \\ & (100.0) \end{aligned}$ | $\begin{aligned} & 9 \\ & (69.2) \end{aligned}$ |
| Musculoskeletal | $\begin{aligned} & 29 \\ & (27.4) \end{aligned}$ | $\begin{aligned} & 19 \\ & (32.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 29 \\ & (41.4) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 20 \\ & (28.2) \end{aligned}$ | $\begin{aligned} & 7 \\ & (43.8) \end{aligned}$ | $\begin{aligned} & 2 \\ & (18.2) \end{aligned}$ | $\begin{aligned} & \hline 5 \\ & (50.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4 \\ & (30.8) \end{aligned}$ |
| Neurological | $\begin{aligned} & 8 \\ & (7.6) \end{aligned}$ | $\begin{aligned} & 6 \\ & (10.3) \end{aligned}$ | $\begin{aligned} & 22 \\ & (31.4) \end{aligned}$ | $\begin{aligned} & 18 \\ & (25.4) \end{aligned}$ | $\begin{aligned} & 8 \\ & (50.0) \end{aligned}$ | $\begin{aligned} & 5 \\ & (45.5) \end{aligned}$ | $\begin{aligned} & 4 \\ & (40.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2 \\ & (15.4) \end{aligned}$ |
| Psychological | $\begin{aligned} & \hline 5 \\ & (4.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & 3 \\ & (5.2) \end{aligned}$ | $\begin{array}{\|l} \hline 5 \\ (7.1) \\ \hline \end{array}$ | $\begin{aligned} & 14 \\ & (19.7) \end{aligned}$ | $\begin{aligned} & 3 \\ & (18.8) \end{aligned}$ | $\begin{aligned} & 2 \\ & (18.2) \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (30.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 8 \\ & (61.5) \\ & \hline \end{aligned}$ |
| Respiratory | $\begin{aligned} & \hline 7 \\ & (6.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2 \\ & (3.5) \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline 5 \\ (7.1) \\ \hline \end{array}$ | $\begin{aligned} & \hline 7 \\ & (9.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 3 \\ & (18.8) \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & (9.1) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2 \\ & (20.0) \end{aligned}$ | $\begin{aligned} & 1 \\ & (7.7) \\ & \hline \end{aligned}$ |
| Skin | $\begin{aligned} & 6 \\ & (5.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & (1.7) \end{aligned}$ | $\begin{array}{\|l\|} \hline 4 \\ (5.7) \\ \hline \end{array}$ | $\begin{aligned} & 5 \\ & (7.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2 \\ & (12.5) \end{aligned}$ | $\begin{aligned} & 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & (0.0) \\ & \hline \end{aligned}$ |


| Endocrine/metabolic and nutritional | $\begin{aligned} & \hline 62 \\ & (58.5) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 42 \\ & (72.4) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 51 \\ & (72.9) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 54 \\ & (76.1) \\ & \hline \end{aligned}$ | $\begin{aligned} & 9 \\ & (56.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & 11 \\ & (100.0) \end{aligned}$ | $\begin{aligned} & 9 \\ & (90.0) \end{aligned}$ | $\begin{aligned} & 10 \\ & (76.9) \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Urological | $\begin{aligned} & 12 \\ & (11.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & (1.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4 \\ & (5.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & 4 \\ & (5.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & (6.3) \\ & \hline \end{aligned}$ | $\begin{aligned} & 1 \\ & (9.1) \\ & \hline \end{aligned}$ | $\begin{aligned} & 2 \\ & (20.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & 0 \\ & (0.0) \\ & \hline \end{aligned}$ |
| Pregnancy, childbearing, family planning | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ |
| Genital (female genital and male genital) | $\begin{aligned} & \hline 6 \\ & (5.7) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 4 \\ & (6.9) \end{aligned}$ | $\begin{aligned} & \hline 6 \\ & (8.6) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 5 \\ & (7.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 1 \\ & (6.3) \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 2 \\ & (20.0) \end{aligned}$ | $\begin{aligned} & 1 \\ & (7.7) \\ & \hline \end{aligned}$ |
| Social problems | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ | $\begin{aligned} & \hline 0 \\ & (0.0) \\ & \hline \end{aligned}$ |

We designated the low complexity 1 , low complexity 2 , low complexity 3 , and low complexity 4 groups as $\leq 17,>17$ and $\leq 19,>19$ and $\leq 22$, and $>22$ and $\leq 27$ of the Patient Centered Assessment Method (PCAM) total scores, respectively. We designated the high complexity 1 , high complexity 2, high complexity 3 , and high complexity 4 groups as $>27$ and $\leq 29,>29$ and $\leq 31,>31$ and $\leq 33$, and $>33$ of the PCAM total scores, respectively. ICPC-2, International Classification of Primary Care, 2nd edition.


PCAM health and well-being domain scores


PCAM health and well-being domain scores
Figure S1. Healthcare costs per person per year/visit and PCAM health and well-being domain scores. PCAM, Patient Centered Assessment Method.


Figure S2. Healthcare costs per person per year/visit and PCAM social environment domain scores. PCAM, Patient Centered Assessment Method.


PCAM health literacy and communication domain scores


Figure S3. Healthcare costs per person per year/visit and PCAM health literacy and communication domain scores.
PCAM, Patient Centered Assessment Method.



PCAM service coordination domain scores
Figure S4. Healthcare costs per person per year/visit and service coordination domain scores. PCAM, Patient Centered Assessment Method.

