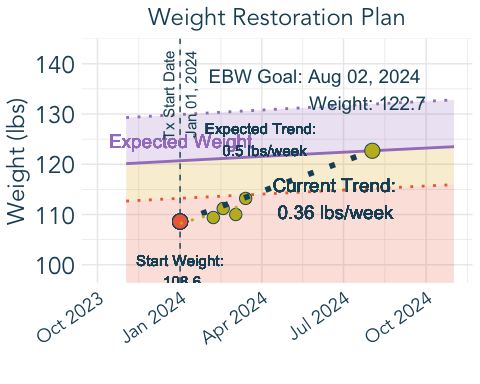
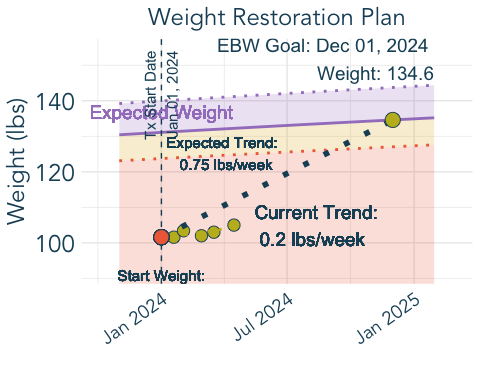
TeenGrowth Example





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| --- | --- | --- | --- |
| |  | | --- | | (a) BMI – Teen 1 | | |  | | --- | | (b) BMI – Teen 2 | |

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| --- | --- | --- | --- |
| |  | | --- | | (c) Weight – Teen 1 | | |  | | --- | | (d) Weight – Teen 2 | |

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| |  | | --- | | (e) Treatment Plan - Teen 1 | | |  | | --- | | (f) Treatment Plan – Teen 2 | |

Figure 1: BMI and Weight Prediction for Two Teens

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| Table 1: Expected BMI and Weight for Teen 1   | Age | Expected BMI | Expected Weight (lbs) | Expected Weight (kgs) | | --- | --- | --- | --- | | 15.0 | 18.4 (17.2, 19.7) | 120.7 (113.2, 129.9) | 54.8 (51.4, 58.9) | | 15.5 | 18.6 (17.5, 20) | 122.4 (114.9, 131.7) | 55.5 (52.1, 59.7) | | 16.0 | 18.9 (17.7, 20.3) | 124 (116.5, 133.4) | 56.3 (52.8, 60.5) | | 16.5 | 19.1 (17.9, 20.5) | 125.5 (117.9, 134.9) | 56.9 (53.5, 61.2) | | 17.0 | 19.3 (18.1, 20.7) | 126.9 (119.3, 136.4) | 57.6 (54.1, 61.9) | | 17.5 | 19.5 (18.3, 20.9) | 128.2 (120.6, 137.7) | 58.1 (54.7, 62.4) | | 18.0 | 19.7 (18.5, 21.1) | 129.3 (121.6, 138.8) | 58.6 (55.2, 63) | | 18.5 | 19.8 (18.6, 21.3) | 130.2 (122.5, 139.8) | 59.1 (55.6, 63.4) | | 19.0 | 19.9 (18.7, 21.4) | 131 (123.2, 140.7) | 59.4 (55.9, 63.8) | | 19.5 | 20 (18.8, 21.5) | 131.5 (123.6, 141.3) | 59.6 (56.1, 64.1) | | 20.0 | 20 (18.8, 21.6) | 131.8 (123.8, 141.8) | 59.8 (56.2, 64.3) | | 20.5 | 20 (18.8, 21.6) | 131.8 (123.8, 141.9) | 59.8 (56.2, 64.4) | | 21.0 | 20 (18.8, 21.6) | 131.8 (123.8, 141.9) | 59.8 (56.2, 64.4) | | 21.5 | 20 (18.8, 21.6) | 131.8 (123.8, 141.9) | 59.8 (56.2, 64.4) | | 22.0 | 20 (18.8, 21.6) | 131.8 (123.8, 141.9) | 59.8 (56.2, 64.4) | | 22.5 | 20 (18.8, 21.6) | 131.8 (123.8, 141.9) | 59.8 (56.2, 64.4) | | 23.0 | 20 (18.8, 21.6) | 131.8 (123.8, 141.9) | 59.8 (56.2, 64.4) | | 23.5 | 20 (18.8, 21.6) | 131.8 (123.8, 141.9) | 59.8 (56.2, 64.4) | | 24.0 | 20 (18.8, 21.6) | 131.8 (123.8, 141.9) | 59.8 (56.2, 64.4) | | 24.5 | 20 (18.8, 21.6) | 131.8 (123.8, 141.9) | 59.8 (56.2, 64.4) | |

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| Table 2: Expected BMI and Weight for Teen 2   | Age | Expected BMI | Expected Weight (lbs) | Expected Weight (kgs) | | --- | --- | --- | --- | | 12.0 | 20.8 (19.7, 22.2) | NA (NA, NA) | NA (NA, NA) | | 12.5 | 21.2 (20, 22.6) | NA (NA, NA) | NA (NA, NA) | | 13.0 | 21.6 (20.4, 23) | NA (NA, NA) | NA (NA, NA) | | 13.5 | 22 (20.7, 23.4) | NA (NA, NA) | NA (NA, NA) | | 14.0 | 22.3 (21.1, 23.8) | NA (NA, NA) | NA (NA, NA) | | 14.5 | 22.7 (21.4, 24.2) | 132.1 (124.7, 141) | 59.9 (56.5, 64) | | 15.0 | 23 (21.7, 24.6) | 134 (126.5, 143.1) | 60.8 (57.4, 64.9) | | 15.5 | 23.3 (22, 24.9) | 135.8 (128.1, 145) | 61.6 (58.1, 65.8) | | 16.0 | 23.6 (22.3, 25.2) | 137.5 (129.7, 146.8) | 62.4 (58.8, 66.6) | | 16.5 | 23.9 (22.5, 25.5) | 139 (131.2, 148.5) | 63.1 (59.5, 67.4) | | 17.0 | 24.1 (22.8, 25.8) | 140.5 (132.6, 150.1) | 63.7 (60.1, 68.1) | | 17.5 | 24.3 (23, 26) | 141.8 (133.8, 151.6) | 64.3 (60.7, 68.8) | | 18.0 | 24.6 (23.2, 26.3) | 143.1 (135, 153) | 64.9 (61.2, 69.4) | | 18.5 | 24.8 (23.3, 26.5) | 144.2 (136, 154.4) | 65.4 (61.7, 70) | | 19.0 | 24.9 (23.5, 26.7) | 145.3 (136.9, 155.7) | 65.9 (62.1, 70.6) | | 19.5 | 25.1 (23.6, 26.9) | 146.3 (137.7, 157) | 66.4 (62.5, 71.2) | | 20.0 | 25.3 (23.8, 27.2) | 147.2 (138.5, 158.2) | 66.8 (62.8, 71.8) | | 20.5 | 25.3 (23.8, 27.2) | 147.4 (138.6, 158.4) | 66.9 (62.8, 71.9) | | 21.0 | 25.3 (23.8, 27.2) | 147.4 (138.6, 158.4) | 66.9 (62.8, 71.9) | | 21.5 | 25.3 (23.8, 27.2) | 147.4 (138.6, 158.4) | 66.9 (62.8, 71.9) | |