

and a large spectrum of track users involved. Finnish Rescue service has a major partnership project that enables a completely new way to co-operate on safety related matters national wide.

Methods Mx Safety will collect and share the information regarding safety issues and is also developing tools to promote safety. Mx Safety does involve track users to recognise risks and encourage them to make improvements towards safer training conditions.

The most visible project at the moment is basic safety sign standardisation for off road tracks.

National Rescue Service co-operation offers a great opportunity to get national wide risk management, rescue and emergency guidelines for all tracks.

Results An overview of MX Safety signs was first introduced at Motorcycle Show 2015 in Helsinki, in cooperation with the MX Safety project, the cooperative network of emergency services (Pelastuslaitosten Kumppanuusverkosto) and the Finnish Motorcycling Federation. The Finnish Motorcycling Federation (SML) motocross commission has confirmed that MX Safety signs will be introduced at all Finnish motocross tracks latest during 2016. By following common guidelines and best practices and deficiencies motorcycling clubs are able to prevent significant amount of accidents. All tracks users must commit to compliance with common rules. Signs has been translated already in English, Latvian and French languages.

Conclusions Each country is welcome to work together to promote safety.

975 GEOSPATIAL ANALYSIS OF SPORTS AND LEISURE INJURY HOSPITALISATIONS IN VICTORIA, AUSTRALIA

Himalaya Singh, Lauren V Fortington, Helen Thompson, Rochelle Eime, Caroline Finch
Federation University Australia.

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Background Sports injuries are identified as a major public health problem in Australia and around the world. Sports injury prevention strategies and policy development relies on information about when, where, to whom and how sports injuries occur at a population level. The aim of this research is to investigate the geographical distribution of sports and leisure injuries and to identify populations who are at greatest risk of injury.

Methods Data on sports and leisure injury hospitalisations were obtained from the Victorian Injury Surveillance Unit for the years 2005–2011, inclusive. Population-standardised sports and leisure injury hospitalisation rates were calculated for each Local Government Area (LGA). The geographical distribution was investigated using Global Moran's I statistics. G_i^* statistics were used to identify statistically significant clustering of high and low values of hospitalisation rates, both overall and for specific activity groups.

Results Mapping by LGA showed a spatial variability in the distribution of injury hospitalisation rates. The Global Moran's I value suggested that hospitalisation rates in Victoria by LGA were spatially clustered. The G_i^* statistics showed a statistically significant clustering of high values for overall hospitalisation rates in the south-western region of Victoria. Similarly, clustering of high values for team ball sports and wheeled motor sports were identified in the western and south-east regions of Victoria, respectively.

Conclusions This study demonstrates that geospatial analysis can be used for better understanding of the population at risk of

sport and leisure injury. Findings suggest that priority geographical areas for sports injury prevention can differ depending on the type of sporting activity. These findings will provide a strong evidence base for the strategic planning, development and delivery of sports and leisure injury prevention programs.

976 MULTIPLE INJURIES IN TEAM BALL SPORTS – HOW ARE DATA COLLECTED AND ANALYSED? A SYSTEMATIC REVIEW

¹Lauren Fortington, ¹Caroline Finch, ²Inge van den Akker-Scheek, ²Henk van der Worp.
¹Federation University Australia, Australia; ²University of Groningen, Netherlands

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Background A major challenge in sports injury research is that many athletes experience multiple injuries, therefore contributing more than once to the injury tally. Capturing this multiple individual contribution in estimates of sports injury incidence is difficult. The aim of this study is to report how >1 individual injury is defined and reported in prospective, long term, sports injury epidemiology studies in team ball sports.

Methods The review was performed and reported according to the Preferred Reporting Items for Systematic Reviews and Meta-analyses (PRISMA) Statement with a systematic search in 3 databases to August 2014. Studies were included if all types of injury were reported in team ball sport participants, with data collected prospectively over >1 calendar year or two consecutive sporting seasons. Details on injury definitions, with attention to multiple injuries, were independently extracted by two authors.

Results From 6518 studies, 54 met all inclusion criteria. Injuries or injured players tend to be pooled (grouped) over the whole time period and injury incidence reported as an overall total or annual counts/rates. Both options ignore the potential relationship between injuries sustained by the same individual, within or across seasons. Summarised injury data for the whole cohort was presented even though data collection was in individuals that could have facilitated a more detailed exploration of the relationships between subsequent injuries within those individuals.

Conclusions The way data have been reported in previous sports injury epidemiological studies significantly hinders the ability to provide robust evidence about subsequent injuries. Both an underreporting of new injury incidence and overestimation of injury recurrence can occur if there is no reporting of multiple/subsequent injuries. Ultimately, injury prevention efforts rely on accurate incidence estimates and ongoing developments in this area can only enhance the field.

977 SPORTS AND EXERCISE SAFETY IN FINLAND LIVE – AN IMPLEMENTATION PROGRAM TO SPORT CLUBS AND SCHOOLS

J Parkkari, K Pasanen, A-M Jussila, R Oksanen, A Ojala, K Autio, P Kannus.
Tampere Research Centre of Sports Medicine, UKK Institute, Finland

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Background Number of sports injuries has increased in Finland during the past decades. Today sports injuries are the most common injury type. Children, youth and especially young men are at high risk.

Objective The purpose of the LiVE program is to increase safety of sports and exercise in a nationwide setting.

Results Implementation of the national and international study findings are conducted in three main projects; Healthy Athlete (2006-), Safety in School Sports (2010-) and Smart Moves (2014-). The primary target groups are young athletes, their coaches and parents, elementary and vocational school pupils and their teachers. Programs main communication channels are websites: www.terveurheilija.fi, www.tervekoululainen.fi and www.smartmoves.fi.

The program has educated over 80 tutors and 50 sport nutritionist. The Tutor Network and Sport Nutrition Society share the same education materials and injury prevention strategies. Purposes of networks are to implement preventive strategies against sport injuries among target groups by offering education and counselling by local experts. LiVE program has also introduced itself to projects' target groups in numerous events and organised several seminars. LiVE websites and expert intranet offers a large source of information and practical tools.

Conclusion Successful development and implementation of preventive strategies against sports injuries are likely to reduce athletes' health problems, sport, work and school absenteeism, and medical costs. The effects of the LiVE programme will be seen within five to ten years.

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978 SMART MOVES – MORE HEALTHY AND SAFE ACTIVITIES IN VOCATIONAL SCHOOLS

Autio Katariina, Jussila Anne-Mari, Parkkari Jari. *Tampere Research Centre of Sports Medicine, UKK Institute, Finland*

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Background The Sports and Exercise Safety in Finland -program (LiVE) began in 2006. The aim of the LiVE is to reduce sport injuries. LiVE has three different projects: Healthy Athlete 2006-, TEKO - Safety in School Sports 2010-, Smart Moves 2014-. The program is coordinated by the Tampere Research Centre of Sports Medicine at the UKK Institute.

There is a great deal of polarisation in the lifestyles and overall health knowledge of vocational school students. In addition, every year approximately 350,000 sports injuries occur in Finland and the trend is increasing. Young men in particular are at risk. Up to 50% of the injuries could be prevented.

Objective The Smart Moves project targets 16 to 19 year old vocational students with the aim of

- increasing healthy and safe physical activity
- reducing sedentary behaviour
- preventing sports and leisure time accidents and overuse injuries.

Results Smart Moves will increase the safety of sports and leisure time activities

- by producing diverse and encouraging fact-based material to vocational schools
- by developing practical tools together with physical activity and safety experts and students
- by spreading information to schools through various events and campaigns.

The project will produce material that will be available to anyone online free of charge. The main target group for the material are vocational school teachers and students. The Smartmoves.fi website has been designed to be part of a school's everyday activities and it is connected to the curriculum at a practical level.

Conclusion The project website is expected to be completed by the end of 2016. Smart Moves projects implementation with vocational teachers has begun and it will increase during the year 2016. Projects evaluation will be done after the active project phase at the end of 2016.

The Smart Moves project is funded by the Ministry of Social Affairs and Health.

sport safety, physical activity, sedentary behaviour, vocational schools

Intimate Partner Violence

Post Wed 3.7

979 ONE-STOP CRISIS MANAGEMENT CENTRES (OCMCS): A SANCTUARY FOR SURVIVORS OF VIOLENCE

Rekha Rana. *Nepal Health Sector Support Program, Ministry of Health and Population (MHP) Nepal*

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Background Over the last three years, the MoHP has established sixteen OCMCs in sixteen districts cross Nepal. Each OCMC aims to provide an integrated package of services for survivors of intimate partner violence through a 'one-door' system. OCMCs are designed to follow a multi-sectoral and locally coordinated approach to provide survivors with a comprehensive range of services including health care, psycho-social counselling, access to safe homes, legal protection, personal security and vocational skills training.

Methods Reports, monitoring visits, national level annual review with stakeholders inclusive of hospitals, Police, Attorney, Ministry of Women, MoHP, Chief District Officers, Representatives from Prime Ministers and Counsel of Ministers, I/NGOs and survivors.

Results The district report showed that from October 2013 - October 2014, OCMCs have provided essential services required by survivors with 2,273 individuals (2,133 (94%) women and 140 (6%) men) accessing services. A high percentage of women receiving services (53.6%) were victims of intimate partner violence, while 26% had experienced sexual violence. 16% had suffered extreme mental abuse and 4.8% 'other types of violence (trafficking, child marriages). The breakdown of data by age-group shows that violence is common among women between the ages of 15 and 49 years with 1645 women in this category, suggesting married women as the prime targets.

Conclusions OCMCs are a new and challenging initiative. The challenges can be overcome through improved awareness raising activities; capacity building; survivor follow-up; improved screening and coordinating strategies; and more social protection activities. Supporting the establishment of OCMCs in all 75 districts is essential.