Supplementary Table 1a. Summary of multivariate model for baseline lean muscle mass (ASMI) in female participants

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Standard error** | **95% Confidence interval** | | **Standardized Estimate** | **df** | **Minimum** | **Maximum** | **t** | **Pr > |t|** |
| **Intercept\*** | 9.3740 | 1.9856 | 5.4823 | 13.2657 |  | 174543 | 8.9773 | 9.7147 | 4.72 | <.0001\* |
| **Age\*** | -0.0617 | 0.0244 | -0.1095 | -0.0138 | -0.2873 | 611984 | -0.0646 | -0.0590 | -2.53 | 0.0116\* |
| **CIRS** | 0.0291 | 0.0436 | -0.0564 | 0.1147 | 0.0844 | 941210 | 0.0260 | 0.0356 | 0.67 | 0.5043 |
| **MDD age of onset** | -0.2065 | 0.3333 | -0.8598 | 0.4467 | -0.0653 | 249509 | -0.2785 | -0.1569 | -0.62 | 0.5355 |
| **Diabetes** | 0.4311 | 0.5440 | -0.6352 | 1.4973 | 0.0940 | 337761 | 0.3569 | 0.5235 | 0.79 | 0.4281 |
| **Hypertension** | 0.1942 | 0.3187 | -0.4304 | 0.8188 | 0.0676 | 664487 | 0.1480 | 0.2315 | 0.61 | 0.5422 |
| **Hyperlipidemia** | -0.3240 | 0.3472 | -1.0045 | 0.3565 | -0.1120 | 61615 | -0.4001 | -0.2341 | -0.93 | 0.3507 |
| **Cardiovascular disease** | -0.4653 | 0.5043 | -1.4537 | 0.5231 | -0.1090 | 969374 | -0.5219 | -0.4030 | -0.92 | 0.3562 |
| **Previously married** | -0.6392 | 0.5120 | -1.6426 | 0.3643 | -0.2225 | 623029 | -0.7024 | -0.5840 | -1.25 | 0.2119 |
| **Currently married** | -0.7452 | 0.5402 | -1.8041 | 0.3136 | -0.2520 | 595540 | -0.8211 | -0.6799 | -1.38 | 0.1677 |
| **Baseline HDRS-17 score, total** | 0.0558 | 0.0355 | -0.0139 | 0.1255 | 0.1698 | 23435 | 0.0431 | 0.0673 | 1.57 | 0.1164 |
| **Total cholesterol, medium** | 0.1312 | 0.4303 | -0.7124 | 0.9748 | 0.0442 | 5959 | -0.0624 | 0.3244 | 0.30 | 0.7605 |
| **Total cholesterol, high** | -0.1800 | 0.7180 | -1.5873 | 1.2272 | -0.0430 | 122921 | -0.3304 | -0.0346 | -0.25 | 0.802 |
| **HDL cholesterol** | -0.3014 | 0.4863 | -1.2546 | 0.6519 | -0.0688 | 50325 | -0.4108 | -0.1353 | -0.62 | 0.5355 |
| **LDL cholesterol, medium** | -0.4290 | 0.4288 | -1.2696 | 0.4117 | -0.1482 | 6813.2 | -0.6005 | -0.2504 | -1.00 | 0.3172 |
| **LDL cholesterol, high** | -0.2881 | 0.8466 | -1.9474 | 1.3712 | -0.0622 | 21394 | -0.5577 | -0.0671 | -0.34 | 0.7336 |
| **Blood glucose, medium** | 0.5781 | 0.3205 | -0.0502 | 1.2063 | 0.1905 | 37166 | 0.4850 | 0.6441 | 1.80 | 0.0713 |
| **Blood glucose, high** | 0.4523 | 0.5657 | -0.6565 | 1.5611 | 0.0995 | 39259 | 0.2605 | 0.5440 | 0.80 | 0.424 |
| **Length of current episode** | 0.2877 | 0.1270 | 0.0388 | 0.5367 | 0.2548 | 128383 | 0.2609 | 0.3095 | 2.27 | 0.0235\* |

ASMI: Appendicular skeletal mass (ASM) index (ASM divided by height2)

df: Degrees of freedom.

CIRS: Cumulative Illness Rating Scale.

MDD: Major depressive disorder

HDRS: Hamilton Depression Rating Scale.

CIRS: Cumulative Illness Rating Scale.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parameter** | **Estimate** | **Standard error** | **95% Confidence interval** | | **Standardized Estimate** | **df** | **Minimum** | **Maximum** | **t** | **Pr > |t|** |
| **Intercept\*** | 6.7909 | 2.1784 | 2.5213 | 11.0605 |  | 302518 | 6.4146 | 7.0955 | 3.12 | 0.0018\* |
| **Age** | 0.0247 | 0.0304 | -0.0350 | 0.0843 | 0.1105 | 1230000 | 0.0217 | 0.0285 | 0.81 | 0.4176 |
| **CIRS** | -0.0084 | 0.0345 | -0.0760 | 0.0593 | -0.0347 | 932135 | -0.0122 | -0.0040 | -0.24 | 0.8090 |
| **MDD age of onset** | -0.6201 | 0.3449 | -1.2961 | 0.0559 | -0.2518 | 628395 | -0.6580 | -0.5834 | -1.80 | 0.0722 |
| **Diabetes** | -0.6817 | 0.4083 | -1.4820 | 0.1186 | -0.2338 | 2390000 | -0.7254 | -0.6521 | -1.67 | 0.0950 |
| **Hypertension** | 0.2136 | 0.2958 | -0.3661 | 0.7933 | 0.0928 | 1950000 | 0.1876 | 0.2475 | 0.72 | 0.4702 |
| **Hyperlipidemia** | 0.0073 | 0.3067 | -0.5938 | 0.6084 | 0.0031 | 307417 | -0.0370 | 0.0562 | 0.02 | 0.9810 |
| **Cardiovascular disease** | 0.5154 | 0.3847 | -0.2385 | 1.2694 | 0.1811 | 88311 | 0.4657 | 0.5938 | 1.34 | 0.1803 |
| **Previously married** | -0.6302 | 0.4746 | -1.5613 | 0.3009 | -0.1991 | 1386 | -0.7880 | -0.4003 | -1.33 | 0.1845 |
| **Currently married** | 0.2986 | 0.3763 | -0.4390 | 1.0362 | 0.1261 | 5975 | 0.1867 | 0.4175 | 0.79 | 0.4274 |
| **Baseline HDRS-17 score, total** | 0.0249 | 0.0295 | -0.0329 | 0.0826 | 0.1048 | 1440000 | 0.0220 | 0.0288 | 0.85 | 0.3981 |
| **Total cholesterol, medium** | 0.0838 | 0.3798 | -0.6607 | 0.8282 | 0.0315 | 221782 | 0.0196 | 0.1557 | 0.22 | 0.8254 |
| **Total cholesterol, high** | -0.7710 | 0.9576 | -2.6479 | 1.1060 | -0.1493 | 399933 | -0.9198 | -0.5750 | -0.81 | 0.4208 |
| **HDL cholesterol** | -0.4821 | 0.3342 | -1.1371 | 0.1730 | -0.2038 | 42715 | -0.5357 | -0.3802 | -1.44 | 0.1492 |
| **LDL cholesterol, medium** | -0.1531 | 0.3498 | -0.8388 | 0.5325 | -0.0658 | 180412 | -0.2054 | -0.0824 | -0.44 | 0.6615 |
| **LDL cholesterol, high** | 0.1951 | 0.7263 | -1.2284 | 1.6187 | 0.0502 | 273871 | 0.0786 | 0.3378 | 0.27 | 0.7882 |
| **Blood glucose, medium** | -0.0820 | 0.3786 | -0.8240 | 0.6601 | -0.0305 | 215216 | -0.1563 | -0.0333 | -0.22 | 0.8286 |
| **Blood glucose, high** | 0.4700 | 0.4293 | -0.3714 | 1.3114 | 0.1649 | 948048 | 0.4288 | 0.5474 | 1.09 | 0.2736 |
| **Length of current episode** | -0.0075 | 0.0980 | -0.1996 | 0.1846 | -0.0098 | 101338 | -0.0221 | 0.0089 | -0.08 | 0.9388 |

Supplementary Table 1b. Summary of multivariate model for baseline lean muscle mass (ASMI) in male participants

ASMI: Appendicular skeletal mass (ASM) index (ASM divided by height2)

df: Degrees of freedom.

CIRS: Cumulative Illness Rating Scale

MDD: Major depressive disorder

HDRS: Hamilton Depression Rating Scale

CIRS: Cumulative Illness Rating Scale