NCAA CONCUSSION STUDY: BY THE NUMBERS

In May 2014, the NCAA and U.S. Department of Defense launched a landmark initiative to enhance the safety of athletes and service members. This included the most comprehensive study of concussion ever conducted. The research is managed by the Concussion Assessment, Research and Education (CARE) Consortium, with 21 participating universities enrolling all male and female student-athletes in the study.

Additionally, the Mind Matters Challenge called for education and research submissions from academic institutions and the private sector to help change the culture of concussion reporting and management.

$30 MILLION
NCAA-Department of Defense Grand Alliance

$23 MILLION
for CARE Consortium

$7 MILLION
for Mind Matters Challenge
(six educational winners and up to 10 research winners)

CONCUSSION DATA

Nearly 1,700 concussions studied to date. Previously, a large concussion study was considered to be 20 concussions. Student-athletes from every sport are represented.

30 PERCENT
of concussions studied are in females

CONCUSSION FIGURES

College athletes suffered an average of 10,500 concussions for the past five years, of which approximately 3,400 occurred in football. American service members have suffered more than 320,000 brain injuries since 2000, and more than 80 percent have occurred outside of combat. It's estimated that between 1.6 million and 3.8 million recreation-related concussions occur annually nationwide.

THE HARDEST HITS

The annual national estimate of reported concussion rates in NCAA sports during the 2009-10 to 2013-14 academic years.

<table>
<thead>
<tr>
<th>Sport</th>
<th>Rate per 10,000 athletic exposures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Women's Soccer</td>
<td>6.3</td>
</tr>
<tr>
<td>Football</td>
<td>6.7</td>
</tr>
<tr>
<td>Women's Ice Hockey</td>
<td>7.5</td>
</tr>
<tr>
<td>Men's Ice Hockey</td>
<td>7.9</td>
</tr>
<tr>
<td>Wrestling</td>
<td>10.9</td>
</tr>
</tbody>
</table>

*Source: Dataryl, a firm that tracks NCAA injury data

Each student-athlete undergoes baseline testing before the season and then data are collected again at specific intervals after he or she suffers a concussion.

SIX months post-injury

SIX hours after concussion

24-48 hours

SEVEN days after return to play

Start of return-to-play protocol

Upon return to play

NCAA is a trademark of the National Collegiate Athletic Association.