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| **Table 4. Concussion information sources descriptive statistics for collegiate student-athletes** |
| **Sources** | **n (%) used concussion information source** |
| **All sports** |  | **Football only** |
| **All SA (n=768)** | **White SA (n=634)** | **Black SA (n=134)** | **p-valuea** |  | **All football SA (n=196)** | **White football SA (n=115)** | **Black football SA (n=81)** | **p-valuea** |
| Did not use any sources | 95 (12.4) | 73 (11.5) | 22 (16.4) | 0.15 |  | 27 (13.8) | 16 (13.9) | 11 (13.6) | >0.99 |
|  |  |  |  |  |  |  |  |  |  |
| Family member | 319 (41.5) | 270 (42.6) | 49 (36.6) | 0.21 |  | 86 (43.9) | 52 (45.2) | 34 (42.0) | 0.66 |
|  |  |  |  |  |  |  |  |  |  |
| School-based professionalb | 532 (69.3) | 457 (72.1) | 75 (56.0) | <0.001 |  | 122 (62.2) | 76 (66.1) | 46 (56.8) | 0.23 |
|  |  |  |  |  |  |  |  |  |  |
| Medical professionalc | 601 (78.3) | 501 (79.0) | 100 (74.6) | 0.30 |  | 159 (81.1) | 94 (81.7) | 65 (80.2) | 0.85 |
|  Athletic trainer | 561 (73.0) | 467 (73.7) | 94 (70.1) | 0.45 |  | 150 (76.5) | 89 (77.4) | 61 (75.3) | 0.74 |
|  Sports medicine physician | 251 (32.7) | 209 (33.0) | 42 (31.3) | 0.76 |  | 78 (39.8) | 49 (42.6) | 29 (35.8) | 0.38 |
|  Other physiciand | 223 (29.0) | 197 (31.1) | 26 (19.4) | 0.006 |  | 45 (23.0) | 30 (26.1) | 15 (18.5) | 0.23 |
|  Neuropsychologist/psychologist | 47 (6.1) | 41 (6.5) | 6 (4.5) | 0.55 |  | 12 (6.1) | 9 (7.8) | 3 (3.7) | 0.37 |
|  Chiropractor | 53 (6.9) | 45 (7.1) | 8 (6.0) | 0.85 |  | 11 (5.6) | 9 (7.8) | 2 (2.5) | 0.13 |
|  Nurse | 92 (12.0) | 73 (11.5) | 19 (14.2) | 0.38 |  | 27 (13.8) | 12 (10.4) | 15 (18.5) | 0.14 |
|  |  |  |  |  |  |  |  |  |  |
| Sport stakeholderc | 445 (57.9) | 376 (59.3) | 69 (51.5) | 0.10 |  | 124 (63.3) | 73 (63.5) | 51 (63.0) | >0.99 |
|  Coach | 445 (57.9) | 376 (59.3) | 69 (51.5) | 0.10 |  | 124 (63.3) | 73 (63.5) | 51 (63.0) | >0.99 |
|  Referee | 34 (4.4) | 23 (3.6) | 11 (8.2) | 0.03 |  | 15 (7.7) | 9 (7.8) | 6 (7.4) | >0.99 |
|  |  |  |  |  |  |  |  |  |  |
| Mass mediac | 405 (52.7) | 346 (54.6) | 59 (44.0) | 0.03 |  | 105 (53.6) | 66 (57.4) | 39 (48.1) | 0.24 |
|  Online medical sourcese  | 179 (23.3) | 158 (24.9) | 21 (15.7) | 0.02 |  | 50 (25.5) | 34 (29.6) | 16 (19.8) | 0.14 |
|  Movies or booksf  | 262 (34.1) | 219 (34.5) | 43 (32.1) | 0.62 |  | 83 (42.3) | 54 (47.0) | 29 (35.8) | 0.14 |
|  Social mediag  | 264 (34.4) | 225 (35.5) | 39 (29.1) | 0.16 |  | 71 (36.2) | 45 (39.1) | 26 (32.1) | 0.37 |
|  Sports news outlets (online, TV, radio, or paper)h  | 249 (32.4) | 209 (33.0) | 40 (29.9) | 0.54 |  | 70 (35.7) | 41 (35.7) | 29 (35.8) | >0.99 |
|  General news outlets (online, TV, radio, or paper)i  | 156 (20.3) | 134 (21.1) | 22 (16.4) | 0.24 |  | 49 (25.0) | 32 (27.8) | 17 (21.0) | 0.32 |
|  Other online sourcesj | 117 (15.2) | 103 (16.2) | 14 (10.4) | 0.11 |  | 31 (15.8) | 21 (18.3) | 10 (12.3) | 0.32 |
|  |  |  |  |  |  |  |  |  |  |
| Policy/Organizationc | 416 (54.2) | 353 (55.7) | 63 (47.0) | 0.07 |  | 111 (56.6) | 69 (60.0) | 42 (51.9) | 0.31 |
|  Recreational league administration or league mandated paperwork | 72 (9.4) | 59 (9.3) | 13 (9.7) | 0.87 |  | 25 (12.8) | 15 (13.0) | 10 (12.3) | >0.99 |
|  High School Athletic Association from home state | 221 (28.8) | 183 (28.9) | 38 (28.4) | >0.99 |  | 72 (36.7) | 43 (37.4) | 29 (35.8) | 0.88 |
|  National Collegiate Athletic Association (NCAA) | 362 (47.1) | 313 (49.4) | 49 (36.6) | 0.008 |  | 93 (47.4) | 63 (54.8) | 30 (37.0) | 0.02 |
|  Youth sport state concussion laws | 43 (5.6) | 32 (5.0) | 11 (8.2) | 0.15 |  | 13 (6.6) | 7 (6.1) | 6 (7.4) | 0.78 |
| a Fisher's exact test compares proportions of White versus Black student-athletes that used concussion information sources |
| b e.g., school nurse, teacher, gym/health teacherc n (%) for these rows represent the number and percentage that used at least one of the concussion information sources below it (e.g., among total sample of 768, 601 (78.3%) used at least one of the medical professionals listed d e.g., family doctor, pediatrician |
| e e.g., CDC Heads Up, Mayo Clinic, WebMD |
| f e.g., Concussion (2015), League of Denial (2013), Friday Night Lights (2004) |
| g e.g., Facebook, Twitter, Instagram |
| h e.g., ESPN, Sports Illustrated, Bleacher Report, SBNation |
| i e.g., ABC, NBC, CBS, CNN |
| j e.g., Wikipedia, general Google searches, blogs |