Supplemental Table 1: Rates of Each Reason for Rehospitalization at 1, 2, 5, and 10 years post-TBI (Level 1 Diagnoses)

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| **Level 1 Diagnosis** | **Year 1** **Rate per 1000 persons with TBI** | **Year 2****Rate per 1000 persons with TBI** | **Year 5** **Rate per 1000 persons with TBI** | **Year 10** **Rate per 1000 persons with TBI** |
| 1. Infectious and parasitic diseases; operations for infection | 24.1 | 22.1 | 17.7 | 11.2 |
| 2. Neoplasms; operations for neoplasm/tumor/cancer | 5.8 | 5.3 | 4.9 | 7.8 |
| 3. Endocrine; nutritional; and metabolic diseases and immunity disorders; operations on the endocrine system | 7.5 | 4.4 | 6.9 | 6.7 |
| 4. Diseases of the blood and blood-forming organs  | 3.3 | 4.4 | 2.0 | 4.5 |
| 5. Mental Illness | 19.1 | 16.8 | 25.6 | 15.7 |
| 6. Diseases of the nervous system and sense organs | 49.9 | 38.1 | 34.4 | 22.4 |
| 7. Diseases of the circulatory system; operations on the cardiovascular system | 36.6 | 25.7 | 32.4 | 21.3 |
| 8. Diseases of the respiratory system | 10.8 | 9.7 | 17.7 | 11.2 |
| 9. Diseases of the digestive system; operations on the digestive system | 18.3 | 16.8 | 17.7 | 21.3 |
| 10. Diseases of the genitourinary system; operations on the genitourinary system | 12.5 | 15.1 | 11.8 | 11.2 |
| 11. Complications of pregnancy; childbirth; and the puerperium; obstetrical procedures | 0.8 | 1.8 | 5.9 | 4.5 |
| 12. Diseases of the skin and subcutaneous tissue | 7.5 | 0.9 | 3.9 | 6.7 |
| 13. Diseases of the musculoskeletal system and the connective tissue | 17.5 | 12.4 | 7.9 | 16.8 |
| 14. Congenital anomalies | 0.8 | 0 | 0 | 1.1 |
| 15. Certain conditions originating in the perinatal period | 0 | 0 | 0 | 0 |
| 16. Injury and poisoning | 53.2 | 61.1 | 42.3 | 47.0 |
| 17. Symptoms; signs; and ill-defined conditions and factors influencing health status | 20.8 | 15.1 | 14.7 | 6.7 |
| 18. Residual codes; unclassified; all E codes | 2.5 | 3.5 | 0 | 0 |