Table 3. Percentages of sample by total and age group defined as mild traumatic brain injury by 17 definitions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Definition Number | Definition\* | N totalN= 11,907*N (%)**[95% CI]* | Age 3-5 yearsN= 4641*N (%)**[95% CI]* | Age 6-11 yearsN= 4593*N (%)**[95% CI]* | Age 12-16 yearsN= 2673*N (%)**[95% CI]* |
|  | ***GCS Alone*** |  |  |  |  |
| 1 | Hollingworth31 | 11740 (98.6)[98.4- 98.8] | 4590 (98.9)[98.6- 99.2] | 4536 (98.8)[98.4- 99.1] | 2614 (97.8)[97.2- 98.3] |
| 2 | Pentland32 | 11756 (98.7)[98.5- 98.9] | 4597 (99.1)[98.7- 99.3] | 4542 (98.9)[98.5- 99.2] | 2617 (97.9)[97.3- 98.4] |
|  | ***GCS and Clinical Symptoms*** |  |  |  |  |
| 3 | Levin34 | 841 (7.1)[6.6- 7.5] | 122 (2.6)[2.2- 3.1] | 265 (5.8)[5.1- 6.5] | 454 (17.0)[15.6- 18.5] |
| 4 | Hawley34  (Using BSRM35 definition) | 883 (7.4)[7.0-7.9] | 127 (2.7)[2.3- 3.3] | 280 (6.1)[5.4-6.8] | 476 (17.8)[16.4-19.3] |
| 5 | Halley36 | 1599 (13.4)[12.8- 14.1] | 198 (4.3)[3.7- 4.9] | 567 (12.3)[11.4- 13.3] | 834 (31.2)[29.5- 33.0] |
| 6 | Babikan37 (Using AIS38 definition) | 2022 (17.0)[16.3- 17.7] | 413 (8.9)[8.1- 9.8] | 835 (18.2)[17.1- 19.3] | 774 (29.0)[27.2- 30.7] |
| 7 | Grubenhoff 39 | 2406 (20.2)[19.5- 20.9] | 371 (8.0)[7.2- 8.8] | 939 (20.4)[19.3- 21.6] | 1096 (41.0)[39.1- 42.9] |
| 8 | Yeates40-44 | 2542 (21.4)[20.6- 22.1] | 510 (11.0)[10.1- 11.9] | 1044 (22.7)[21.5- 24.0] | 988 (37.0)[35.1- 38.8] |
| 9 | Tham45 | 3786 (31.8)[31.0- 32.6] | 946 (20.4)[19.2- 21.6] | 1458 (31.7)[30.4- 33.1] | 1382 (51.7)[49.8- 53.6] |
| 10 | Gagnon46-48 (Using ACRM7 definition) | 3865 (32.5)[31.6-33.3] | 928 (20.0)[18.9- 21.2] | 1518 (33.1)[31.7- 34.4] | 1419 (53.1)[51.2- 55.0] |
|  | ***GCS, Clinical Symptoms and Neuroimaging*** |  |  |  |  |
| 11 | Roncadin49 | 1209 (10.2)[9.6- 10.7] | 253 (5.5)[4.8- 6.1] | 411 (9.0)[8.1- 9.8] | 545 (20.4)[18.9- 22.0] |
| 12 | Anderson50-53 | 2536 (21.3)[20.6- 22.0] | 653 (14.1)[13.1- 15.1] | 966 (21.0)[19.9- 22.2] | 917 (34.3)[32.5- 36.1] |
| 13 | Blinman54 | 2648 (22.2)[21.5-23.0] | 790 (17.0)[16.0-18.1] | 1057 (23.0)[21.8-24.3] | 801 (30.0)[28.2- 31.7] |
| 14 | Spencer55 | 5181 (43.5)[42.6- 44.4] | 1324 (28.5)[27.2- 29.9] | 2171 (47.3)[45.8- 48.7] | 1686 (63.1)[61.2- 64.9] |
| 15 | Luis56 | 11222 (94.3)[93.8- 94.7] | 4473 (96.4)[95.8- 96.9] | 4328 (94.2)[93.5- 94.9] | 2421 (90.6)[89.4- 91.7] |
|  | ***Clinical Symptoms Only*** |  |  |  |  |
| 16 | AbdelMalik57 (Using Geyde58 definition) | G2: 8008 (67.3)[66.4- 68.1]G3: 2119 (17.8)[17.1- 18.5]G4: 2035 (17.1)[16.4- 17.8] | G2: 3643 (78.5)[77.3- 79.7]G3: 631 (13.6)[12.6- 14.6]G4: 229 (4.9)[4.3- 5.6] | G2: 3092 (67.3)[65.9- 68.7]G3: 845 (18.4)[17.3- 19.6]G4: 814 (17.7)[16.6- 18.9] | G2: 1273 (47.6)[45.7-49.5]G3: 643 (24.1)[22.5-25.7]G4: 992 (37.1)[35.3- 39.0] |
| 17 | Korinthenberg59 | 9879 (83.0)[82.3-83.6] | 4080 (87.9)[86.9-88.8] | 3800 (82.7)[81.6- 83.8] | 1999 (74.8)[73.1-76.4] |

AIS= Abbreviated Injury Scale, ACRM= American Congress of Rehabilitation Medicine, BSRM= British Sports of Rehabilitation Medicine,

\*definition named for primary author