OVERALL, REGION- AND TISSUE-SPECIFIC INJURY RATES UNDERSTANDING HEALTH PROBLEMS OF BASKETBALL INJURY PREVALENCE IN DUTCH HANDBALL OVER THE SEASON 2018–2019

**Participants** 13 semi-structured interviews with Maltese female and male national team football players (n=7), coaches (n=3), and health professionals (n=3) were conducted. Data were analysed inductively using thematic analysis.

**Results** Three themes were identified: (1) *How do I perceive an injury?* consisted of various constructs of a sports injury, yet commonly defined based on performance limitations. (2) *How do I deal with an injury?* encapsulated the process of managing the injury. (3) *What influences my perception, reporting and management of an injury?* comprised personal and contextual factors that influenced the perception and, consequently, the management of an injury.

**Conclusions** The injury surveillance system implemented within the Maltese national football team should make use of performance limitations as the main injury definition. Injury perception, reporting and management are influenced by the socio-ecological context. In acknowledging this influence, ongoing human interaction should be involved between stakeholders in all the processes of the injury surveillance system, emphasising its active role to optimise the players’ injury risk mitigation and management.

**OVERALL, REGION- AND TISSUE-SPECIFIC INJURY RATES IN UK SUMMER OLYMPIC MALE AND FEMALE ATHLETES**

**Participants**

1. Moses Wootten, 2 Steve McCaig, 1 Anita Biswas, 1 Michael Brownlow, 1 Lee Herrington, 2 Abbie Taylor, 2 Freddie Brown, 1 Richard Burden, 1 Craig Ranson.

**Setting** This study was undertaken at the Malta Football Association (MFA), responsible for the Maltese national football teams.

**Participants**

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1. Moses Wootten, 2 Steve McCaig, 1 Anita Biswas, 1 Michael Brownlow, 1 Lee Herrington, 2 Abbie Taylor, 2 Freddie Brown, 1 Richard Burden, 1 Craig Ranson. 1 English Institute of Sport, London, UK; 2 UK Sport, London, UK

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**Background** Existing studies have reported that female athletes are at increased risk of particular injury types e.g. ACL rupture and bone stress injury, and have reduced risk of others e.g. hamstring injury. Other sport-specific studies have reported that female athletes generally have higher risk of injury in some sports, lower risk in others. No previous study has compared male and female injury rates across a range of summer Olympic sports.

**Objective** To determine whether male and female athletes experience injuries at different rates within the UK High Performance System.

**Setting** UK summer Olympic sports.

**Participants**

914 athletes (439 female, 475 male).

**Interventions**

There was no intervention.

**Main Outcome Measurements**

Incidence rate ratio (IRR) comparing overall injury rates (as incidence per athlete year) and risk ratio (RR) comparing overall injury burden (training days restricted or unavailable per athlete year) for male and female athletes. The IRR and RR were also compared for injuries in different regions as well as different tissue types.

**Results**

Female athletes had both a greater overall injury rate (females 2.6 injuries per athlete year, males 2.1) and overall injury burden (females 42.58 days training affected per athlete year, males 35.0) over the season 2018–2019.

**Conclusions**

Female athletes are at a higher risk of suffering an initial injury with more subsequent training time-loss than male athletes. The higher risk of ligament/joint and bone injuries supports previous analyses of gender-specific injury rates. Further work is required to determine causal mechanisms so that tailored mitigation strategies can be developed for female and male athletes.

**UNDERSTANDING HEALTH PROBLEMS OF BASKETBALL REFEREES**

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**Background** Basketball referees are responsible for rule length and decision making. They have high physical and psychological demand during the match.

**Objective** To understand the health problems of basketball officials, such as disorders or musculoskeletal injuries and their complaints.

**Design** Prospective cohort study.

**Setting** Referees of Basketball Federation of São Paulo.

**Patients** Initially, 78 referees were assessed, over 18 years old, both sexes and with more than 1 year of practice. Participants who refused to participate were not included, and participants who refused to stay in the study during follow-up were excluded. The participants number varied over the follow-up weeks, with at least 42 participants.

**Main Outcome Measurements**

Injury prevalence of associated musculoskeletal complaints found in this study, it appears that injury prevention programmes should be developed and integrated into the fitness training routine of the referee.