



CENTRE FOR GLOBAL SURGERY

MISSION

Injury and surgical disease are leading causes of global morbidity and mortality. In fact, there are more annual injury-related deaths than from HIV, malaria and tuberculosis combined. Ninety percent of these deaths occur in low- and middle-income countries and commonly affect the most productive portion of the population. At the Centre for Global Surgery (CGS) McGill University Health Centre (MUHC), we have recognized the impact of injury and have been committed to addressing this major problem. Our ultimate goal is to reduce injury and acute surgical disease-related morbidity and mortality through local capacity building while strengthening the trauma response system.

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1 Dr. Jeremy Grushka from the CGS conducts a Basic Life Support training in Ukraine.

ACTIVITIES

The Centre for Global Surgery's Program is based on four pillars:

1. Injury and surgical research

In partnership with local universities and health care leadership, the CGS has deployed and instituted several databases in more than a dozen countries around the world. These databases comprise:

- Trauma Registry (TR)
- Operating Room Registry (OR), including the Perioperative Mortality Rate (POMR)

The implementation of the registries provides the earliest hospital-based injury epidemiology, which in turn informs future targeted interventions in education and prevention, addresses human and material resource gaps, and drives policy to attend to the challenges of injury.

The CGS's most recent innovation was the piloting of an electronic tablet and application, which allows for real time data entry at the patient bedside and significantly facilitates data entry and analysis.

2. Injury and surgical education

While research is instrumental in defining the extent of the burden, such work needs to be supported by education to address the burden of surgical disease. Education comprises training courses administered to local leadership in order to help build the local trauma capacity. These courses include but are not limited to: Trauma Team Training (TTT), Basic Life Support (BLS), Rural Trauma Team Development Course (RTTDC), and Advanced Trauma Life Support (ATLS).

Often administered by the CGS through local partnerships, these courses usually become spearheaded by local leadership through a "Train the trainer" process. This has been the case for the TTT course in Tanzania and Rwanda.



ACTIVITIES (cont'd)

3. Mentorship and career advancement

Students today are the leaders tomorrow. We have developed a significant research and global health mentorship program at the Centre for Global Surgery. These programs range from research addressing the burden of injury and disease to clinical activities, student exchanges, resident exchanges, and opportunities to present at international conferences. We have also recently supported our very first student-led exchange program between Haitian and Rwandan students and McGill students.

4. Disaster response

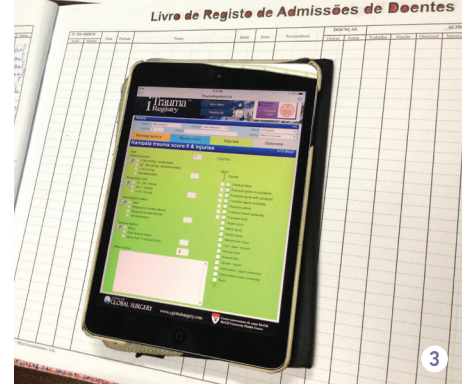
In addition to the academic programs, the CGS has been actively involved in the provision of surgical support in low- and middle-income countries in response to natural disasters, armed conflict, or baseline need of surgical capacity. This has been done through affiliation with Non-Governmental Organizations (NGOs) such as the International Committee of the Red Cross (ICRC), the African Medical Research Foundation (AMREF), AMREF's branch the Flying Doctor Service, as well as local government hospitals in countries such as Sudan, Kenya, Rwanda, Somalia, Uganda, Tanzania, Ethiopia, Haiti and Nepal.

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2 CGS team members with the graduates of the Trauma Team Training in Ukraine.

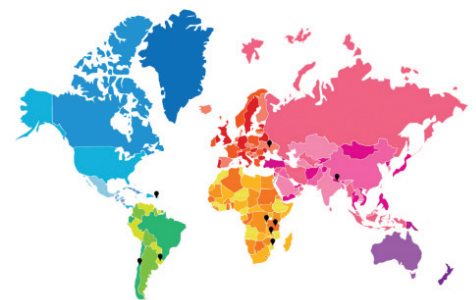
3 The electronic Trauma Registry piloted/ implemented in more than a dozen countries.

4 Haitian and Rwandan students train with McGill students during CGS's first student exchange program.



WHERE WE WORK

Countries: Uruguay, Chile, Haiti, Malawi, Tanzania, Mozambique, Rwanda, Ukraine, Nepal, Thailand



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