**Appendix A: Regression Results from a Two-Part Model Estimating Per Person Expenditures**

**Table A1. Weighted Regression Results Estimating Per Person Expenditures (2013–2015 MEPS)**

|  | **Part 1: Logistic Regression Estimating Probability of Positive Expenditures** | **Part 2: Generalized Linear Model Estimating Expenditures Among Those with Positive Expenditures**  |
| --- | --- | --- |
| **Variable** | **Coefficient** | **Standard Error** | **P-value** | **Coefficient** | **Standard Error** | **P-value** |
| Disability | 1.77 | 0.25 | 0.000 | 1.45 | 0.06 | 0.000 |
| ***Age*** |  |  |  |  |  |  |
|  18-44 | -0.66 | 0.04 | 0.000 | -0.57 | 0.04 | 0.000 |
|  45-64 | Omitted category |
|  65-74 | -0.14 | 0.15 | 0.345 | -0.22 | 0.07 | 0.002 |
|  75-79 | 0.65 | 0.25 | 0.009 | -0.15 | 0.08 | 0.064 |
|  80+ | 0.35 | 0.22 | 0.108 | -0.16 | 0.08 | 0.047 |
| Female | 0.77 | 0.03 | 0.000 | 0.07 | 0.03 | 0.008 |
| ***Race/Ethnicity*** |  |  |  |  |  |  |
|  White | Omitted category |
|  Black | -0.55 | 0.04 | 0.000 | -0.07 | 0.04 | 0.068 |
|  Hispanic | -0.57 | 0.05 | 0.000 | -0.20 | 0.04 | 0.000 |
|  Asian | -0.87 | 0.06 | 0.000 | -0.33 | 0.06 | 0.000 |
|  Other race | -0.39 | 0.13 | 0.004 | 0.03 | 0.07 | 0.651 |
| Married | 0.12 | 0.04 | 0.002 | 0.04 | 0.03 | 0.204 |
| ***Education Level*** |  |  |  |  |  |  |
|  Less than high school degree | -0.67 | 0.06 | 0.000 | -0.20 | 0.05 | 0.000 |
|  High school graduate | -0.69 | 0.05 | 0.000 | -0.15 | 0.04 | 0.000 |
|  Some college | -0.35 | 0.05 | 0.000 | 0.00 | 0.04 | 0.934 |
|  College graduate | Omitted category |
|  Missing education | -1.38 | 0.20 | 0.000 | -0.09 | 0.18 | 0.618 |
| ***Family income*** |  |  |  |  |  |  |
|  < $25k | 0.05 | 0.04 | 0.224 | -0.05 | 0.04 | 0.204 |
|  $25–50k | Omitted category |
|  $50k+ | 0.15 | 0.04 | 0.000 | -0.01 | 0.04 | 0.747 |
| ***Region*** |  |  |  |  |  |  |
|  Northeast | Omitted category |
|  Midwest | 0.23 | 0.08 | 0.003 | -0.04 | 0.05 | 0.438 |
|  South | -0.02 | 0.07 | 0.763 | -0.17 | 0.05 | 0.001 |
|  West | -0.01 | 0.06 | 0.832 | -0.14 | 0.05 | 0.007 |
| ***Insurance Coverage Category*** |  |  |  |  |  |  |
|  Medicare | 0.56 | 0.16 | 0.001 | 0.51 | 0.07 | 0.000 |
|  Medicaid | -0.16 | 0.06 | 0.004 | -0.10 | 0.05 | 0.066 |
|  Private Insurance | Omitted category |
|  Uninsured | -1.43 | 0.05 | 0.000 | -0.68 | 0.06 | 0.000 |
|  Medicare and Medicaid | 1.16 | 0.22 | 0.000 | 0.94 | 0.11 | 0.000 |
|  Private and Medicare | 1.30 | 0.19 | 0.000 | 0.67 | 0.08 | 0.000 |
|  Other Insurance | -0.44 | 0.06 | 0.000 | -0.19 | 0.06 | 0.002 |
| ***Interaction Terms*** |  |  |  |  |  |  |
|  Disability\*Medicare | -0.73 | 0.30 | 0.017 | -0.63 | 0.09 | 0.000 |
|  Disability\*Medicaid | 0.02 | 0.32 | 0.942 | 0.12 | 0.10 | 0.270 |
|  Disability\*Private Insurance | Omitted category |
| Disability\*Other Insurance | 0.17 | 0.39 | 0.673 | -0.21 | 0.15 | 0.147 |
|  Disability\*Medicare and Medicaid | -0.39 | 0.39 | 0.313 | -0.67 | 0.12 | 0.000 |
|  Disability\*Private and Medicare | -0.02 | 0.50 | 0.974 | -0.52 | 0.09 | 0.000 |
|  Disability\*Uninsured | -0.39 | 0.29 | 0.186 | -0.08 | 0.15 | 0.581 |
| ***Survey Year*** |  |  |  |  |  |  |
|  2013 | 0.03 | 0.04 | 0.469 | -0.07 | 0.03 | 0.014 |
|  2014 | 0.01 | 0.03 | 0.652 | -0.07 | 0.03 | 0.005 |
|  2015 | Omitted category |
| Constant | 2.28 | 0.09 | 0.000 | 8.71 | 0.08 | 0.000 |
|  |  |  |  |  |  |  |

**Appendix B: Growth in the Number of People with Disabilities Between 2002-03 and 2013-2015**

Using the definition of disability based on limitations in activities of daily livings (ADLs), instrumental ADLs (IADLs), or in the inability to work or go to school, there were 8 million more noninstitutionalized people with disabilities in 2015 than in 2003 for a total of 34 million noninstitutionalized people with disabilities in 2015 (Table B1). We estimated how much of the growth in the number of people with disability was due to population growth and how much was due to an increase in the reported prevalence of disability. As shown in Table B1, the total number of people increased by 39 million between 2002-03 and 2013-2015 and the prevalence of disability increased by 1.2 percentage points from 13.6% to 14.8%. If prevalence of disability remained at 13.6% in 2013-015, the estimated number of people with disability in 2013-2015 would have been 32 million (calculated as 233 million people \* 13.6%), representing an increase of 5 million people from 2002-03. Thus, two-thirds of the increase in the number of people with disabilities (5 out of 8 million) was due to population growth, and one-third was due to an increase in the reported prevalence of disability from 13.6% in 2003 to 14.8% in 2015.

**Table B1. Changes in the Number of Noninstitutionalized People with Disability from 2002-03 and 2013-15 MEPS.**

|  |  |  |
| --- | --- | --- |
| **Years of Data** | **Total Number of Noninstitutionalized People (in millions)** | **Noninstitutionalized People With Disability** |
| **%** | **Number (in millions)** | **Number (in millions) using 2002-03 prevalence** |
| 2013-2015 MEPS |  232.9 | 14.8% |  34.4 | 31.7 |
| 2002-2003 MEPS |  193.7  | 13.6% |  26.3  | 26.3 |
| Change from 2002-03 to 2013-2015 |  39.2 | 1.2 |  8.0  | 5.3 |

**Appendix C: Growth in Total DAHE Between 2002-03 and 2013-15**

Adjusted to 2017 prices, total DAHE increased by $341 billion from $527 billion in 2002-03 to $868 billion in 2013-15 (Table C1). We estimated how much of the growth in total DAHE was due to an increase in the number of people with disabilities and how much was due to an increase in per person DAHE. If the number of institutionalized and noninstitutionalized people with disabilities remained at 39 million in 2013-015, the estimated total DAHE in 2013-2015 would have been $686 billion, representing an increase of $159 billion from 2002-03. Thus, almost half of the increase in total DAHE was due to an increase in the number of people with disability and the other half was due to an increase in per person DAHE.

**Table C1. Changes in DAHE from 2013-2015 and 2002-2003 MEPS.**

|  |  |  |
| --- | --- | --- |
| **Years of Data** | **Number of people with disability (institutionalized and noninstitutionalized, in millions)** | **DAHE ($, 2017 prices)** |
| **Per person** | **Total****(in billions)** | **Total (in billions) using number of people from 2002-2003** |
| 2013-2015  | 49.8 | 17,431 | 868 | 686 |
| 2002-2003 | 39.4 | 13,395 | 527 | 527 |
| Change from 2002-03 to 2013-15 | 10.4 | 4,036 | 341 | 159 |