

Supplemental Material:

Supplemental Material I: Therapy Time Estimates from CPT Code to Revenue Code

| Therapy Type | Revenue Code | Weighted Therapy Minutes Mapped with CPT Code |
|-------------------------|---------------------|--|
| Physical Therapy | 0420 | 14.29 |
| | 0421 | 14.24 |
| | 0422 | 14.38 |
| | 0423 | 10.05 |
| | 0424 | 29.1 |
| | 0429 | 14.96 |
| Occupational Therapy | 0430 | 15.09 |
| | 0431 | 14.87 |
| | 0432 | 15.03 |
| | 0433 | 10.24 |
| | 0434 | 43.46 |
| | 0439 | 14.9 |
| Speech/Language Therapy | 0440 | 44.16 |
| | 0441 | 16.94 |
| | 0442 | 46.7 |
| | 0443 | 19.27 |
| | 0444 | 28.74 |
| | 0449 | 43.19 |

Supplemental Table II: Predictors of Minutes of Physical Therapy Received within One Year of the Stroke.

| Demographic Characteristic , %(n) | Estimate | P value |
|---|----------|---------|
| Age (Year) | -1.6 | <0.01 |
| Black | 19.0 | 0.12 |
| Men | -65.5 | <0.01 |
| Length of hospitalization, Mean (SD) | 34.1 | <0.01 |
| Intracerebral Hemorrhage | 138.1 | <0.01 |
| Tissue plasminogen activator (tPA) | -51.4 | <0.01 |
| Acute intra-arterial treatment | 382.8 | <0.01 |
| Comorbidities | | |
| Congestive heart failure | -48.0 | <0.001 |
| Valvular and rheumatic heart disease | -4.6 | 0.74 |
| Congenital cardiac/circulatory defects | -102.0 | 0.01 |
| Hypertensive heart disease | 51.3 | 0.15 |
| Heart arrhythmias | -42.1 | <0.01 |
| Cerebral hemorrhage | -15.0 | 0.53 |
| Ischemic/unspecified stroke | 37.4 | 0.12 |
| Precerebral arterial occlusion/ transient cerebral ischemia | -18.1 | 0.19 |
| Cerebral atherosclerosis/ aneurysm | 29.0 | 0.13 |
| Hemiplegia/ hemiparesis | 545.9 | <0.01 |
| History of infection | 96.4 | <0.01 |
| Metastatic cancer / acute leukemia / other major cancers | -572.2 | <0.01 |
| Lymphatic, head, neck, brain, breast, colorectal and other cancer | -79.1 | <0.01 |
| Protein-calorie malnutrition | -221.5 | <0.01 |
| Other significant endocrine and metabolic disorders | -19.7 | 0.02 |
| Other gastrointestinal disorders | 6.8 | 0.50 |
| Disorders of vertebrae/ spinal discs | 174.9 | <0.01 |
| Osteoarthritis of hip or knee | 183.7 | <0.01 |
| Other musculoskeletal/ connective tissue disorders | 158.9 | <0.01 |
| Iron deficiency/ unspecified anemia and blood disease | 51.0 | <0.01 |
| Dementia | -48.1 | <0.01 |
| Major psychiatric disorders | 131.7 | <0.01 |
| Quadriplegia/ other extensive paralysis | 51.5 | 0.34 |
| Multiple sclerosis | 221.4 | 0.01 |
| Seizure disorders, convulsions | -42.9 | 0.02 |
| hypertension | 30.2 | <0.01 |
| Peripheral vascular disease | -24.1 | 0.07 |
| Chronic obstructive pulmonary disease | -37.9 | <0.01 |
| Pneumonia | -103.9 | <0.01 |
| Pleural effusion/pneumothorax | -183.0 | <0.01 |

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|--|--------|-------|
| Other eye disorder | -32.2 | 0.09 |
| Other ear, nose, throat and mouth disorder | -50.9 | 0.03 |
| Dialysis status | -66.4 | 0.21 |
| Renal failure | -36.2 | <0.01 |
| Urinary tract infection | 67.2 | <.001 |
| Male genital disorders | 27.1 | 0.12 |
| Decubitus ulcer of skin | -193.7 | <0.01 |
| Chronic ulcer of skin, Except decubitus | 33.2 | 0.46 |
| Life Sustaining Procedures | | |
| Gastrostomy | 141.8 | <0.01 |
| Hemicraniectomy | 440.6 | <0.01 |
| Ventriculostomy | 762.8 | 0.06 |
| Tracheostomy | -59.0 | 0.26 |
| Intubation | -313.7 | <0.01 |
| Hemodialysis | -90.9 | 0.02 |
| Cardiopulmonary Resuscitation | -631.8 | <0.01 |