Supplementary Material

Supplementary Table 1. Pearson correlation coefficients (r values) between each pair of parameters with age-groups.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Age | Height | Weight | BMI | Spine TBS | L spine BMD | Total Hip BMD |
| Total (n = 1568) |
|  | Height | −0.338\*\* |  |  |  |  |  |  |
|  | Weight | −0.258\*\* | 0.458\*\* |  |  |  |  |  |
|  | BMI | −0.082\*\* | −0.003 | 0.833\*\* |  |  |  |  |
|  | Spine TBS | −0.283\*\* | 0.196\*\* | 0.043 | −0.045 |  |  |  |
|  | Spine BMD | −0.016 | 0.104\*\* | 0.330\*\* | 0.322\*\* | 0.516\*\* |  |  |
|  | Total Hip BMD | −0.263\*\* | 0.220\*\* | 0.439\*\* | 0.368\*\* | 0.499\*\* | 0.690\*\* |  |
|  | FN BMD | −0.298\*\* | 0.251\*\* | 0.299\*\* | 0.314\*\* | 0.480\*\* | 0.648\*\* | 0.899\*\* |
| 50–59 y/o (n = 952) |
|  | Height | −0.142\*\* |  |  |  |  |  |  |
|  | Weight | −0.113\*\* | 0.467\*\* |  |  |  |  |  |
|  | BMI | −0.058 | −0.008 | 0.843\*\* |  |  |  |  |
|  | Spine TBS | −0.116\*\* | 0.157\*\* | −0.007 | −0.074\* |  |  |  |
|  | Spine BMD | −0.063 | 0.110\*\* | 0.291\*\* | 0.265\*\* | 0.590\*\* |  |  |
|  | Total Hip BMD | −0.095\*\* | 0.174\*\* | 0.409\*\* | 0.365\*\* | 0.487\*\* | 0.738\*\* |  |
|  | FN BMD | −0.143\*\* | 0.182\*\* | 0.355\*\* | 0.301\*\* | 0.459\*\* | 0.686\*\* | 0.880\*\* |
| 60–69 y/o (n = 458) |
|  | Height | −0.158\*\* |  |  |  |  |  |  |
|  | Weight | −0.097\* | 0.420\*\* |  |  |  |  |  |
|  | BMI | −0.020 | −0.021 | 0.848\*\* |  |  |  |  |
|  | Spine TBS | −0.124\*\* | 0.123\*\* | −0.070 | −0.099\* |  |  |  |
|  | Spine BMD | −0.026 | 0.172\*\* | 0.410\*\* | 0.371\*\* | 0.470\*\* |  |  |
|  | Total Hip BMD | −0.155\*\* | 0.175\*\* | 0.416\*\* | 0.353\*\* | 0.441\*\* | 0.667\*\* |  |
|  | FN BMD | −0.152\*\* | 0.217\*\* | 0.404\*\* | 0.307\*\* | 0.432\*\* | 0.644\*\* | 0.909\*\* |
| ≥70 y/o (n = 158) |
|  | Height | 0.011 |  |  |  |  |  |  |
|  | Weight | −0.107 | 0370\*\* |  |  |  |  |  |
|  | BMI | −0.104 | −0.124 | 0.842\*\* |  |  |  |  |
|  | Spine TBS | −0.218\*\* | −0.014 | 0.065 | −0.071 |  |  |  |
|  | Spine BMD | −0.069 | −0.008 | 0.429\*\* | 0.472\*\* | 0.468\*\* |  |  |
|  | Total Hip BMD | −0.239\*\* | 0.067 | 0386\*\* | 0.385\*\* | 0.467\*\* | 0.703\*\* |  |
|  | FN BMD | −0.212\*\* | 0.120 | 0.376\*\* | 0.355\*\* | 0.415\*\* | 0.694\*\* | 0.914\*\* |

\*\* denotes significance level of 0.01.

\* denotes significance level of 0.05.

BMI, body mass index; TBS, trabecular bone score; BMD, bone mineral density; FN, femoral neck.