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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Definition Number | Definition\* | N total  N= 11,907  *N (%)*  *[95% CI]* | Age 3-5 years  N= 4641  *N (%)*  *[95% CI]* | Age 6-11 years  N= 4593  *N (%)*  *[95% CI]* | Age 12-16 years  N= 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