Supplemental Table: Univariate Regression Models to estimate the incremental (for continuous) or average (for categorical) difference in each SF-36 Domain by demographic (A), HIV-associated (B), or physical function/activity (C) variables.

1. Demographics

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model outcome (SF-36 Domain):** | **Age**  **(per 1 year)** | | **Female Gender** | | **Ethnicity**  **(Hispanic)** | | **Race**  **(non-Caucasian)** | | **Current Tobacco Use** | |
| **Intercept** | **slope** | **Intercept** | **slope** | **Intercept** | **slope** | **Intercept** | **slope** | **Intercept** | **slope** |
| **Physical Function** | 51.0  (38.4, 63.7) | -0.1  (-0.3, 0.1) | 46.2  (44.9, 47.6) | -3.3  (-6.7, 0.2) | 47.8  (46.3, 49.3) | -6.1  (-8.6, -3.5) | 46.2  (44.8, 47.5) | -2.4  (-5.6, 0.8) | 45.7  (44.3, 47.2) | -0.07  (-2.9, 2.8) |
| **Role Physical** | 45.9  (33.1, 58.7) | -0.00  (-0.3, 0.2) | 45.5  (44.1, 46.9) | 0.8  (-2.7, 4.3) | 46.6  (45.1, 48.2) | -2.9  (-5.5, -0.2) | 46.1  (44.7, 47.5) | -2.6  (-5.9, 0.7) | 45.6  (44.1, 47.1) | 0.2  (-2.7, 3.0) |
| **Bodily Pain** | 44.9  (32.4, 57.5) | 0.03  (-0.2, 0.3) | 46.8  (45.5, 48.2) | -1.6  (-5.1, 1.8) | 47.6  (46.1, 49.2) | -3.1  (-5.7, -0.5) | 46.9  (45.5, 48.3) | -1.8  (-5.0, 1.4) | 46.3  (44.9, 47.8) | 1.0  (-1.9, 3.8) |
| **General Health** | 48.3  (36.3, 60.3) | -0.1  (-0.3, 0.2) | 45.8  (44.5, 47.0) | -0.5  (-3.8, 2.8) | 47.2  (45.8, 48.6) | -4.4  (-6.9, -2.0) | 45.9  (44.6, 47.2) | -1.1  (-4.1, 2.0) | 45.1  (43.7, 46.4) | 2.4  (-0.3, 5.1) |
| **Vitality** | 42.9  (30.9, 55.0) | 0.1  (-0.1, 0.3) | 48.2  (46.9, 49.5) | -0.8  (-4.1, 2.6) | 49.4  (48.0, 50.9) | -3.9  (-6.4, -1.4) | 48.2  (46.9, 49.5) | -0.7  (-3.8, 2.4) | 47.3  (46.0, 48.7) | 2.9  (0.2, 5.6) |
| **Social Function** | 35.9  (23.0, 48.8) | 0.2  (-0.08, 0.4) | 44.8  (43.5, 46.2) | -0.97  (-4.5, 2.6) | 46.3  (44.7, 47.8) | -4.6  (-7.3, -2.0) | 45.2  (43.8, 46.6) | -3.0  (-6.3, 0.3) | 44.8  (43.3, 46.2) | -0.2  (-3.1, 2.7) |
| **Role Emotional** | 41.7  (27.9, 55.6) | 0.06  (-0.2, 0.3) | 44.9  (43.4, 46.4) | -0.9  (-4.7, 2.9) | 45.5  (43.9, 47.2) | -2.2  (-5.1, 0.7) | 45.5  (44.0, 47.0) | -3.9  (-7.4, -0.4) | 45.0  (43.4, 46.6) | -0.7  (-3.8, 2.4) |
| **Mental Health** | 38.8  (26.3, 51.3) | 0.2  (-0.1, 0.4) | 46.7  (45.4, 48.0) | -2.1  (-5.6, 1.3) | 48.1  (46.6, 49.6) | -5.0  (-7.6, -2.5) | 46.6  (45.3, 48.0) | -1.5  (-4.7, 1.7) | 46.1  (44.6, 47.5) | 1.1  (-1.7, 3.9) |

1. HIV-Related Variables

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model outcome (SF-36 Domain):** | **Nadir CD4 Count**  **(per 100 cells/µL)** | | **CD4 Count**  **(per 100 cells/µL)** | | **HIV Diagnosis prior to 1996** | | **Veterans Aging Cohort Index Scores (per 10 pt)** | |
| **Intercept** | **slope** | **Intercept** | **slope** | **Intercept** | **slope** | **Intercept** | **slope** |
| **Physical Function** | 44.6  (42.7, 46.3) | 0.7  (-0.1, 1.4) | 43.6  (40.8, 46.3) | 0.4  (-0.05, 0.8) | 46.3  (44.5, 48.2) | -1.2  (-3.7, 1.4) | 48.3  (46.3, 50.3) | -1.4  (-2.3, -0.6) |
| **Role Physical** | 44.8  (42.9, 46.6) | 0.5  (-0.4, 1.3) | 43.8  (41.0, 46.6) | 0.3  (-0.1, 0.7) | 46.7  (44.8, 48.5) | -1.9  (-4.5, 0.6) | 47.5  (45.4, 49.5) | -1.0  (-1.9, -0.1) |
| **Bodily Pain** | 46.0  (44.2, 47.8) | 0.3  (-0.5, 1.1) | 47.2  (44.5, 49.9) | -0.1  (-0.5, 0.3) | 47.5  (45.7, 49.3) | -1.7  (-4.2, 0.8) | 47.3  (45.3, 49.3) | -0.4  (-1.2, 0.5) |
| **General Health** | 44.1  (42.4, 45.8) | 0.9  (0.2, 1.7) | 41.7  (39.1, 44.3) | 0.7  (0.3, 1.1) | 46.7  (44.9, 48.4) | -1.8  (-4.2, 0.6) | 47.9  (46.0, 49.8) | -1.2  (-2.0, -0.4) |
| **Vitality** | 46.8  (45.1, 48.5) | 0.7  (-0.01, 1.5) | 46.8  (44.2, 49.4) | 0.2  (-0.2, 0.6) | 49.1  (47.4, 50.9) | -1.9  (-4.3, 0.4) | 48.6  (46.7, 50.5) | -0.3  (-1.1, 0.5) |
| **Social Function** | 44.2  (42.3, 46.0) | 0.3  (-0.6, 1.1) | 42.6  (39.8, 45.4) | 0.4  (-0.07, 0.8) | 44.7  (42.8, 46.6) | -0.00  (-2.6, 2.6) | 45.7  (43.6, 47.7) | -0.5  (-1.4, 0.4) |
| **Role Emotional** | 44.0  (42.0, 46.0) | 0.5  (-0.3, 1.4) | 42.8  (39.8, 45.8) | 0.3  (-0.1, 0.8) | 45.5  (43.5, 47.5) | -1.4  (-4.1, 1.4) | 46.3  (44.2, 48.5) | -0.8  (-1.8, 0.1) |
| **Mental Health** | 45.7  (43.9, 47.5) | 0.4  (-0.4, 1.2) | 44.3  (41.6, 47.0) | 0.3  (-0.06, 0.8) | 46.8  (45.0, 48.6) | -0.84  (-3.32, 1.63) | 47.1  (45.1, 49.1) | -0.4  (-1.2, 0.5) |

1. Physical Function, Activity, and Body Composition

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M**odel outcome**  **(SF-36 Domain):** | **Grip Strength**  **(per 1kg)** | | **Chair Rise Pace**  **(per 1 rise/sec)** | | **400-m walk pace**  **(per 1 m/sec)** | | **Physical Activity**  **(>500 kCal/wk)** | | **Body Mass Index**  **(per 1 kg/m2)** | |
| **Intercept** | **slope** | **Intercept** | **slope** | **Intercept** | **slope** | **Intercept** | **slope** | **Intercept** | **slope** |
| **Physical Functioning** | 33.6  (28.3, 38.9) | 0.3  (0.2, 0.4) | 29.7  (26.5, 32.8) | 31.1  (25.4, 36.9) | 19.9  (15.8, 24.1) | 18.0  (15.2, 20.9) | 39.8  (37.6, 41.9) | 8.5  (6.0, 11.1) | 55.0  (49.5, 60.5) | -0.4  (-0.6, -0.2) |
| **Role Physical** | 38.7  (33.2, 44.1) | 0.2  (0.04, 0.3) | 33.8  (30.4, 37.2) | 22.9  (16.7, 29.2) | 25.9  (21.2, 30.7) | 13.7  (10.5, 16.9) | 39.5  (37.4, 41.7) | 8.8  (6.2, 11.4) | 54.0  (48.4, 59.6) | -0.3  (-0.5, -0.1) |
| **Bodily Pain** | 43.5  (38.1, 48.9) | 0.08  (-0.06, 0.2) | 37.2  (33.8, 40.6) | 18.2  (11.9, 24.5) | 31.6  (26.9, 36.3) | 10.5  (7.3, 13.6) | 42.7  (40.5, 44.9) | 5.6  (3.0, 8.3) | 56.8  (51.4, 62.2) | -0.4  (-0.6, -0.2) |
| **General Health** | 35.2  (30.2, 40.2) | 0.3  (0.1, 0.4) | 34.6  (31.4, 37.8) | 21.6  (15.7, 27.4) | 27.3  (23.0, 31.6) | 12.9  (10.0, 15.8) | 39.9  (37.9, 42.5) | 8.2  (5.8, 10.7) | 50.6  (45.3, 55.9) | -0.2  (-0.4, 0.01) |
| **Vitality** | 39.5  (34.4, 44.6) | 0.2  (0.09, 0.4) | 37.1  (33.9, 40.3) | 21.3  (15.5, 27.2) | 32.8  (28.4, 37.3) | 10.7  (7.6, 13.7) | 42.1  (40.1, 44.2) | 8.5  (6.1, 11.0) | 53.2  (47.9, 58.5) | -0.2  (-0.4, 0.00) |
| **Social Functioning** | 36.7  (31.3, 42.2) | 0.2  (0.07, 0.3) | 33.4  (29.9, 36.8) | 22.0  (15.7, 28.4) | 30.3  (25.4, 35.2) | 10.1  (6.8, 13.4) | 39.5  (37.3, 41.8) | 7.4  (4.7, 10.1) | 51.9  (46.2, 57.5) | -0.3  (-0.5, -0.06) |
| **Role Emotional** | 32.0  (26.2, 37.8) | 0.3  (0.2, 0.5) | 33.0  (29.3, 36.7) | 22.9  (16.0, 29.7) | 27.2  (22.1, 32.4) | 12.3  (8.8, 15.7) | 40.6  (38.1, 43.0) | 6.0  (3.1, 8.9) | 51.1  (45.0, 57.2) | -0.2  (-0.5, -0.02) |
| **Mental Health** | 35.2  (29.9, 40.4) | 0.3  (0.2, 0.4) | 38.9  (35.5, 42.4) | 14.4  (8.1, 20.8) | 34.0  (29.2, 38.8) | 8.7  (5.4, 11.9) | 41.57  (39.40, 43.74) | 6.86  (4.27, 9.45) | 47.3  (41.8, 52.9) | -0.04  (-0.2, 0.2) |