**Supplementary Table 1: Total Life Expectancy (TLE), Healthy Life Expectancy (HLE) and Unhealthy Life Expectancy (UHLE) (years) of obese women at age 75 (and 95% CI) by BMI change; overall and by initial state**

|  |  |  |
| --- | --- | --- |
|  | **No change****(N=899; 79.7%)** | **Change in BMI** **(N=229; 20.3%)** |
| **Overall** | **TLE** | 14.98 (14.01, 15.85) | 15.23 (14.07, 16.39) |
| **HLE** | 8.2 (7.63, 8.77) | 8.77 (7.83, 9.71) |
| **UHLE** | 6.73 (6.06, 7.40) | 6.51 (5.59, 7.43) |
| **Initial State** |  |
| **Good Health** | **TLE** | 14.37 (13.94, 14.80) | 15.00 (14.14, 15.86) |
| **HLE** | 9.36 (8.95, 9.77) | 9.79 (9.01, 10.57) |
| **UHLE** | 5.02 (4.67, 5.37) | 5.20 (4.51, 5.89) |
| **Poor Health** | **TLE** | 13.22 (12.75, 13.69) | 14.07 (13.11, 15.03) |
| **HLE** | 4.89 (4.48, 5.30) | 5.84 (5.00, 6.68) |
| **UHLE** | 8.33 (7.94, 8.72) | 8.22 (7.44, 9.00) |

**Supplementary Table 2: Total Life Expectancy (TLE), Healthy Life Expectancy (HLE) and Unhealthy Life Expectancy (UHLE), at 5 year increments from 70-100 years, by BMI category**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Underweight** | **Normal Weight** | **Overweight** | **Obese** |
| **Age** | **TLE** | **HLE** | **UHLE** | **TLE** | **HLE** | **UHLE** | **TLE** | **HLE** | **UHLE** | **TLE** | **HLE** | UHLE |
| **70** | 17.89 | 12.05 | 5.84 | 21.72 | 15.05 | 6.67 | 22.06 | 14.13 | 7.93 | 20.46 | 11.90 | 8.56 |
| **75** | 12.37 | 8.17 | 4.20 | 15.75 | 10.63 | 5.12 | 15.94 | 9.84 | 6.11 | 14.66 | 8.08 | 6.58 |
| **80** | 8.32 | 5.32 | 3.01 | 11.16 | 7.22 | 3.93 | 11.27 | 6.58 | 4.69 | 10.28 | 5.27 | 5.01 |
| **85** | 5.45 | 3.33 | 2.12 | 7.67 | 4.70 | 2.97 | 7.75 | 4.21 | 3.54 | 7.01 | 3.29 | 3.71 |
| **90** | 3.44 | 2.00 | 1.44 | 5.06 | 2.91 | 2.15 | 5.13 | 2.56 | 2.56 | 4.58 | 1.96 | 2.63 |
| **95** | 2.09 | 1.16 | 0.93 | 3.17 | 1.70 | 1.47 | 3.24 | 1.48 | 1.76 | 2.86 | 1.10 | 1.76 |
| **100** | 1.24 | 0.65 | 0.59 | 1.91 | 0.95 | 0.96 | 1.96 | 0.81 | 1.15 | 1.72 | 0.59 | 1.13 |