

Painful truths about genital injuries

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A comprehensive survey of genital injuries over the last decade involving mishaps with consumer products like clothing, furniture, tools and toys that brought U.S. adults to emergency rooms reveals that such injuries are common and may be preventable, according to doctors at the University of California, San Francisco (UCSF).

The study, described this week in *The [Journal of Urology](#)*, was the largest ever to look at major and minor "genitourinary" injuries, which involve the genitals, urinary tract and kidneys. It showed that 142,144 U.S. adults went to emergency rooms between 2002 and 2010 for such injuries – about 16,000 a year.

The work suggests educational and product safety approaches for preventing these injuries may be possible because the injuries themselves tended to cluster into particular [age groups](#) and involve specific consumer products.

"It shows which groups are at risk and with which products," said UCSF [urologist](#) Benjamin Breyer MD, MAS, who led the research.

Most of the patients in the study – about 70 percent – were men, and more than a third were young men (18-28), who tended to hurt themselves most often in sporting accidents – crashing onto the crossbar of a mountain bike, for instance.

[Older men](#) were more likely to sustain genital injuries during routine activities, such as slipping into a split and hitting their groin on the edge

of the [bathtub](#). They were also more likely to be hospitalized for their injuries.

While women were overall less likely to endure genital injuries than their male counterparts, there was at least one exception: cuts and infections related to shaving or grooming pubic hair.

The last few years have seen a dramatic increase in these types of injuries in women, and a second study that was recently published by the same UCSF group found that these types of injuries increased five-fold between 2002 and 2010.

Breyer said insight into the common ways injuries occur may also suggest the most fruitful ways to prevent them through consumer education and product safety measures, such as padding on bike rails, slip-free bath mats and safer techniques for grooming pubic hair.

In their paper, the UCSF team noted that there are also standard procedures that emergency department doctors would do well to learn, such as "zipper detachment strategies for penile skin entrapment."

How the Injuries were Counted

The data was collected through the National Electronic [Injury](#) Surveillance System (NEISS), a service of the U.S. Consumer Product Safety Commission. The system collects extensive patient information from 100 hospitals nationwide and uses this data to extrapolate nationwide estimates of injuries that occur each year. The system also collects short narrative descriptions of the injuries, and the UCSF team reviewed more than 10,000 of these narratives to produce studies looking at pediatric and adult injuries.

While the data was extensive, it may underestimate the number of

injuries, Breyer said, because only those injuries that brought patients to the emergency room were in the database. Many more may have occurred that were not serious enough to warrant a hospital visit.

Even those injuries collected by the NEISS tended to be minor, the study found. About 90 percent of the patients tracked were seen by hospital staff and released, rather than being admitted into the hospital – though some, especially those involving internal injuries to the kidney, were much more serious.

More information: The article, "Product Related Adult Genitourinary Injuries Treated in United States Emergency Departments from 2002 – 2010" by Herman S. Bagga, Gregory E. Tasian, Patrick B. Fisher, Charles E. McCulloch, Jack W. McAninch and Benjamin N. Breyer was published on November 2, 2012 in *The Journal of Urology*. See: [dx.doi.org/10.1016/j.juro.2012.10.122](https://doi.org/10.1016/j.juro.2012.10.122)

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