**Supplemental Digital Content 1: Reported and Measured Physical Function Scores**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   |   | **SF-36: PF****(t-score)** | **PPT** **(raw score)** | **6MW****(meters)** |
|  | **N=1778** | **Mean** | **SD** | **P** | **Mean** | **SD** | **P** | **Mean** | **SD** | **P** |
| **Sex** |  |  |  |  |  |  |  |  |  |  |
| Male | 875 | 49.9 | 10.7 | 0.21 | 25.6 | 3.3 | 0.19 | 559.2 | 167.7 | <0.01 |
| Female | 903 | 49.2 | 10.4 |  | 25.8 | 3.4 |  | 522.0 | 157.1 |  |
| **Diagnosis** |  |  |  |  |  |  |  |  |  |  |
| Leukemia1 | 805 | 50.5 | 9.8 | <0.01 | 25.9 | 2.9 | <0.01 | 547.9 | 148.4 | <0.01 |
| Lymphoma | 321 | 48.1 | 11.4 |  | 26.3 | 2.9 |  | 548.1 | 169.7 |  |
| Bone tumor 2 | 128 | 46.4 | 10.6 |  | 25.2 | 2.8 |  | 468.7 | 207.3 |  |
| CNS tumor^ | 141 | 46.4 | 11.9 |  | 22.9 | 6.0 |  | 487.1 | 175.9 |  |
| Other3 | 383 | 50.9 | 10.3 |  | 26.3 | 2.8 |  | 561.4 | 157.5 |  |
| **Age at Diagnosis (Years)** |  |  |  |  |  |  |  |
| 0-4 | 696 | 50.5 | 10.3 | <0.01 | 25.6 | 3.7 | 0.33 | 539.3 | 164.4 | 0.59 |
| 5-9 | 434 | 50.2 | 9.9 |  | 25.9 | 3.3 |  | 549.2 | 156.1 |  |
| 10-14 | 380 | 48.5 | 11.0 |  | 25.8 | 2.7 |  | 534.7 | 167.3 |  |
| ≥15 | 268 | 47.7 | 11.3 |  | 25.9 | 3.2 |  | 536.7 | 167.2 |  |
| **Age at Study (Years)** |  |  |  |  |  |  |
| 18-29 | 660 | 51.2 | 9.4 | <0.01 | 25.7 | 3.7 | <0.01 | 553.1 | 153.7 | <0.01 |
| 30-39 | 726 | 49.8 | 10.6 |  | 26.0 | 2.9 |  | 541.0 | 164.7 |  |
| 40-49 | 334 | 47.0 | 11.4 |  | 25.5 | 3.0 |  | 525.4 | 170.5 |  |
| 50-60 | 58 | 42.3 | 11.9 |  | 24.3 | 5.4 |  | 472.5 | 191.4 |  |
| **Time Since Diagnosis (Years)** |  |  |  |  |  |  |
| 10-19 | 466 | 51.2 | 9.3 | <0.01 | 26.0 | 2.7 | <0.01 | 559.5 | 141.8 | <0.01 |
| 20-29 | 813 | 49.8 | 10.6 |  | 25.8 | 3.6 |  | 544.0 | 166.3 |  |
| 30-39 | 437 | 48.2 | 10.9 |  | 25.6 | 2.9 |  | 522.3 | 169.2 |  |
| 40-48 | 62 | 43.8 | 13.1 |  | 23.9 | 5.9 |  | 475.3 | 205.9 |  |
| **BMI\* (kg/m2)** |  |  |  |  |  |  |  |
| <18.5 | 64 | 47.3 | 12.6 | <0.01 | 24.7 | 5.7 | <0.01 | 524.0 | 224.0 | <0.01 |
| 18.5-24.9 | 553 | 51.0 | 10.0 |  | 26.1 | 3.3 |  | 577.5 | 152.8 |  |
| 25.0-29.9 | 515 | 50.7 | 9.6 |  | 26.0 | 2.7 |  | 558.5 | 160.8 |  |
| 30.0-34.9 | 339 | 48.7 | 10.5 |  | 25.8 | 2.9 |  | 528.0 | 151.9 |  |
| 35.0-39.9 | 164 | 48.4 | 10.8 |  | 25.0 | 3.5 |  | 486.7 | 146.5 |  |
| >40 | 143 | 44.4 | 12.5 |  | 24.5 | 4.1 |  | 429.4 | 158.8 |  |
| 1 Acute lymphoblastic leukemia, chronic myeloid leukemia acute myeloid leukemia, other leukemia2 Ewing sarcoma, osteosarcoma3 Carcinoma, germ cell tumor, hepatoblastoma, melanoma, Wilms tumor, retinoblastoma, neuroblastoma, rhabdomyosarcoma, soft tissue sarcoma, other malignancy^ Central nervous system tumor\*BMI=Body mass index, kg/m2=kilograms per meter squared |