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reported; 83% (467/565) occurred during practice, 52% (296/565) occurred while

the cheerleader was attempting a stunt, and 24% (132/563) occurred while the cheerleader was basing or spotting 1 or more cheerleaders. Lower extremity injuries (30%, 168/565) and strains and sprains (53%, 302/565) were most common. Collegiate cheerleaders were more likely to sustain a concussion (P = .01, rate ratio [RR] = 2.98, 95% confidence interval [CI] = 1.34, 6.59), and All Star cheerleaders were more likely to sustain a fracture or dislocation (P = .01, RR = 1.76, 95% CI = 1.16, 2.66) than were cheerleaders on other types of teams. Overall

injury rates for practices, pep rallies, athletic events, and cheerleading competitions were 1.0, 0.6, 0.6, and 1.4 injuries per 1000 athlete-exposures,

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respectively.

**Conclusions:** We are the first to report cheerleading injury rates based on actual exposure data by type of team and event. These injury rates are lower than those reported for other high school and collegiate sports; however, many cheerleading injuries are preventable.

## Keywords: injury rates, injury epidemiology, trauma, accidents, athletes

Brenda J. Shields, MS, contributed to conception and design; acquisition and analysis and interpretation of the data; and drafting, critical revision, and final approval of the article. Gary A. Smith, MD, DrPH, contributed to conception and design and critical revision and final approval of the article.

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## Cited by

Brenda J. Shields, Soledad A. Fernandez, and Gary A. Smith. (2009) Epidemiology of Cheerleading Stunt-Related Injuries in the United States. *Journal of Athletic Training* **44**:6, 586-594

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Brenda J. Shields and Gary A. Smith. (2009) Epidemiology of Cheerleading Fall-Related Injuries in the United States. *Journal of Athletic Training* **44**:6, 578-585 Online publication date: 1-Nov-2009. Abstract | Full Text | PDF (352 KB)

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