**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  |