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) |