**Appendix Table 7: Predicted Reduction in Total Medical Expenditures from Weight Loss for People with Back Pain ($2019)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **BMI** |  | **Total Exp** | **Percent Reduction in BMI** | | | |
| **5%** | **10%** | **15%** | **20%** |
| 30 | Mean | $8,056.10 | $423.99 | $822.48 | $1,197.02 | $1,549.05 |
|  | Std Dev | $15,464.82 | $118.71 | $230.28 | $335.15 | $433.71 |
| 31 | Mean | $6,384.24 | $482.59 | $935.23 | $1,359.79 | $1,758.02 |
|  | Std Dev | $7,398.70 | $151.11 | $292.83 | $425.73 | $550.36 |
| 32 | Mean | $8,278.00 | $505.71 | $979.04 | $1,422.08 | $1,836.76 |
|  | Std Dev | $14,405.03 | $153.55 | $297.26 | $431.78 | $557.68 |
| 33 | Mean | $6,178.40 | $535.37 | $1,035.48 | $1,502.65 | $1,939.05 |
|  | Std Dev | $10,117.21 | $157.17 | $304.00 | $441.17 | $569.33 |
| 34 | Mean | $5,344.75 | $576.24 | $1,113.42 | $1,614.18 | $2,080.99 |
|  | Std Dev | $6,671.82 | $167.86 | $324.32 | $470.14 | $606.05 |
| 35 | Mean | $10,453.98 | $613.84 | $1,184.95 | $1,716.29 | $2,210.63 |
|  | Std Dev | $19,106.90 | $178.71 | $344.98 | $499.66 | $643.57 |
| 36 | Mean | $7,972.81 | $734.93 | $1,417.32 | $2,050.94 | $2,639.27 |
|  | Std Dev | $9,243.30 | $205.41 | $396.20 | $573.41 | $738.01 |
| 37 | Mean | $11,850.55 | $758.00 | $1,460.24 | $2,110.81 | $2,713.52 |
|  | Std Dev | $16,375.91 | $232.24 | $447.39 | $646.71 | $831.37 |
| 38 | Mean | $12,277.83 | $766.36 | $1,475.12 | $2,130.60 | $2,736.81 |
|  | Std Dev | $17,299.85 | $175.99 | $338.75 | $489.28 | $628.48 |
| 39 | Mean | $5,803.08 | $854.82 | $1,643.80 | $2,372.00 | $3,044.12 |
|  | Std Dev | $4,918.33 | $280.62 | $539.69 | $778.88 | $999.70 |
| 40 | Mean | $13,977.92 | $864.16 | $1,659.99 | $2,392.87 | $3,067.80 |
|  | Std Dev | $26,017.67 | $286.05 | $549.54 | $792.27 | $1,015.86 |
| 41 | Mean | $6,442.03 | $1,000.41 | $1,919.69 | $2,764.42 | $3,540.63 |
|  | Std Dev | $9,836.27 | $289.56 | $555.70 | $800.32 | $1,025.16 |
| 42 | Mean | $4,363.35 | $962.69 | $1,845.60 | $2,655.32 | $3,397.94 |
|  | Std Dev | $3,289.09 | $219.88 | $421.68 | $606.90 | $776.89 |
| 43 | Mean | $11,117.11 | $1,024.82 | $1,962.60 | $2,820.73 | $3,605.96 |
|  | Std Dev | $10,815.99 | $407.57 | $780.64 | $1,122.13 | $1,434.73 |
| 44 | Mean | $6,448.66 | $1,262.80 | $2,416.17 | $3,469.60 | $4,431.74 |
|  | Std Dev | $3,723.97 | $232.31 | $444.28 | $637.69 | $814.17 |
| 45 | Mean | $14,888.66 | $936.58 | $1,789.98 | $2,567.57 | $3,276.10 |
|  | Std Dev | $18,598.17 | $149.23 | $284.95 | $408.39 | $520.65 |
| Overall | Mean | $7,897.29 | $598.03 | $1,154.56 | $1,672.50 | $2,154.58 |
|  | Std Dev | $13,102.29 | $246.38 | $472.09 | $678.89 | $868.38 |