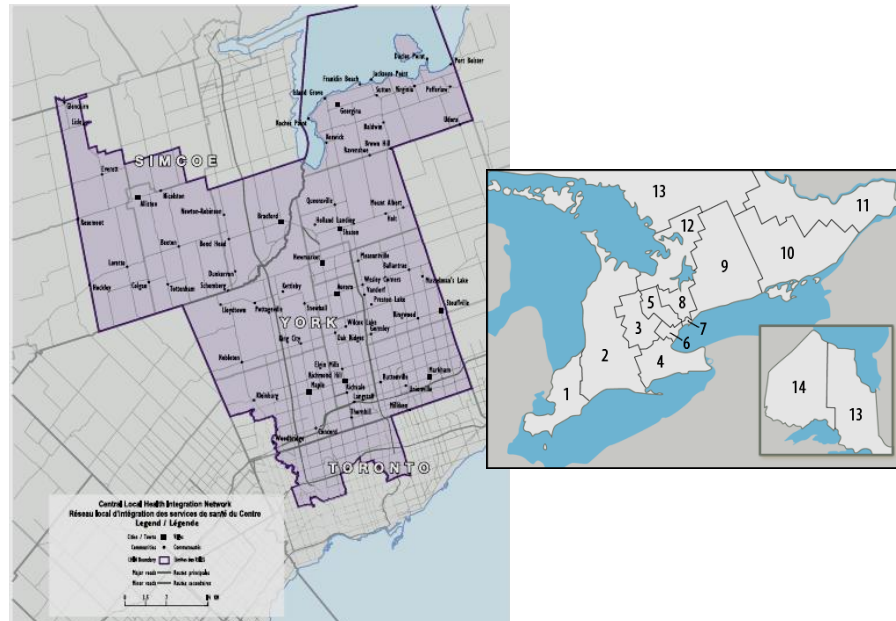


Acquired Brain Injury by Local Health Integration Network in Ontario

08 Central



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Methods

Acquired brain injury (ABI), which includes brain injury from traumatic (e.g., falls, motor vehicle collisions) and non-traumatic (e.g., anoxia, brain tumours) causes, is a leading cause of death and disability in Canada (please see Table 13 and Table 14 for a list of ABI definitions used in this report). ABI is more common than breast cancer, HIV/AIDS, spinal cord injury, and multiple sclerosis combined. The ABI Dataset Project, funded by the Ontario Neurotrauma Foundation, utilized existing administrative data to answer important research questions about ABI in Ontario that resulted from a recent publication of ABI by Local Health Integration Network (LHIN) in Ontario (please see www.onf.org → ABI → Program in Action → ABI Data).

This analysis included fiscal years 2003/04 to 2009/10. LHIN-specific analyses based on inpatient acute care data were obtained from the Discharge Abstract Database (DAD) and inpatient rehabilitation data were obtained from the National Rehabilitation Reporting System (NRS).

Six questions were addressed in this report:

1. Who is discharged to long term care from acute care?
2. Who is discharged to inpatient rehabilitation from acute care?
3. Who is living in residential care at discharge from inpatient rehabilitation?
4. What are the characteristics of ABI patients with 15+ days in alternate level of care?
5. What are the characteristics of ABI patients with extended length of stay in acute care?
6. Who is readmitted to acute care within 30 days of discharge?

Definitions of terms used in the report:

- **Alternate Level of Care (ALC):** An ALC patient is one who “has completed the acute care phase of his or her treatment but remains in the acute care bed” (CIHI 2009)
- **Charlson Comorbidity Index:** The Charlson Comorbidity Index estimates the risk of death from comorbid diseases and is calculated as an indicator of the need of patients with ABI
- **Special Care Days:** The cumulative number of days spent in all intensive care units

Who is Discharged to Long Term Care from Acute Care?

Table 1. Characteristics of TBI Patients Discharged to Long Term Care from Acute Care, 2003/04 – 2009/10

| Characteristics | Central | | Ontario | |
|---|---------|------|---------|------|
| | N | Col% | N | Col% |
| Overall | 165 | 100 | 1,558 | 100 |
| Age | | | | |
| <19 | 0 | 0 | <5 | . |
| 19 – 54 | 6 | 3.6 | NR | . |
| 55 – 64 | 14 | 8.5 | 128 | 8.2 |
| 65 – 74 | 14 | 8.5 | 168 | 10.8 |
| 75 – 84 | 59 | 35.8 | 520 | 33.4 |
| 85+ | 72 | 43.6 | 627 | 40.2 |
| Sex | | | | |
| Female | 83 | 50.3 | 825 | 53.0 |
| Male | 82 | 49.7 | 733 | 47.0 |
| Fiscal Year of Discharge | | | | |
| 2003/04 | 9 | 5.5 | 169 | 10.8 |
| 2004/05 | 18 | 10.9 | 186 | 11.9 |
| 2005/06 | 23 | 13.9 | 199 | 12.8 |
| 2006/07 | 22 | 13.3 | 221 | 14.2 |
| 2007/08 | 27 | 16.4 | 228 | 14.6 |
| 2008/09 | 37 | 22.4 | 264 | 16.9 |
| 2009/10 | 29 | 17.6 | 291 | 18.7 |
| Length of Stay in Acute Care | | | | |
| 1 – 2 | 6 | 3.6 | 102 | 6.5 |
| 3 – 5 | 29 | 17.6 | 258 | 16.6 |
| 6 – 11 | 51 | 30.9 | 314 | 20.2 |
| 12+ | 79 | 47.9 | 884 | 56.7 |
| Charlson Comorbidity Index Score | | | | |
| 0 – 1 (low) | 123 | 74.5 | 1,168 | 75.0 |
| 2 - 3 | 36 | 21.8 | 311 | 20.0 |
| 4+ (high) | 6 | 3.6 | 79 | 5.1 |
| Psychiatric Comorbidity | | | | |
| Yes | 80 | 48.5 | 724 | 46.5 |
| No | 85 | 51.5 | 834 | 53.5 |
| Number of ALC Days | | | | |
| None | 106 | 64.2 | 893 | 57.3 |
| 1 – 2 | NR | . | 32 | 2.1 |
| 3 – 5 | <5 | . | 35 | 2.2 |
| 6 – 11 | 9 | 5.5 | 101 | 6.5 |

| Characteristics | Central | | Ontario | |
|--|---------|------|---------|------|
| | N | Col% | N | Col% |
| 12+ | 42 | 25.5 | 497 | 31.9 |
| Number of Special Care Days | | | | |
| None | 143 | 86.7 | 1,308 | 84.0 |
| 1 – 2 | 7 | 4.2 | 79 | 5.1 |
| 3 – 5 | 7 | 4.2 | 75 | 4.8 |
| 6 – 11 | <5 | . | 51 | 3.3 |
| 12+ | NR | . | 45 | 2.9 |
| Motor Vehicle Collision | | | | |
| Yes | 10 | 6.1 | 77 | 4.9 |
| No | 155 | 93.9 | 1,481 | 95.1 |
| Number of Previous ABI Admissions | | | | |
| 0 | 117 | 70.9 | 1,135 | 72.8 |
| 1 | 34 | 20.6 | 315 | 20.2 |
| 2+ | 14 | 8.5 | 108 | 6.9 |

Note: NR = not reportable due to small cell size

Table 2. Characteristics of nTBI Patients Discharged to Long Term Care from Acute Care, 2003/04 – 2009/10

| Characteristics | Central | | Ontario | |
|---|---------|------|---------|------|
| | N | Col% | N | Col% |
| Overall | 417 | 100 | 4,214 | 100 |
| Age | | | | |
| <19 | 0 | 0 | <5 | . |
| 19 – 54 | 24 | 5.8 | NR | . |
| 55 – 64 | 41 | 9.8 | 397 | 9.4 |
| 65 – 74 | 54 | 12.9 | 755 | 17.9 |
| 75 – 84 | 170 | 40.8 | 1,619 | 38.4 |
| 85+ | 128 | 30.7 | 1,168 | 27.7 |
| Sex | | | | |
| Female | 241 | 57.8 | 2,466 | 58.5 |
| Male | 176 | 42.2 | 1,748 | 41.5 |
| Fiscal Year of Discharge | | | | |
| 2003/04 | 61 | 14.6 | 683 | 16.2 |
| 2004/05 | 63 | 15.1 | 688 | 16.3 |
| 2005/06 | 45 | 10.8 | 630 | 15.0 |
| 2006/07 | 68 | 16.3 | 582 | 13.8 |
| 2007/08 | 51 | 12.2 | 533 | 12.6 |
| 2008/09 | 60 | 14.4 | 569 | 13.5 |
| 2009/10 | 69 | 16.5 | 529 | 12.6 |
| Length of Stay in Acute Care | | | | |
| 1 – 2 | 16 | 3.8 | 149 | 3.5 |
| 3 – 5 | 52 | 12.5 | 612 | 14.5 |
| 6 – 11 | 96 | 23.0 | 1,041 | 24.7 |
| 12+ | 253 | 60.7 | 2,412 | 57.2 |
| Charlson Comorbidity Index Score | | | | |
| 0 – 1 (low) | 166 | 39.8 | 1,832 | 43.5 |
| 2 – 3 | 146 | 35.0 | 1,406 | 33.4 |
| 4+ (high) | 105 | 25.2 | 976 | 23.2 |
| Psychiatric Comorbidity | | | | |
| Yes | 170 | 40.8 | 1,546 | 36.7 |
| No | 247 | 59.2 | 2,668 | 63.3 |
| Number of ALC Days | | | | |
| None | 268 | 64.3 | 2,645 | 62.8 |
| 1 – 2 | 11 | 2.6 | 81 | 1.9 |
| 3 – 5 | 6 | 1.4 | 100 | 2.4 |
| 6 – 11 | 27 | 6.5 | 277 | 6.6 |
| 12+ | 105 | 25.2 | 1,111 | 26.4 |
| Number of Special Care Days | | | | |
| None | 358 | 85.9 | 3,613 | 85.7 |
| 1 – 2 | 11 | 2.6 | 202 | 4.8 |
| 3 – 5 | 22 | 5.3 | 165 | 3.9 |
| 6 – 11 | 9 | 2.2 | 118 | 2.8 |

| Characteristics | Central | | Ontario | |
|--|---------|------|---------|------|
| | N | Col% | N | Col% |
| 12+ | 17 | 4.1 | 116 | 2.8 |
| Number of Previous ABI Admissions | | | | |
| 0 | 302 | 72.4 | 2,868 | 68.1 |
| 1 | 74 | 17.7 | 848 | 20.1 |
| 2+ | 41 | 9.8 | 498 | 11.8 |

Note: NR = not reportable due to small cell size

Who is Discharged to Inpatient Rehabilitation from Acute Care?

Table 3. Characteristics of TBI Patients Discharged to Inpatient Rehabilitation from Acute Care, 2003/04 – 2009/10

| Characteristics | Central | | Ontario | |
|---|---------|------|---------|------|
| | N | Col% | N | Col% |
| Overall | 389 | 100 | 3,248 | 100 |
| Age | | | | |
| <19 | 17 | 4.4 | 182 | 5.6 |
| 19 – 54 | 128 | 32.9 | 1,276 | 39.3 |
| 55 – 64 | 44 | 11.3 | 382 | 11.8 |
| 65 – 74 | 66 | 17.0 | 454 | 14.0 |
| 75 – 84 | 97 | 24.9 | 659 | 20.3 |
| 85+ | 37 | 9.5 | 295 | 9.1 |
| Sex | | | | |
| Female | 154 | 39.6 | 1,144 | 35.2 |
| Male | 235 | 60.4 | 2,104 | 64.8 |
| Fiscal Year of Discharge | | | | |
| 2003/04 | 43 | 11.1 | 375 | 11.5 |
| 2004/05 | 49 | 12.6 | 396 | 12.2 |
| 2005/06 | 55 | 14.1 | 423 | 13.0 |
| 2006/07 | 58 | 14.9 | 471 | 14.5 |
| 2007/08 | 51 | 13.1 | 522 | 16.1 |
| 2008/09 | 62 | 15.9 | 515 | 15.9 |
| 2009/10 | 71 | 18.3 | 546 | 16.8 |
| Length of Stay in Acute Care | | | | |
| 1 – 2 | <5 | . | 22 | 0.7 |
| 3 – 5 | NR | . | 159 | 4.9 |
| 6 – 11 | 77 | 19.8 | 642 | 19.8 |
| 12+ | 293 | 75.3 | 2,425 | 74.7 |
| Charlson Comorbidity Index Score | | | | |
| 0 – 1 (low) | 341 | 87.7 | 2,804 | 86.3 |
| 2 - 3 | 42 | 10.8 | 389 | 12.0 |
| 4+ (high) | 6 | 1.5 | 55 | 1.7 |
| Psychiatric Comorbidity | | | | |
| Yes | 65 | 16.7 | 667 | 20.5 |
| No | 324 | 83.3 | 2,581 | 79.5 |
| Number of ALC Days | | | | |
| None | 158 | 40.6 | 1,669 | 51.4 |
| 1 – 2 | 37 | 9.5 | 232 | 7.1 |
| 3 – 5 | 51 | 13.1 | 281 | 8.7 |
| 6 – 11 | 65 | 16.7 | 456 | 14.0 |

| Characteristics | Central | | Ontario | |
|--|---------|------|---------|------|
| | N | Col% | N | Col% |
| 12+ | 78 | 20.1 | 610 | 18.8 |
| Number of Special Care Days | | | | |
| None | 180 | 46.3 | 1,429 | 44.0 |
| 1 – 2 | 37 | 9.5 | 351 | 10.8 |
| 3 – 5 | 48 | 12.3 | 376 | 11.6 |
| 6 – 11 | 53 | 13.6 | 423 | 13.0 |
| 12+ | 71 | 18.3 | 669 | 20.6 |
| Motor Vehicle Collision | | | | |
| Yes | 150 | 38.6 | 1,003 | 30.9 |
| No | 239 | 61.4 | 2,245 | 69.1 |
| Number of Previous ABI Admissions | | | | |
| 0 | 284 | 73.0 | 2,294 | 70.6 |
| 1 | 90 | 23.1 | 771 | 23.7 |
| 2+ | 15 | 3.9 | 183 | 5.6 |

Note: NR = not reportable due to small cell size

Table 4. Characteristics of nTBI Patients Discharged to Inpatient Rehabilitation from Acute Care, 2003/04 – 2009/10

| Characteristics | Central | | Ontario | |
|---|---------|------|---------|------|
| | N | Col% | N | Col% |
| Overall | 541 | 100 | 4,936 | 100 |
| Age | | | | |
| <19 | <5 | . | 51 | 1.0 |
| 19 – 54 | 129 | 23.8 | 1,325 | 26.8 |
| 55 – 64 | 111 | 20.5 | 931 | 18.9 |
| 65 – 74 | 142 | 26.2 | 1,060 | 21.5 |
| 75 – 84 | 112 | 20.7 | 1,193 | 24.2 |
| 85+ | NR | . | 376 | 7.6 |
| Sex | | | | |
| Female | 271 | 50.1 | 2,293 | 46.5 |
| Male | 270 | 49.9 | 2,643 | 53.5 |
| Fiscal Year of Discharge | | | | |
| 2003/04 | 66 | 12.2 | 605 | 12.3 |
| 2004/05 | 70 | 12.9 | 646 | 13.1 |
| 2005/06 | 80 | 14.8 | 697 | 14.1 |
| 2006/07 | 62 | 11.5 | 714 | 14.5 |
| 2007/08 | 72 | 13.3 | 714 | 14.5 |
| 2008/09 | 89 | 16.5 | 744 | 15.1 |
| 2009/10 | 102 | 18.9 | 816 | 16.5 |
| Length of Stay in Acute Care | | | | |
| 1 – 2 | 8 | 1.5 | 50 | 1.0 |
| 3 – 5 | 22 | 4.1 | 271 | 5.5 |
| 6 – 11 | 105 | 19.4 | 1,037 | 21.0 |
| 12+ | 406 | 75.0 | 3,578 | 72.5 |
| Charlson Comorbidity Index Score | | | | |
| 0 – 1 (low) | 294 | 54.3 | 2,613 | 52.9 |
| 2 – 3 | 160 | 29.6 | 1,436 | 29.1 |
| 4+ (high) | 87 | 16.1 | 887 | 18.0 |
| Psychiatric Comorbidity | | | | |
| Yes | 76 | 14.0 | 836 | 16.9 |
| No | 465 | 86.0 | 4,100 | 83.1 |
| Number of ALC Days | | | | |
| None | 248 | 45.8 | 2,660 | 53.9 |
| 1 – 2 | 40 | 7.4 | 399 | 8.1 |
| 3 – 5 | 58 | 10.7 | 460 | 9.3 |
| 6 – 11 | 99 | 18.3 | 639 | 12.9 |
| 12+ | 96 | 17.7 | 778 | 15.8 |
| Number of Special Care Days | | | | |
| None | 278 | 51.4 | 2,710 | 54.9 |
| 1 – 2 | 88 | 16.3 | 627 | 12.7 |
| 3 – 5 | 60 | 11.1 | 482 | 9.8 |
| 6 – 11 | 46 | 8.5 | 436 | 8.8 |

| Characteristics | Central | | Ontario | |
|--|---------|------|---------|------|
| | N | Col% | N | Col% |
| 12+ | 69 | 12.8 | 681 | 13.8 |
| Number of Previous ABI Admissions | | | | |
| 0 | 324 | 59.9 | 2,848 | 57.7 |
| 1 | 137 | 25.3 | 1,322 | 26.8 |
| 2+ | 80 | 14.8 | 766 | 15.5 |

Note: NR = not reportable due to small cell size

Who Lives in Residential Care* at Discharge from Inpatient Rehabilitation?

* This analysis combined data for ABI patients living in a residential care facility and those living in assisted living settings at discharge from inpatient rehabilitation.

Table 5. Characteristics of TBI Patients Living in Residential Care at Discharge from Inpatient Rehabilitation, 2003/04 - 2009/10

| Characteristics | Central | | Ontario | |
|---|---------|------|---------|------|
| | N | Col% | N | Col% |
| Overall | 29 | 100 | 431 | 100 |
| Age | | | | |
| 19 – 54 | 9 | 31.0 | 136 | 31.6 |
| 55 – 64 | <5 | . | 49 | 11.4 |
| 65 – 74 | 6 | 20.7 | 55 | 12.8 |
| 75 – 84 | <5 | . | 117 | 27.1 |
| 85+ | <5 | . | 74 | 17.2 |
| Sex | | | | |
| Female | 12 | 41.4 | 183 | 42.5 |
| Male | 17 | 58.6 | 248 | 57.5 |
| Fiscal Year of Discharge | | | | |
| 2003/04 | <5 | . | 70 | 16.2 |
| 2004/05 | <5 | . | 65 | 15.1 |
| 2005/06 | <5 | . | 57 | 13.2 |
| 2006/07 | 7 | 24.1 | 67 | 15.5 |
| 2007/08 | <5 | . | 63 | 14.6 |
| 2008/09 | <5 | . | 68 | 15.8 |
| 2009/10 | <5 | . | 41 | 9.5 |
| Length of Stay in Acute Care | | | | |
| 1 – 2 | 0 | 0 | 6 | 1.4 |
| 3 – 5 | <5 | . | 18 | 4.2 |
| 6 – 11 | <5 | . | 67 | 15.5 |
| 12+ | 23 | 79.3 | 340 | 78.9 |
| Charlson Comorbidity Index Score | | | | |
| 0 – 1 (low) | NR | . | 358 | 83.1 |
| 2 - 3 | <5 | . | 61 | 14.2 |
| 4+ (high) | 0 | 0 | 12 | 2.8 |
| Psychiatric Comorbidity | | | | |
| Yes | 8 | 27.6 | 97 | 22.5 |
| No | 21 | 72.4 | 334 | 77.5 |
| Number of ALC Days | | | | |
| None | 9 | 31.0 | 210 | 48.7 |
| 1 – 2 | <5 | . | 21 | 4.9 |

| Characteristics | Central | | Ontario | |
|--|---------|------|---------|------|
| | N | Col% | N | Col% |
| 3 – 5 | <5 | . | 28 | 6.5 |
| 6 – 11 | <5 | . | 65 | 15.1 |
| 12+ | 12 | 41.4 | 107 | 24.8 |
| Number of Special Care Days | | | | |
| None | 15 | 51.7 | 187 | 43.4 |
| 1 – 2 | <5 | . | 48 | 11.1 |
| 3 – 5 | <5 | . | 42 | 9.7 |
| 6 – 11 | <5 | . | 50 | 11.6 |
| 12+ | 10 | 34.5 | 104 | 24.1 |
| Motor Vehicle Collision | | | | |
| Yes | 13 | 44.8 | 120 | 27.8 |
| No | 16 | 55.2 | 311 | 72.2 |
| Number of Previous ABI Admissions | | | | |
| 0 | 19 | 65.5 | 333 | 77.3 |
| 1 | NR | . | 81 | 18.8 |
| 2+ | <5 | . | 17 | 3.9 |

Note: NR = not reportable due to small cell size

Table 6. Characteristics of nTBI Patients Living in Residential Care at Discharge from Inpatient Rehabilitation, 2003/04 - 2009/10

| Characteristics | Central | | Ontario | |
|---|---------|------|---------|------|
| | N | Col% | N | Col% |
| Overall | 54 | 100 | 525 | 100 |
| Age | | | | |
| 19 – 54 | 15 | 27.8 | 135 | 25.7 |
| 55 – 64 | 6 | 11.1 | 74 | 14.1 |
| 65 – 74 | 9 | 16.7 | 96 | 18.3 |
| 75 – 84 | 13 | 24.1 | 157 | 29.9 |
| 85+ | 11 | 20.4 | 63 | 12.0 |
| Sex | | | | |
| Female | 31 | 57.4 | 268 | 51.0 |
| Male | 23 | 42.6 | 257 | 49.0 |
| Fiscal Year of Discharge | | | | |
| 2003/04 | 8 | 14.8 | 82 | 15.6 |
| 2004/05 | 8 | 14.8 | 94 | 17.9 |
| 2005/06 | <5 | . | 71 | 13.5 |
| 2006/07 | 8 | 14.8 | 85 | 16.2 |
| 2007/08 | <5 | . | 65 | 12.4 |
| 2008/09 | 8 | 14.8 | 70 | 13.3 |
| 2009/10 | 13 | 24.1 | 58 | 11.0 |
| Length of Stay in Acute Care | | | | |
| 1 – 2 | <5 | . | 13 | 2.5 |
| 3 – 5 | NR | . | 43 | 8.2 |
| 6 – 11 | 8 | 14.8 | 81 | 15.4 |
| 12+ | 39 | 72.2 | 388 | 73.9 |
| Charlson Comorbidity Index Score | | | | |
| 0 – 1 (low) | 39 | 72.2 | 303 | 57.7 |
| 2 - 3 | NR | . | 170 | 32.4 |
| 4+ (high) | <5 | . | 52 | 9.9 |
| Psychiatric Comorbidity | | | | |
| Yes | 12 | 22.2 | 113 | 21.5 |
| No | 42 | 77.8 | 412 | 78.5 |
| Number of ALC Days | | | | |
| None | 23 | 42.6 | 279 | 53.1 |
| 1 – 2 | <5 | . | 28 | 5.3 |
| 3 – 5 | NR | . | 45 | 8.6 |
| 6 – 11 | 8 | 14.8 | 64 | 12.2 |
| 12+ | 10 | 18.5 | 109 | 20.8 |
| Number of Special Care Days | | | | |
| None | 32 | 59.3 | 298 | 56.8 |
| 1 – 2 | <5 | . | 44 | 8.4 |
| 3 – 5 | <5 | . | 43 | 8.2 |
| 6 – 11 | 9 | 16.7 | 49 | 9.3 |

| Characteristics | Central | | Ontario | |
|--|---------|------|---------|------|
| | N | Col% | N | Col% |
| 12+ | <5 | . | 91 | 17.3 |
| Number of Previous ABI Admissions | | | | |
| 0 | 39 | 72.2 | 394 | 75.0 |
| 1 | NR | . | 101 | 19.2 |
| 2+ | <5 | . | 30 | 5.7 |

Note: NR = not reportable due to small cell size

What are the Characteristics of ABI Patients with 15+ Days in ALC*?

* This analysis focused on the characteristics of ABI patients with 15+ days in ALC as a result of feedback received from LHINs on the recently published ABI reports.

Table 7. Characteristics of TBI Patients with 15+ Days in ALC, 2003/04 - 2009/10

| Characteristics | Central | | Ontario | |
|---|---------|------|---------|------|
| | N | Col% | N | Col% |
| Overall | 162 | 100 | 1,791 | 100 |
| Age | | | | |
| <19 | <5 | . | 31 | 1.7 |
| 19 – 54 | 34 | 21.0 | 413 | 23.1 |
| 55 – 64 | NR | . | 206 | 11.5 |
| 65 – 74 | 25 | 15.4 | 255 | 14.2 |
| 75 – 84 | 46 | 28.4 | 464 | 25.9 |
| 85+ | 36 | 22.2 | 422 | 23.6 |
| Sex | | | | |
| Female | 53 | 32.7 | 698 | 39.0 |
| Male | 109 | 67.3 | 1,093 | 61.0 |
| Fiscal Year of Discharge | | | | |
| 2003/04 | 22 | 13.6 | 181 | 10.1 |
| 2004/05 | 18 | 11.1 | 204 | 11.4 |
| 2005/06 | 15 | 9.3 | 181 | 10.1 |
| 2006/07 | 20 | 12.3 | 233 | 13.0 |
| 2007/08 | 15 | 9.3 | 304 | 17.0 |
| 2008/09 | 34 | 21.0 | 335 | 18.7 |
| 2009/10 | 38 | 23.5 | 353 | 19.7 |
| Charlson Comorbidity Index Score | | | | |
| 0 – 1 (low) | 117 | 72.2 | 1,361 | 76.0 |
| 2 - 3 | 39 | 24.1 | 327 | 18.3 |
| 4+ (high) | 6 | 3.7 | 103 | 5.8 |
| Psychiatric Comorbidity | | | | |
| Yes | 58 | 35.8 | 747 | 41.7 |
| No | 104 | 64.2 | 1,044 | 58.3 |
| Number of Special Care Days | | | | |
| None | 91 | 56.2 | 1,071 | 59.8 |
| 1 – 2 | 9 | 5.6 | 99 | 5.5 |
| 3 – 5 | 13 | 8.0 | 139 | 7.8 |
| 6 – 11 | 11 | 6.8 | 150 | 8.4 |
| 12+ | 38 | 23.5 | 332 | 18.5 |
| Motor Vehicle Collision | | | | |
| Yes | 39 | 24.1 | 299 | 16.7 |

| Characteristics | Central | | Ontario | |
|---|---------|------|---------|------|
| | N | Col% | N | Col% |
| No | 123 | 75.9 | 1,492 | 83.3 |
| Number of Previous ABI Admissions | | | | |
| 0 | 119 | 73.5 | 1,215 | 67.8 |
| 1 | 31 | 19.1 | 462 | 25.8 |
| 2+ | 12 | 7.4 | 114 | 6.4 |
| Discharge Destination ¹ | | | | |
| Death | 12 | 7.4 | 135 | 7.5 |
| Home | 32 | 19.8 | 378 | 21.1 |
| Inpatient Rehabilitation | 59 | 36.4 | 479 | 26.7 |
| Long Term Care | 36 | 22.2 | 442 | 24.7 |
| Transferred ² | 23 | 14.2 | 350 | 19.5 |

Note: NR = not reportable due to small cell size

¹ Missing values were excluded and thus, column percentages may not add up to 100%

² Transferred includes transferred to another facility providing inpatient hospital care and to other

Table 8. Characteristics of nTBI Patients with 15+ Days in ALC, 2003/04 - 2009/10

| Characteristics | Central | | Ontario | |
|---|---------|------|---------|------|
| | N | Col% | N | Col% |
| Overall | 435 | 100 | 4,662 | 100 |
| Age | | | | |
| <19 | <5 | . | 16 | 0.3 |
| 19 – 54 | 89 | 20.5 | 812 | 17.4 |
| 55 – 64 | 69 | 15.9 | 771 | 16.5 |
| 65 – 74 | 97 | 22.3 | 1,019 | 21.9 |
| 75 – 84 | 130 | 29.9 | 1,425 | 30.6 |
| 85+ | NR | . | 619 | 13.3 |
| Sex | | | | |
| Female | 207 | 47.6 | 2,260 | 48.5 |
| Male | 228 | 52.4 | 2,402 | 51.5 |
| Fiscal Year of Discharge | | | | |
| 2003/04 | 60 | 13.8 | 648 | 13.9 |
| 2004/05 | 61 | 14.0 | 554 | 11.9 |
| 2005/06 | 45 | 10.3 | 585 | 12.5 |
| 2006/07 | 50 | 11.5 | 645 | 13.8 |
| 2007/08 | 74 | 17.0 | 718 | 15.4 |
| 2008/09 | 69 | 15.9 | 760 | 16.3 |
| 2009/10 | 76 | 17.5 | 752 | 16.1 |
| Charlson Comorbidity Index Score | | | | |
| 0 – 1 (low) | 152 | 34.9 | 1,571 | 33.7 |
| 2 - 3 | 125 | 28.7 | 1,423 | 30.5 |
| 4+ (high) | 158 | 36.3 | 1,668 | 35.8 |
| Psychiatric Comorbidity | | | | |
| Yes | 121 | 27.8 | 1,491 | 32.0 |
| No | 314 | 72.2 | 3,171 | 68.0 |
| Number of Special Care Days | | | | |
| None | 265 | 60.9 | 3,309 | 71.0 |
| 1 – 2 | 27 | 6.2 | 226 | 4.8 |
| 3 – 5 | 29 | 6.7 | 257 | 5.5 |
| 6 – 11 | 27 | 6.2 | 297 | 6.4 |
| 12+ | 87 | 20.0 | 573 | 12.3 |
| Number of Previous ABI Admissions | | | | |
| 0 | 263 | 60.5 | 2,837 | 60.9 |
| 1 | 114 | 26.2 | 1,151 | 24.7 |
| 2+ | 58 | 13.3 | 674 | 14.5 |
| Discharge Destination ¹ | | | | |
| Death | 81 | 18.6 | 1,054 | 22.6 |
| Home | 64 | 14.7 | 780 | 16.7 |
| Inpatient Rehabilitation | 77 | 17.7 | 599 | 12.8 |
| Long Term Care | 96 | 22.1 | 973 | 20.9 |

| Characteristics | Central | | Ontario | |
|--------------------------|---------|------|---------|------|
| | N | Col% | N | Col% |
| Transferred ² | 115 | 26.4 | 1,241 | 26.6 |

Note: NR = not reportable due to small cell size

¹ Missing values were excluded and thus, column percentages may not add up to 100%

² Transferred includes transferred to another facility providing inpatient hospital care and to other

Who is Discharged with Extended Length of Stay* in Acute Care?

* Extended length of stay (LOS) is defined as LOS in the 75th percentile and higher.

Table 9. Characteristics of TBI Patients Discharged with Extended Length of Stay in Acute Care, 2003/04 - 2009/10

| Characteristics | Central | | Ontario | |
|---|---------|------|---------|------|
| | N | Col% | N | Col% |
| Overall | 924 | 100 | 9,399 | 100 |
| Age | | | | |
| <19 | 106 | 11.5 | 912 | 9.7 |
| 19 – 54 | 231 | 25.0 | 2,822 | 30.0 |
| 55 – 64 | 78 | 8.4 | 958 | 10.2 |
| 65 – 74 | 138 | 14.9 | 1,266 | 13.5 |
| 75 – 84 | 220 | 23.8 | 2,059 | 21.9 |
| 85+ | 151 | 16.3 | 1,382 | 14.7 |
| Sex | | | | |
| Female | 327 | 35.4 | 3,454 | 36.7 |
| Male | 597 | 64.6 | 5,945 | 63.3 |
| Fiscal Year of Discharge | | | | |
| 2003/04 | 116 | 12.6 | 1,169 | 12.4 |
| 2004/05 | 116 | 12.6 | 1,296 | 13.8 |
| 2005/06 | 129 | 14.0 | 1,269 | 13.5 |
| 2006/07 | 127 | 13.7 | 1,286 | 13.7 |
| 2007/08 | 116 | 12.6 | 1,407 | 15.0 |
| 2008/09 | 147 | 15.9 | 1,414 | 15.0 |
| 2009/10 | 173 | 18.7 | 1,558 | 16.6 |
| Charlson Comorbidity Index Score | | | | |
| 0 – 1 (low) | 726 | 78.6 | 7,539 | 80.2 |
| 2 - 3 | 154 | 16.7 | 1,437 | 15.3 |
| 4+ (high) | 44 | 4.8 | 423 | 4.5 |
| Psychiatric Comorbidity | | | | |
| Yes | 255 | 27.6 | 2,948 | 31.4 |
| No | 669 | 72.4 | 6,451 | 68.6 |
| Number of ALC Days | | | | |
| None | 508 | 55.0 | 5,545 | 59.0 |
| 1 – 2 | 30 | 3.2 | 256 | 2.7 |
| 3 – 5 | 53 | 5.7 | 433 | 4.6 |
| 6 – 11 | 122 | 13.2 | 1,005 | 10.7 |
| 12+ | 211 | 22.8 | 2,160 | 23.0 |
| Number of Special Care Days | | | | |
| None | 440 | 47.6 | 4,529 | 48.2 |
| 1 – 2 | 73 | 7.9 | 730 | 7.8 |

| Characteristics | Central | | Ontario | |
|---|---------|------|---------|------|
| | N | Col% | N | Col% |
| 3 – 5 | 102 | 11.0 | 1,052 | 11.2 |
| 6 – 11 | 113 | 12.2 | 1,248 | 13.3 |
| 12+ | 196 | 21.2 | 1,840 | 19.6 |
| Motor Vehicle Collision | | | | |
| Yes | 232 | 25.1 | 2,203 | 23.4 |
| No | 692 | 74.9 | 7,196 | 76.6 |
| Number of Previous ABI Admissions | | | | |
| 0 | 670 | 72.5 | 6,706 | 71.3 |
| 1 | 208 | 22.5 | 2,097 | 22.3 |
| 2+ | 46 | 5.0 | 596 | 6.3 |
| Discharge Destination ¹ | | | | |
| Death | 91 | 9.8 | 890 | 9.5 |
| Home | 345 | 37.3 | 3,641 | 38.7 |
| Inpatient Rehabilitation | 277 | 30.0 | 2,303 | 24.5 |
| Long Term Care | 77 | 8.3 | 851 | 9.1 |
| Transferred ² | 130 | 14.1 | 1,677 | 17.8 |

Note: ¹ Missing values were excluded and thus, column percentages may not add up to 100%

² Transferred includes transferred to another facility providing inpatient hospital care and to other

Table 10. Characteristics of nTBI Patients Discharged with Extended Length of Stay in Acute Care, 2003/04 – 2009/10

| Characteristics | Central | | Ontario | |
|--|---------|------|---------|------|
| | N | Col% | N | Col% |
| Overall | 3,105 | 100 | 29,710 | 100 |
| Age | | | | |
| <19 | 282 | 9.1 | 2,315 | 7.8 |
| 19 – 54 | 630 | 20.3 | 6,357 | 21.4 |
| 55 – 64 | 529 | 17.0 | 5,387 | 18.1 |
| 65 – 74 | 668 | 21.5 | 6,511 | 21.9 |
| 75 – 84 | 740 | 23.8 | 6,807 | 22.9 |
| 85+ | 256 | 8.2 | 2,333 | 7.9 |
| Sex | | | | |
| Female | 1,515 | 48.8 | 14,355 | 48.3 |
| Male | 1,590 | 51.2 | 15,355 | 51.7 |
| Fiscal Year of Discharge | | | | |
| 2003/04 | 459 | 14.8 | 4,445 | 15.0 |
| 2004/05 | 426 | 13.7 | 4,273 | 14.4 |
| 2005/06 | 403 | 13.0 | 4,294 | 14.5 |
| 2006/07 | 388 | 12.5 | 4,039 | 13.6 |
| 2007/08 | 461 | 14.8 | 4,045 | 13.6 |
| 2008/09 | 473 | 15.2 | 4,251 | 14.3 |
| 2009/10 | 495 | 15.9 | 4,363 | 14.7 |
| Charlson Comorbidity Index Score | | | | |
| 0 – 1 (low) | 1,009 | 32.5 | 10,238 | 34.5 |
| 2 – 3 | 865 | 27.9 | 8,033 | 27.0 |
| 4+ (high) | 1,231 | 39.6 | 11,439 | 38.5 |
| Psychiatric Comorbidity | | | | |
| Yes | 602 | 19.4 | 6,413 | 21.6 |
| No | 2,503 | 80.6 | 23,297 | 78.4 |
| Number of ALC Days | | | | |
| None | 2,157 | 69.5 | 20,085 | 67.6 |
| 1 – 2 | 73 | 2.4 | 644 | 2.2 |
| 3 – 5 | 101 | 3.3 | 1,008 | 3.4 |
| 6 – 11 | 248 | 8.0 | 2,285 | 7.7 |
| 12+ | 526 | 16.9 | 5,688 | 19.1 |
| Number of Special Care Days | | | | |
| None | 1,907 | 61.4 | 18,596 | 62.6 |
| 1 – 2 | 195 | 6.3 | 1,958 | 6.6 |
| 3 – 5 | 202 | 6.5 | 2,025 | 6.8 |
| 6 – 11 | 247 | 8.0 | 2,454 | 8.3 |
| 12+ | 554 | 17.8 | 4,677 | 15.7 |
| Number of Previous ABI Admissions | | | | |
| 0 | 1,917 | 61.7 | 18,246 | 61.4 |
| 1 | 751 | 24.2 | 6,867 | 23.1 |
| 2+ | 437 | 14.1 | 4,597 | 15.5 |

| Characteristics | Central | | Ontario | |
|---|---------|------|---------|------|
| | N | Col% | N | Col% |
| Discharge Destination ¹ | | | | |
| Death | 856 | 27.6 | 7,645 | 25.7 |
| Home | 1,158 | 37.3 | 11,618 | 39.1 |
| Inpatient Rehabilitation | 324 | 10.4 | 2,930 | 9.9 |
| Long Term Care | 221 | 7.1 | 2,027 | 6.8 |
| Transferred ² | 534 | 17.2 | 5,418 | 18.2 |

Note: ¹ Missing values were excluded and thus, column percentages may not add up to 100%

² Transferred includes transferred to another facility providing inpatient hospital care and to other

Who is Readmitted to Acute Care within One Month of Discharge?

Table 11. Characteristics of TBI Patients Readmitted to Acute Care within One Month of Discharge, 2003/04 - 2008/09

| Characteristics | Central (N = 2,736) | | Ontario (N = 30,579) | |
|---|---------------------|------|----------------------|------|
| | N | Col% | N | Col% |
| Overall | 132 | 100 | 1,220 | 100 |
| Age | | | | |
| <19 | 26 | 19.7 | 199 | 16.3 |
| 19 – 54 | 18 | 13.6 | 386 | 31.6 |
| 55 – 64 | 36 | 27.3 | 144 | 11.8 |
| 65 – 74 | 16 | 12.1 | 160 | 13.1 |
| 75 – 84 | 27 | 20.5 | 235 | 19.3 |
| 85+ | 9 | 6.8 | 96 | 7.9 |
| Sex | | | | |
| Female | 34 | 25.8 | 360 | 29.5 |
| Male | 98 | 74.2 | 860 | 70.5 |
| Fiscal Year of Discharge | | | | |
| 2003/04 | 18 | 13.6 | 163 | 13.4 |
| 2004/05 | 37 | 28.0 | 238 | 19.5 |
| 2005/06 | 15 | 11.4 | 224 | 18.4 |
| 2006/07 | 21 | 15.9 | 190 | 15.6 |
| 2007/08 | 20 | 15.2 | 186 | 15.2 |
| 2008/09 | 21 | 15.9 | 219 | 18.0 |
| Length of Stay in Acute Care | | | | |
| 1 – 2 | 16 | 12.1 | 194 | 15.9 |
| 3 – 5 | 53 | 40.2 | 410 | 33.6 |
| 6 – 11 | 29 | 22.0 | 282 | 23.1 |
| 12+ | 34 | 25.8 | 334 | 27.4 |
| Charlson Comorbidity Index Score | | | | |
| 0 – 1 (low) | 116 | 87.9 | 1,068 | 87.5 |
| 2 - 3 | NR | . | 124 | 10.2 |
| 4+ (high) | <5 | . | 28 | 2.3 |
| Psychiatric Comorbidity | | | | |
| Yes | 35 | 26.5 | 277 | 22.7 |
| No | 97 | 73.5 | 943 | 77.3 |
| Number of ALC Days | | | | |
| None | 114 | 86.4 | 1,099 | 90.1 |
| 1 – 2 | <5 | . | 22 | 1.8 |
| 3 – 5 | <5 | . | 18 | 1.5 |
| 6 – 11 | <5 | . | 28 | 2.3 |
| 12+ | 6 | 4.5 | 53 | 4.3 |

| Characteristics | Central (N = 2,736) | | Ontario (N = 30,579) | |
|---|---------------------|------|----------------------|------|
| | N | Col% | N | Col% |
| Number of Special Care Days | | | | |
| None | 91 | 68.9 | 867 | 71.1 |
| 1 – 2 | 19 | 14.4 | 170 | 13.9 |
| 3 – 5 | 9 | 6.8 | 86 | 7.0 |
| 6 – 11 | <5 | . | 53 | 4.3 |
| 12+ | NR | . | 44 | 3.6 |
| Motor Vehicle Collision | | | | |
| Yes | 21 | 15.9 | 164 | 13.4 |
| No | 111 | 84.1 | 1,056 | 86.6 |
| Number of Previous ABI Admissions | | | | |
| 0 | <5 | . | 76 | 6.2 |
| 1 | 88 | 66.7 | 755 | 61.9 |
| 2+ | NR | . | 389 | 31.9 |
| Discharge Destination ¹ | | | | |
| Home | 103 | 78.0 | 911 | 74.7 |
| Inpatient Rehabilitation | 12 | 9.1 | 111 | 9.1 |
| Long Term Care | 10 | 7.6 | 54 | 4.4 |
| Transferred ² | 7 | 5.3 | 142 | 11.6 |

Note: NR = not reportable due to small cell size

¹ Missing values were excluded and thus, column percentages may not add up to 100%

² Transferred includes transferred to another facility providing inpatient hospital care and to other

Table 12. Characteristics of nTBI Patients Readmitted to Acute Care within One Month of Discharge, 2003/04 - 2008/09

| Characteristics | Central (N = 9,614) | | Ontario (N = 97,700) | |
|---|---------------------|------|----------------------|------|
| | N | Col% | N | Col% |
| Overall | 882 | 100 | 9,300 | 100 |
| Age | | | | |
| <19 | 168 | 19.0 | 1,569 | 16.9 |
| 19 – 54 | 247 | 28.0 | 2,688 | 28.9 |
| 55 – 64 | 179 | 20.3 | 1,904 | 20.5 |
| 65 – 74 | 165 | 18.7 | 1,794 | 19.3 |
| 75 – 84 | 104 | 11.8 | 1,144 | 12.3 |
| 85+ | 19 | 2.2 | 201 | 2.2 |
| Sex | | | | |
| Female | 378 | 42.9 | 4,165 | 44.8 |
| Male | 504 | 57.1 | 5,135 | 55.2 |
| Fiscal Year of Discharge | | | | |
| 2003/04 | 136 | 15.4 | 1,562 | 16.8 |
| 2004/05 | 110 | 12.5 | 1,492 | 16.0 |
| 2005/06 | 131 | 14.9 | 1,561 | 16.8 |
| 2006/07 | 179 | 20.3 | 1,578 | 17.0 |
| 2007/08 | 205 | 23.2 | 1,553 | 16.7 |
| 2008/09 | 121 | 13.7 | 1,554 | 16.7 |
| Length of Stay in Acute Care | | | | |
| 1 – 2 | 115 | 13.0 | 1,169 | 12.6 |
| 3 – 5 | 269 | 30.5 | 2,928 | 31.5 |
| 6 – 11 | 245 | 27.8 | 2,747 | 29.5 |
| 12+ | 253 | 28.7 | 2,456 | 26.4 |
| Charlson Comorbidity Index Score | | | | |
| 0 – 1 (low) | 224 | 25.4 | 2,425 | 26.1 |
| 2 - 3 | 255 | 28.9 | 2,642 | 28.4 |
| 4+ (high) | 403 | 45.7 | 4,233 | 45.5 |
| Psychiatric Comorbidity | | | | |
| Yes | 53 | 6.0 | 666 | 7.2 |
| No | 829 | 94.0 | 8,634 | 92.8 |
| Number of ALC Days | | | | |
| None | 843 | 95.6 | 8,812 | 94.8 |
| 1 – 2 | <5 | . | 73 | 0.8 |
| 3 – 5 | 10 | 1.1 | 97 | 1.0 |
| 6 – 11 | NR | . | 145 | 1.6 |
| 12+ | 16 | 1.8 | 173 | 1.9 |
| Number of Special Care Days | | | | |
| None | 721 | 81.7 | 7,802 | 83.9 |
| 1 – 2 | 100 | 11.3 | 921 | 9.9 |
| 3 – 5 | 32 | 3.6 | 324 | 3.5 |
| 6 – 11 | 21 | 2.4 | 152 | 1.6 |
| 12+ | 8 | 0.9 | 101 | 1.1 |

| Characteristics | Central (N = 9,614) | | Ontario (N = 97,700) | |
|---|---------------------|------|----------------------|------|
| | N | Col% | N | Col% |
| Number of Previous ABI Admissions | | | | |
| 0 | 10 | 1.1 | 92 | 1.0 |
| 1 | 349 | 39.6 | 3,220 | 34.6 |
| 2+ | 523 | 59.3 | 5,988 | 64.4 |
| Discharge Destination ¹ | | | | |
| Home | 810 | 91.8 | 8,234 | 88.5 |
| Inpatient Rehabilitation | 24 | 2.7 | 303 | 3.3 |
| Long Term Care | 13 | 1.5 | 146 | 1.6 |
| Transferred ² | 34 | 3.9 | 611 | 6.6 |

Note: NR = not reportable due to small cell size

¹ Missing values were excluded and thus, column percentages may not add up to 100%

² Transferred includes transferred to another facility providing inpatient hospital care and to other

ICD-10 Definitions of ABI

Table 13. ICD-10 Definition of TBI

| Diagnosis | ICD-10 Code and Description |
|--|--|
| 1. Fracture and crushing of the skull and facial bones | <ul style="list-style-type: none"> ✓ S02.0 Fracture of vault of skull ✓ S02.1 Fracture of base of skull ✓ S02.3 Fracture of the orbital floor ✓ S02.7 Multiple fractures involving skull and facial bones ✓ S02.8 Fractures of other skull and facial bones ✓ S02.9 Fractures of skull and facial bones, part unspecified ✓ S07.1 Crushing injury of skull |
| 2. Intracranial injury, excluding those with skull fracture | <ul style="list-style-type: none"> ✓ S06.0 Concussion ✓ S06.1 Traumatic cerebral oedema ✓ S06.2 Diffuse brain injury ✓ S06.3 Focal brain injury ✓ S06.4 Epidural hemorrhage ✓ S06.5 Traumatic subdural hemorrhage ✓ S06.6 Traumatic subarachnoid hemorrhage ✓ S06.7 Intracranial injury with prolonged coma ✓ S06.8 Other intracranial injuries ✓ S06.9 Intracranial injury, unspecified |
| <p>3. Late effects of injuries</p> <p>The "sequelae" include conditions specified as such or as late effects, or those present one year or more after onset of the causal condition.</p> | <ul style="list-style-type: none"> ✓ F07.2 Post concussion syndrome ✓ T90.2 Sequelae of fracture of skull and facial bones ✓ T90.5 Sequelae of intracranial injury |

Table 14. ICD-10 Definition of nTBI

| Diagnosis | ICD-10 Code and Description |
|---|--|
| 1. Toxic effect of substances, chiefly non-medical as to source | <ul style="list-style-type: none"> ✓ T40.5 Poisoning: cocaine ✓ T42.6 Poisoning by other antiepileptic and sedative-hypnotic drugs, Methaqualone, Valproic acid ✓ T51 Toxic effect of alcohol ✓ T56 Toxic effect of metals ✓ T57.0 Toxic effect of arsenic and its compounds ✓ T57.2 Toxic effect of manganese and its compounds ✓ T57.3 Toxic effect of hydrogen cyanide ✓ T58 Toxic effect of carbon monoxide ✓ T64 Toxic effect of aflatoxin and other mycotoxin food contaminants ✓ T65.0 Toxic effect of cyanides |
| 2. Anoxia | <ul style="list-style-type: none"> ✓ G93.1 Anoxic brain damage (includes all causes of anoxia except those occurring following abortions, ectopic pregnancy, labour and delivery and newborn) ✓ T71 Asphyxiation, suffocation (by strangulation) ✓ T75.1 Drowning and nonfatal submersion ✓ R09.0 Asphyxia |
| 3. Vascular insults (not captured in stroke analyses) | <ul style="list-style-type: none"> ✓ I62.0 Subdural hemorrhage ✓ I62.9 Unspecified intracranial hemorrhage |
| 4. Brain tumours | <ul style="list-style-type: none"> ✓ C70 Malignant neoplasm of brain ✓ C71 Malignant neoplasm of brain ✓ C79.3 Secondary malignant neoplasm of brain and cerebral meninges ✓ C79.4 Secondary malignant neoplasm of other and unspecified part of nervous system ✓ D32.0 Benign neoplasm of cerebral meninges ✓ D33.0 Benign neoplasm of brain, supratentorial ✓ D33.1 Benign neoplasm of brain, infratentorial ✓ D33.2 Benign neoplasm of brain, unspecified ✓ D33.3 Benign neoplasm of cranial nerves ✓ D42.0 Neoplasm of uncertain or unknown behaviour of cerebral meninges ✓ D43 Neoplasm of uncertain or unknown behaviour of brain and central nervous system ✓ D43.2 Neoplasm of brain, unspecified ✓ G06.0 Intracranial abscess and granuloma ✓ G06.1 Intraspinous abscess and granuloma ✓ G06.2 Extradural and subdural abscess, unspecified ✓ G07 Intracranial and intraspinal abscess and granuloma in disease classified elsewhere ✓ G93.0 Cerebral cysts |

| Diagnosis | ICD-10 Code and Description |
|---|---|
| 5. Encephalitis | <ul style="list-style-type: none"> ✓ A81.1 Subacute, sclerosing encephalitis ✓ A83.0 Japanese encephalitis ✓ A83.2 Eastern equine encephalitis ✓ A86.0 Unspecified viral encephalitis ✓ B00.4 Herpes viral meningoencephalitis ✓ B01.1 Varicella encephalitis ✓ B02.0 Zoster encephalitis ✓ B05.0 Postmeasles encephalitis ✓ B94.1 Sequelae of viral encephalitis ✓ G04.0 Acute disseminated encephalitis ✓ G04.2 Bacterial meningoencephalitis and meningomyelitis, not elsewhere classified ✓ G04.8 Other encephalitis, myelitis and encephalomyelitis ✓ G04.9 Encephalitis, myelitis, and encephalomyelitis, unspecified ✓ G05 Encephalitis, myelitis, and encephalomyelitis in diseases classified elsewhere ✓ G09 Sequelae of inflammatory diseases of central nervous system |
| 6. Metabolic encephalopathies | <ul style="list-style-type: none"> ✓ E10.0 (Type I) ✓ E11.0 (Type II) ✓ E13.0 Other specified diabetes mellitus with coma ✓ E14.0 Unspecified diabetes mellitus with coma ✓ E15 Nondiabetic hypoglycaemic coma ✓ G92 Toxic encephalopathy ✓ G93.4 Encephalopathy, unspecified |
| 7. Meningitis | <ul style="list-style-type: none"> ✓ A87 Viral meningitis ✓ B01.0 Varicella meningitis ✓ B37.5 Candidal meningitis ✓ G00 Bacterial meningitis, not elsewhere classified ✓ G01 Meningitis in bacterial diseases classified elsewhere ✓ G02 Meningitis in other infectious and parasitic diseases classified elsewhere ✓ G03 Meningitis due to other and unspecified causes |
| 8. Other brain disorders and infections | <ul style="list-style-type: none"> ✓ G91.0 Communicating hydrocephalus ✓ G91.1 Obstructive hydrocephalus ✓ G91.2 Normal-pressure hydrocephalus ✓ G93.2 Benign intracranial hypertension ✓ G93.5 Compression of brain ✓ G93.6 Cerebral oedema ✓ G93.8 Other specified disorders of the brain (including post-radiation encephalopathy) ✓ G93.9 Disorder of the brain, unspecified ✓ G99.8 Other specified disorders of nervous system in diseases classified elsewhere ✓ R29.1 Meningismus |