Paediatric trauma and safety in the media: An audit of its coverage in a South African broadsheet

Jennifer M L Hon, BA
University of Edinburgh, UK

A B (Sebastian) van As, MB ChB, MBA, FCS (SA), PhD
Trauma Unit and Child Accident Prevention Foundation of Southern Africa, Red Cross War Memorial Children’s Hospital, Institute of Child Health, University of Cape Town

Corresponding author: A B van As (Sebastian.vanAs@uct.ac.za)

Objectives. In view of the high rate of paediatric trauma in South Africa, we investigated how much attention – and of what nature – was given in printed media to these incidents, and to the broader subject of child safety.

Methods. Over 4 months, every article in the Cape Argus and Weekend Argus that pertained to either: (i) a traumatic incident involving at least one child under the age of 13; or (ii) other issues involving child safety, was collected. With each article, the number of columns and pictures published was recorded and used as a gauge of media attention. Traumatic incidents were categorised by cause, and the media attention dedicated to each of these was compared with actual admission figures to the Trauma Unit at the Red Cross War Memorial Children’s Hospital, the only dedicated unit for children in Cape Town.

Results. Ninety-five articles met the inclusion criteria: 61 (64%) reported incidents involving paediatric trauma, 29 (31%) were related to child safety, and 5 (5%) covered both. Of the articles that reported specific incidents, non-accidental injuries were the most frequently published (68%), and of these sexual assault was by far the most written-about cause (52% of total incidents published). However, non-accidental injuries accounted for only 4% of total trauma admissions at Red Cross Hospital, behind almost every other cause of paediatric trauma including motor vehicle accidents (15% of admissions).

Conclusions. Media attention given to different causes of paediatric trauma is significantly skewed. From a prevention perspective, it would be more appropriate to give greater emphasis to motor vehicle accidents, in line with actual figures for paediatric trauma admissions.

Materials and methods

Between 22 January 2008 and 13 May 2008 one person compiled all the articles pertaining to paediatric trauma and child safety from the Cape Argus and Weekend Argus newspapers. This is a daily broadsheet with a readership of 392 000, 93% of whom live in the Cape Town metropolitan area. JMLH read all of the compiled articles and further selected those that fitted the following inclusion criteria: incident reports of trauma that involved at least one child under the age of 13, or articles on issues that directly involved childhood safety. For every article that fitted the inclusion criteria, we recorded two measures of media attention given to the story: the number of columns written and number of pictures published.

We classified reports relating to paediatric trauma into non-accidental injuries (NAIs), further subdivided into sexual assault, physical assault, intentional burn, use of firearm or a combination of methods; motor vehicle accidents (MVAs), subdivided into MVA pedestrian, MVA passenger, or both, and other (other transport accidents, burns, falls, drownings, caught in crossfire, dog attacks). We also recorded the outcome of the event where this was death (either accidental or non-accidental). These figures were compared with admission figures for Red Cross War Memorial Children’s Hospital, Cape Town, during the same period over which the newspaper articles were published.

For articles that related to child safety, we re-read the items and categorised them by slant (criticism of the government, call for further action, etc.) and theme (sexual assault, physical assault, etc.). We then compared these categories by frequency and number of columns and pictures.
Results

Data characteristics

Of the newspaper articles, 95 fitted the inclusion criteria: 61 (64%) were related to paediatric trauma events, 29 (31%) reported on an issue of child safety, and 5 (5%) covered both functions. Overall, the median number of columns was 3 (range 1 - 8) and the median number of pictures was 1 (range 0 - 3). Although articles with reference to specific paediatric trauma events had a larger number of pictures on average (median 1 compared with 0 for non-incident reports), more was written in reports on childhood safety (median 4 columns compared with 3 for trauma articles).

Traumatic incidents

Fig. 1 shows the number of articles published that related to an incident of paediatric trauma (N=66). NAI forms the majority of the reports (N=45, 68%), with sexual assault being the commonest subject of publication (N=34, 52% of all trauma incident reports). However, many of these articles followed the same case; 34 articles reported on 16 separate cases of child sexual assault. The greater media attention given to cases of NAI was also reflected in the higher average number of columns (median 3) compared with MVAs (median 2.5) and other accidents (median 2). However, MVA articles had the same median number of pictures (1) as NAI, and both had a higher average than other accidents (median 0).

Of the emergency admissions to the Red Cross Children's Hospital during the same period over which the articles were published, NAIIs formed just 4% of total trauma admissions, behind falls (51%), MVAs (15%), being accidentally struck by/against an object (11%), foreign bodies (9%) and burns (8%). Only injuries caused by sharp instruments fell behind NAIIs, at 3% (Red Cross Children's Hospital trauma admissions, 22 January - 13 May 2008 – personal correspondence with Giovanna Adams from the Child Accident Prevention Foundation of South Africa (CAPFSA)).

Of the articles 71% (N=47) had an outcome of death, either accidental or non-accidental. However, the average number of columns and pictures in these articles was not significantly higher (median columns 3; median pictures 1) than in those reporting on cases that did not result in death (median columns 3; median pictures 0).

Child safety articles

Fig. 2 shows the relative frequency of the different categories of articles relating to child safety, classified by slant and theme. The most common slant was criticism of the government (30%). Only one article (3%) was educational, explaining basic first aid for parents (Fig. 3), although 4 (11%) did advocate improved parental supervision and vigilance. The most common theme of the child safety articles was school crime/safety (51%). Despite the fact that sexual assault featured heavily in the articles related to traumatic incidents, only 10 articles (29%) wrote more generally about this issue. The slant that had the highest median number of columns (7) was advocacy for parental responsibility/vigilance. Three categories of theme shared the highest median number of columns (4.5): sexual assault, physical injury and other.

![Fig. 1. Number of articles published relating to paediatric trauma (N=66), classified by cause of injury. ( ‘Combination’ of NAI included a case of sexual assault, physical assault, and the child being set alight, and an article in which multiple victims of different forms of violence were reported.)

![Fig. 2. The distribution of articles relating to child safety (N=34), classified by a) slant and b) theme. (Three articles fell into two categories for slant, and one article fell into two categories for theme. ‘Other’ includes support services for children, amusement park safety, house fires and first aid.)
Discussion

We found that paediatric trauma is an issue to which the South African media clearly pays attention, although the focus has been on reporting individual cases of trauma rather than more general issues surrounding childhood safety. The finding that NAI, particularly sexual assault, is the most commonly reported story despite being one of the least common causes of paediatric trauma admission, and the fact that in 71% of events reported a child had died, indicates that the public are presented with a very skewed portrayal of paediatric trauma.

The results also demonstrate a disparity between the specific trauma events reported on and the issues discussed in the child safety articles: despite sexual assault being the most commonly published story (52%), only 29% of child safety reports address this concern. Likewise, although school crime and safety featured heavily in the period of audit (51%), only 5 articles (8%) reported a trauma event that occurred at school or during school hours.

Role of the media

Newspapers with a broad readership such as the Cape Argus have a responsibility to society to report the most pertinent current issues. However, they also have an ability to influence our culture: in addition to the fact that NAI is simply over-exaggerated in the press, it can be argued that the high levels of coverage that this currently receives may make the public more accepting of violence, even though the opposite effect is clearly desired. One proposal is that through more judicious use of coverage, the media would be able to reverse the current trend in desensitising individuals to violent crime involving children. Additionally, de-emphasising NAI would present a more accurate view of paediatric trauma: MVAs are a much more common cause of admission to trauma units, yet they received less than a quarter of the media attention paid to NAI. Furthermore, MVAs are for the most part avoidable, and it is in the interests of public health that there should be greater coverage of this topic, especially as MVAs are the reported cause of 26 - 40% of childhood deaths in Africa.

The WHO Safe Community model stipulates that all levels of the community must contribute to preventing unintentional injuries. In the areas in which this model has been implemented, local mass media provide regular information about injury prevention alongside other measures targeted at specific populations within the community. These interventions have resulted in a significantly lower relative risk for child injury in the intervention community than in a control community. To improve child safety in South Africa, more media attention should ideally be given to educating parents about the prevention of accidents and advocating greater parental responsibility for the safety of their children. It is disappointing that only 14% of the articles addressing child safety in this study focused on these issues. However, we should acknowledge that media reporting is inherently biased and selective owing to the vast influence of market forces. In the short term at least it may be more valuable for child advocacy bodies and charities to invest their efforts into investigating what other evidence-based prevention strategies work, and establishing mechanisms to scientifically evaluate...
their progress once they have been implemented. Both community-wide and specifically targeted approaches will be required to provide a safer community in which to raise our children.

**Conclusion**

The public are presented with a skewed portrayal of paediatric trauma through the media. In the interests of public health, greater media attention should be given to the preventable accidents such as MVAs that form a relatively large burden of trauma admissions. Articles that advocate vigilance and proper parental supervision, and those that educate parents in simple accident management, are important in tackling paediatric trauma and should be published more frequently, but efforts also need to be invested in developing and implementing non-commercial strategies for preventing paediatric trauma.

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**References**