**Table 2. Summary of Aim 1a**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Aim 1a-1 | | Aim 1a-2 | | | | |
| Model | Model 1a-1-1 | Model 1a-1-2 | Model 1a-2-1 | Model 1a-2-2 | Model 1a-2-3 | Model 1a-2-4 | Model 1a-2-5 |
| Variables included |  |  |  |  |  |  |  |
| Skeletal Biacromial | X | X |  |  |  |  |  |
| Skeletal Biiliac | X | X |  |  |  |  |  |
| Skeletal Bitrochanteric | X | X |  |  |  |  |  |
| Skeletal chest depth | X | X |  |  |  |  |  |
| Skeletal chest | X | X |  |  |  |  |  |
| Skeletal elbow |  | X |  |  |  |  |  |
| Skeletal wrist | X |  |  |  |  |  |  |
| Skeletal knee | X |  |  |  |  |  |  |
| Skeletal ankle |  |  |  |  |  |  |  |
| Shoulder girth |  |  | X | X | X |  |  |
| Chest girth |  |  | X | X | X |  |  |
| Waist girth |  |  | X | X | X |  |  |
| Navel girth |  |  | X | X | X |  |  |
| Hip girth |  |  | X | X | X |  |  |
| Thigh girth |  |  | X | X | X |  |  |
| Bicep girth |  |  | X | X | X |  |  |
| Forearm girth |  |  | X | X | X |  |  |
| Knee girth |  | X | X | X | X | X | X |
| Calf girth |  |  | X | X | X |  |  |
| Ankle girth |  | X | X | X | X | X | X |
| Wrist girth |  | X | X | X | X | X | X |
| Age | X | X | X | X | X | X | X |
| Weight |  |  |  |  |  |  |  |
| Height | X | X |  |  |  |  |  |
| Gender |  | X | X |  | X | X | X |
| Adjusted R^2 | 0.8908 | 0.9170 | 0.9591 | 0.9592 | 0.9253 | 0.8228 | 0.7981 |
| AIC | -1345.17 | -1481.04 | -1851.26 | -1853.18 | -1545.84 | -1105.64 | -1041.32 |
| BIC | -1302.89 | -1426.07 | -1838.58 | -1844.73 | -1533.15 | -1088.72 | -1028.63 |
| Coefficient of gender on Weight | Not available | 1.02 | 1.00 | Not available | 1.02 | 1.06 | 1.05 |
| Confidence interval for the effect of gender | Not available | (0.99,  1.04) | (0.99,  1.01) | Not available | (1.01,  1.04) | (1.04,  1.08) | (1.03,  1.07) |
| p-value for gender | Not available | 0.15 | 0.78 | Not available | <0.0001 | <0.0001 | <0.0001 |