**Supplemental Table 2. Adjusted relative risk for predictors of receipt of outpatient rehabilitation services 1 and 3 years after hospitalization for traumatic brain injury among patients with continuous enrollment. Clustering by institution**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Type of outpatient rehabilitation services received after hospitalization** | | | | | | | |
|  | **Rehab.MD** | | **Physical Therapy** | | **Occupational Therapy** | | **Speech Therapy** | |
|  | **During year 1** | **During 2-3 years** | **During year 1** | **During 2-3 years** | **During year 1** | **During 2-3 years** | **During year 1** | **During 2-3 years** |
|  | **RR (CI)** | **RR (CI)** | **RR (CI)** | **RR (CI)** | **RR (CI)** | **RR (CI)** | **RR (CI)** | **RR (CI)** |
| **Receiving services**  **as an Inpatient** | **35.9 (15.6,82.4)** | **23.8 (10.5,54.1)** | **3.2 (2.6,3.9)** | **2.6 (2.2,3.0)** | **5.6 (4.1,7.4)** | **5.1 (3.9,6.7)** | **4.1 (3.3,5.1)** | **3.2 (2.7,3.8)** |
| **Age years** |  |  |  |  |  |  |  |  |
| 0-4 | Ref | Ref | ref | Ref | Ref | **Ref** | Ref | **Ref** |
| 5-9 | 0.7 (0.3,1.6) | 0.6 (0.3,1.1) | **0.6 (0.5,0.8)** | **0.7 (0.5,0.8)** | **0.7 (0.5,1.0)** | **0.7 (0.6,0.9)** | **0.7 (0.5,0.9)** | **0.6 (0.5,0.8)** |
| 10-14 | 1.2 (0.7,1.9) | 1.2 (0.8,1.8) | **0.6 (0.5,0.7)** | **0.7 (0.6,0.9)** | 0.8 (0.6,1.2) | **0.8 (0.7,1.0)** | **0.8 (0.6,1.0)** | **0.6 (0.5,0.7)** |
| 15-20 | 1.0 (0.6, 1.8) | **1.5 (1.0,2.3)** | **0.7 (0.6,0.9)** | 0.9 (0.8,1.1) | 0.9 (0.7,1.1) | 0.9 (0.7,1.1) | **0.8 (0.6,1.0)** | **0.6 (0.5,0.7)** |
| **gender** |  |  |  |  |  |  |  |  |
| male | Ref | Ref | Ref | Ref | Ref | Ref | Ref | Ref |
| female | 0.9 (0.6-1.3) | 0.9 (0.7, 1.2) | 1.1 (1.0,1.3) | 1.1 (0.9,1.2) | 1.0 (0.8, 1.2) | 1.0 (0.8,1.2) | 1.0 (0.8, 1.1) | 1.0 (0.8, 1.1) |
| **Head max AIS** |  |  |  |  |  |  |  |  |
| 1-2 minor/moderate | Ref | Ref | Ref | Ref | Ref | Ref | Ref | Ref |
| 3 serious | 1.7 (0.7,4.1) | 1.5 (0.8,2.7) | 1.0 (0.7,1.3) | 1.0 (0.8,1.2) | 1.1 (0.7,1.6) | 1.2 (0.8,1.6) | 1.1 (0.7,1.6) | **1.2 (1.0,1.5)** |
| 4-5 critical/severe | **2.6 (1.2,5.7)** | **2.1 (1.1,3.6)** | **1.6 (1.3,2.0)** | **1.4 (1.2,1.6)** | **1.5 (1.0,2.2)** | **1.6 (1.2,2.1)** | **2.1 (1.5,3.0)** | **1.7 (1.4,2.0)** |
| **Max AIS** |  |  |  |  |  |  |  |  |
| 1-2 minor/moderate | **Ref** | Ref | **Ref** | Ref | **Ref** | Ref | **Ref** | Ref |
| 3 serious | 1.2 (0.8,1.8) | 1.0 (0.7,1.5) | **1.5 (1.2,1.7)** | **1.4 (1.3,1.6)** | **1.5 (1.2,1.8)** | **1.2 (1.0,1.4)** | **1.5 (1.2,1.8)** | **1.2 (1.1,1.4)** |
| 4 critical/severe | 0.9 (0.5,1.9) | 0.7 (0.4,1.6) | **1.8 (1.5,2.2)** | **1.5 (1.3,1.8)** | 1.4 (0.8,2.3) | **1.4 (1.1,1.7)** | 1.2 (0.9,1.8) | 1.2 (0.9,1.6) |
| **Plan type** |  |  |  |  |  |  |  |  |
| comprehensive | **Ref** | **Ref** | Ref | Ref | Ref | Ref | Ref | Ref |
| Capitated | **0.5 (0.2,1.0)** | 0.5 (0.2, 1.2) | **0.8 (0.7,1.0)** | **0.9 (0.8,1.0)** | **0.8 (0.5,0.9)** | **0.8 (0.7,1.0)** | 0.9 (0.7,1.2) | **0.9 (0.9, 1.0)** |
| **Race/ethnicity** |  |  |  |  |  |  |  |  |
| NHW | **ref** | **Ref** | **Ref** | **Ref** | Ref | **Ref** | ref | **Ref** |
| NHB | 1.0 (0.7,1.4) | 1.1 (0.8-1.4) | 1.0 (0.9,1.2) | 1.0 (0.8,1.1) | 1.0 (0.8,1.2) | **0.8 (0.7,0.9)** | 1.0 (0.7,1.2) | 1.1 (0.8,1.2) |
| Hispanic | 1.6 (0.8,3.1) | 1.4 (0.9,2.4) | 1.0 (0.7,1.3) | 1.0 (0.6,1.2) | 0.9 (0.6,1.3) | 0.8 (0.6,1.1) | 1.0 (0.7,1.5) | 1.0 (0.7,1.2) |
| Other | **1.6 (1.0,2.6)** | 1.2 (0.7,2.1) | **1.6 (1.2,2.3)** | **1.3 (1.1,1.6)** | **1.4 (1.1,1.7)** | **1.5 (1.2,2.0)** | **1.5 (1.2,1.9)** | **1.5 (1.1,1.9)** |
| **LOS** | 1.0 (1.0,1.0) | 1.0 (1.0,1.0) | 1.0 (1.0,1.0) | 1.0 (1.0,1.0) | 1.0 (1.0,1.0) | 1.0 (1.0,1.0) | 1.0 (1.0,1.0) | **1.0 (1.0,1.0)** |