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| **Additional file 1 Weighted Prevalences of Health-related Quality of Life Measures by Year, BRFSS** |
| **Year** | **2001** | **2004** |   |
| **HRQOL Measures** | **n** | **%** | **(95% CI)** | **n** | **%** | **(95% CI)** | **P-value e** |
| **Fair/Poor Health a** | 34,522 | 15.7 | (15.5-16.0) | 54,320 | 16.4 | (16.2-16.7) | <0.001 |
| **Frequent Physical Distress b** | 27,049 | 11.8 | (11.6-12.0) | 43,211 | 12.4 | (12.2-12.6) | <0.001 |
| **Frequent Mental Distress c** | 25,463 | 11.3 | (11.1-11.6) | 36,878 | 11.8 | (11.6-12.0) | 0.008 |
| **Frequent Activity Limitations d** | 15,792 | 6.9 | ( 6.7- 7.1) | 25,816 | 7.5 | ( 7.3- 7.7) | <0.001 |
| **Year** | **2011** | **2013** |   |
| **HRQOL Measures** | **n** | **%** | **(95% CI)** | **n** | **%** | **(95% CI)** | **P-value e** |
| **Fair/Poor Health a** | 98,970 | 18.1 | (17.9-18.4) | 94,609 | 18.2 | (17.9-18.4) | 0.938 |
| **Frequent Physical Distress b** | 80,307 | 14.1 | (14.0-14.3) | 76,961 | 13.9 | (13.7-14.1) | 0.088 |
| **Frequent Mental Distress c** | 63,480 | 13.6 | (13.4-13.8) | 59,106 | 13.0 | (12.8-13.2) | <0.001 |
| **Frequent Activity Limitations d** | 50,848 | 9.4 | ( 9.2- 9.6) | 48,744 | 9.2 | ( 9.0- 9.3) | 0.037 |
| a Self-reported health status. |   |   |   |
| b Physically unhealthy days ≥14 in the past 30 days.  |   |   |   |
| c Mentally unhealthy days ≥14 in the past 30 days.  |   |   |   |
| d Activity limitation days (due to poor physical or mental health) ≥14 in the past 30 days. Activity limitation days are zero when respondents have neither physically unhealthy days nor mentally unhealthy days. |
| e Adjusted Wald test to compare prevalences between years. |   |   |   |