Interprofessional Simulation to Reduce In-Hospital Sepsis Rates: A Returns on Investment Program
The Problems

1. In-hospital sepsis is a leading patient safety problem in Hamilton Health Sciences
2. Interprofessional education is lacking

In hospital sepsis (per 1,000)

CIHI 2015 Annual Report

- Hamilton Health Sciences: 6.7
- Teaching Hospitals: 4.7
- Hamilton Niagara LHIN: 5.8
- Ontario: 4.4
- Canada: 4.0
The Intervention: The Interprofessional Sepsis Module

Pre-test → Lecture → RC-Sims → Hi-fidelity Sim → Post-test

Hi-fidelity Sim → RC-Sims

Sepsis: An Update on Pathophysiology, Diagnosis, & Management

ROYAL COLLEGE OF PHYSICIANS AND SURGEONS OF CANADA

HIREB Project #: 11-548  CJEM 18:143-145, 2016
Outcome & Impact: Returns on Investment Analysis

Focus
Early detection of sepsis by an interprofessional team
Insights

• Interprofessional education and simulation may be used to improve early detection of sepsis

• Investment in interprofessional training may improve overall team performance and, more importantly, outcomes

Next Steps

• Expansion of the pilot study to entire hospital

• Assessment of qualitative and quantitative outcomes at 8 months

• Advanced technical workshop on RsOI planned June 2016