Mass Gathering Medicine and Event Medicine

Adam Lund and Sheila Turris

Vision:

To improve public safety at mass gatherings and special events and to reduce the burden these events create on health infrastructure.

Situation:

Mass gatherings (MGs) and special events are increasingly common. In this out-of-hospital and prehospital setting, there are unique risks associated with specific types of gatherings. These risks are arguably poorly understood and the evidence base to support practice is currently drawn from case reports and infrequent case series.

Stakeholders:

Vancouver Coastal, Fraser, Vancouver Island & Interior HA's; regional hospitals; local community members; attendees/participants, educ.institutions preparing multi-disciplinary health care professionals; event producers; MoH, WHO, World Association of Disaster & Emergency Medicine, Centre of Excellence in Emergency Preparedness, CAEP, Karmik, Health Night Life, Drug Policy Alliance, Cnd Centre on Substance Use & Addiction, BC Centre on Substance Use, BC EHS, Justice Institute of BC

Inputs

Activities

Outputs

Outcomes Short Term (<1 vr) Long Term (2-3vrs) **Anticipated impact**

Multi-disciplinary clinicians who work and volunteer in the context of event medicine

Close Collaborators:

Clinicians and learners

through the Mass Gath-

ering Medicine Interest

Event Medical Services

sharing, and examining

best known practices

public health and harm

committed to identifying

founding best practices

BC ambulance services

partnerships to reduce

local impacts of events

Academic Partnerships:

and capitalizing on

reduction community

Groups in Canada

Providers who

collaborate in data

Collaboration with

Event Producers

& mitigating risks,

for industry

expertise

Research: Ongoing Projects with a distributed national and international team

Education: Engaging

multi-disciplinary

learners in clinical,

research activities

Clinical Practice:

out of hospital and

policy makers to

event medicine

Promoting excellence in

austere practice settings

Advocacy: Engage with

promote application of

best known practices in

education dev't and

Research: Reporting and research data sets for mass gathering health; international focus in partnership with WHO, Flinders University and

Research: Publications including editorials, case studies, case series, and theory development

Education: Faculty liaison for student clubs and groups; resident elective in mass gathering health

Education: Framework for medical direction in event context, atypical practice environments, including austere settings

Clinical Practice: Harm reduction, health promotion, illness/injury prevention at mass gatherings MGs

Clinical Practice: protocols to improve participant safety at MGs

Advocacy: National network for excellence in mass gathering health

Advocacy: Reduction of the impact of MGs on local health infrastructure including local EDs and the ambulance services

Research: Cnd leadership & participation in WHO Mass Gatherings Minimum Data Set

Research: 2-3 publications annually (amongst distributed team members)

Research: Mentor new investigators about MGM research and publication in the form of case reports and case series

Clinical Practice: Collaborate w harm reduction org's regarding festival health

Education: Dissemination of Tabletop Exercise methodology for mass gathering planning and mass casualty incident planning

Advocacy: Foster networking of health experts (national focus) and stakeholders across event genres

Research: Reboot mass gathering event and patient registry project to accommodate international users/ research collabs

Education: Providing training opportunities for future emera physicians and medical directors in **Event Medicine**

Clinical Practice: Integrating best evidence harm reduction initiatives into event medical practices

Clinical Practice: Clinical decision tool to support an evidence-informed approach to altered LOC at music festivals

Advocacy: Harm reduction framework for music festival health

Research: Standardized data collection for MGH researchers, internationally

Research: Cont'd evolution of science underpinning mass gathering health, focused on sm-med events (≤100,000 attendees)

Education: Est. Event Medical Life Support training program for multi-disciplinary learners & planners

Clinical Practice: Reduce # of transfers & hospital admissions

Advocacy: A shared voice for advocacy in individual Cnd provinces/territories

Advocacy: National community of practice; shared research projects; shared resources

Overall: UBC seen as international leader in the field of MGs and **Event Medicine**

Priority Goals:

- Contributing leadership and research towards improving the evidence
- Developing national standards for research and clinical practice in mass gathering health
- Disseminating best known

- Creating a national network of event professionals to support excellence in pre-hospital event medicine

- -base for event medicine
- practices in event medicine

Flinders University (Australia), JIBC

Sustainability of a program of research given the relative lack of protected search infrastructure (e.g., easy access to a statistician)

Significant Challenges:

time for research and related administrative activities; relative lack of re-