

Mass Gathering Medicine

Taking research out of the hospital:
festivals, concerts, & sporting events



What is a Mass Gathering?



And the medicine?



MGM Research

▶ Online Event & Patient Registry

- Prospectively and retrospectively collect patient and event data
- No evidence-based standards exist to guide planning medical care
- We hypothesize that patient presentation rates are influenced by predictable event and patient variables

For the 2012 season we are looking for
volunteers to enter data with us at MGM
events

MGM Research

- ▶ Triage Acuity & Discharge Acuity Scale (TAS/DAS)
 - Sub-study of the Registry Project
 - Define common acuity levels by standardizing triage and acuity for MGM populations
 - Provide consistency within the literature when comparing patient injuries/illnesses

Phase II of this study will soon be recruiting healthcare providers to participate

MGM Research

- ▶ Alternate Communication Project
 - Evaluate text messaging as a means of dispatching healthcare providers during MGM events with high ambient noise levels
 - Two year study is complete and in write-up phase
 - Satisfaction surveys for healthcare providers and dispatchers

We are currently drafting a proposal to extend this project



MGM Research

▶ Learner Elective


- Provide learners with clinical skills while on-site at MGM events
- Understand medical capabilities required to respond to mass gatherings of different sizes or activity level
- Take part in equipment and logistical planning

We are planning to include a Disaster Medicine Component in the course in the near future




Case Studies

Sun Run Defib. Case

- ▶ A formerly healthy female participant ran the Sun Run and collapsed at the finish line requiring bystander CPR and defibrillation from the medical team
 - ▶ Prolonged QT was discovered
 - ▶ Pt. received an implanted cardioverter defibrillator
 - ▶ Discharged home after 7 days
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Case Studies

Interested in trying your hand:

- ▶ A case study describing the events of an anaphylaxis reaction to an M&M peanut during a mass gathering event
 - ▶ A case study following an MI patient from a long distance running event to the Cath. Lab
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MASS GATHERING MEDICINE

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MASS GATHERING MEDICINE (MGM) INTEREST GROUP

The MGM Interest Group began in 2008, after the highly successful Pemberton Music Festival. Drs. Adam Lund and Samuel Gutman worked together for the first time on this event, and have been collaborating ever since. Both have been involved in providing medical care at community events for over 2 decades. The MGM Interest Group is an evolving team of professionals from many disciplines who are all working together to study, teach, improve standards, and provide world class care at events in

our communities.





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Mass Gathering Medicine Interest Group

The Mass Gathering Medicine Interest Group is a group of individuals at the University of British Columbia committed to advancing the academic foundations of this niche field of prehospital care.



Collaboration with BC's Mobile Medical Unit

The Mobile Medical Unit (MMU) is a legacy of the 2010 Olympic Winter Games. The MMU was purchased by the Ministry of Health and is owned in partnership between:
Provincial Health Services
Authority Fraser Health

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TAGS

- JIBC MGM Registry

Questions?

A vibrant concert scene with a blue light show and a crowd of people with their hands raised in the foreground. The background is filled with bright blue spotlights and stage lights, creating a dynamic and energetic atmosphere. The crowd in the foreground is silhouetted against the bright lights, with many people having their hands raised in the air, suggesting a lively performance.

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