Appendix 2. . Spending estimates and 95% confidence interval (95% CI) from median regression analysis (a) adjusted for child and family characteristicsA and conditional on PT/OT use (n=2,765)\* and (b) fully adjustedB and conditional on PT/OT use, 2006-2008 (n=2,765)\*

|  |  |  |
| --- | --- | --- |
| Characteristic | 1. Adjusted for Child & Family CharacteristicsA | 1. Fully adjusted modelB |
|  | Parameter Estimates  [95 % CI] | Parameter Estimates  [95% CI] |
| Condition Type  Diagnosis (DX)  Developmental delay (DD) | Reference  108.83\*\*\* [42.10, 175.57] | Reference  18.11 [-19.10, 55.32] |
| Child’s race and ethnicity  White, non-Hispanic  Black, non-Hispanic  Hispanic  Other, non-Hispanic  Unknown | Reference  16.55 [-110.91, 144.00]  -39.26 [-115.81, 37.30]  -14.68 [-232.50, 203.14]  -45.32 [-117.74, 27.10] | Reference  -5.82 [-73.66, 62.01]  0.00 [-40.77,40.77]  6.63 [-109.17, 122.43]  -0.84 [-39.47, 37.79] |
| Child’s sex  Male  Female | Reference  1.25 [-52.94, 55.43] | Reference  -.084 [-29.64, 27.96] |
| Urbanicity  Rural  Urban | -105.25\* [-199.62, -10.88]  Reference | -13.97 [-64.54, 36.60]  Reference |
| Number of comorbid chronic conditions  0  1  2 or more | Reference  123.87\*\*\* [56.33, 191.41]  171.19\*\*\* [104.21, 238.17] | Reference  4.56 [-31.82, 40.94]  25.05 [-11.23, 61.32] |
| Age categories  Birth to 12 months  12 months to 24 months  24 months to 35 months | Reference  92.91\*\* [24.23, 161.59]  66.07 [-3.17, 135.32] | Reference  1.26 [-35.85, 38.37]  4.98 [-32.71, 42.67] |
| Social Disadvantage Index  0  1  2 | Reference  15.82 [-48.39, 80.04]  -16.03 [-83.58, 51.53] | Reference  -0.42 [-34.62, 33.78]  0.42 [-35.54, 36.38] |
| PT/OT Dose | 0.10 [0.10, 0.11] | 0.08 [0.08, 0.08] | |
| PT/OT Place of Service  Home  Clinic |  | -16.74 [-19.97,l -13.53]  Reference | |
| Type of PT/OT Service  97110 – Therapeutic exercise to develop strength, endurance, range of motion, and flexibility |  | Reference |
| 97112 – Neuromuscular re-education of movement, balance, coordination, kinesthetic sense, posture, and/or proprioception for sitting and/or standing activities |  | 158.96\*\*\*  [125.98, 191.94] |
| 97530 - Therapeutic activities: of dynamic activities to improve functional performance |  | 152.30\*\*\*  [118.13, 186.47] |
| 97532 – Development of cognitive skills to improve attention, memory, and problem solving |  | 188.99\*\*\*  [150.31, 227.67] |
| 97535 - activities of daily living (ADL) and instructions in use of assistive technology devices/adaptive equipment |  | 182.48\*\*\*  [145.23, 219.72] |
| 97533 - Sensory integrative techniques to enhance sensory processing and promote adaptive responses to environmental demands |  | 363.52\*\*\*  [323.19, 403.84] |

A adjusted for urbanicity, child’s race and ethnicity, sex, age, number of comorbid chronic conditions, social disadvantage, and PT/OT dosage

B adjusted for urbanicity, child’s race and ethnicity, sex, age, number of comorbid chronic conditions, social disadvantage, PT/OT dose, PT/OT place of service (home versus clinic), and PT/OT type of service.