Community Paramedicine in Frontenac County : *Primary Care to Public Health*





Jason Kervin BClinPrac, ACP



Conflicts:

- None

Disclosures:

- CP@clinic program was developed by McMaster University, Hamilton, Ontario



Outline

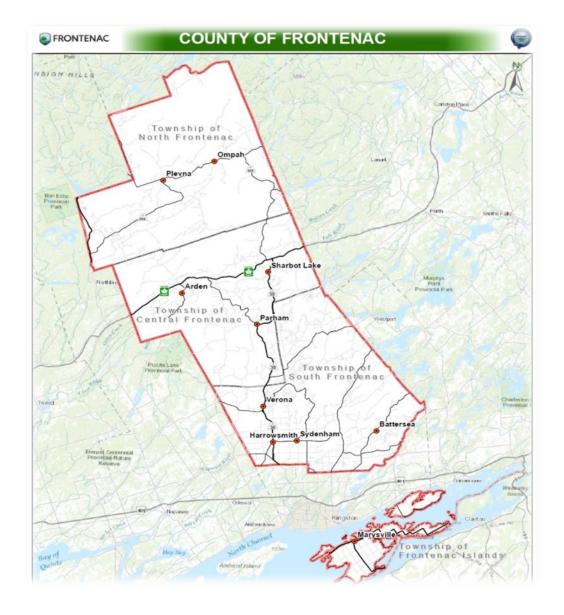
- CP@clinic experience

- Overdose Prevention Site













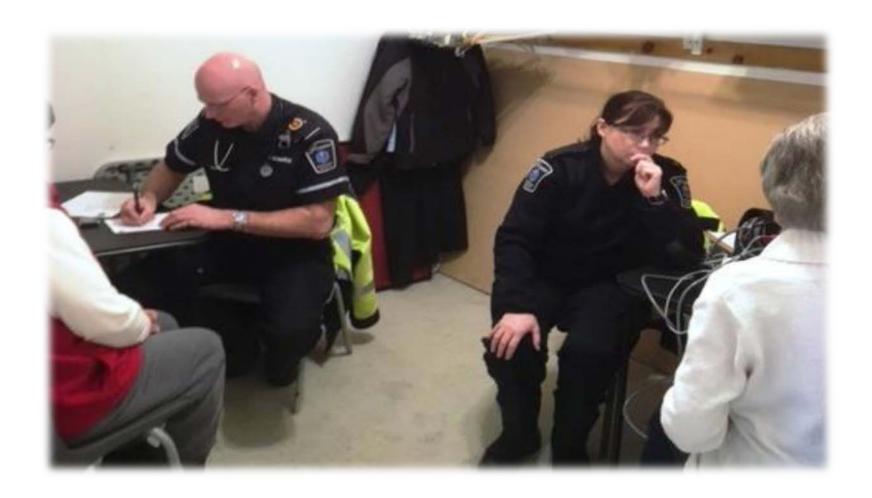








Community Paramedic Programs







Community Paramedicine Research Team



Principal Investigator: Dr. Gina Agarwal

Research Team: Dr. Ricardo Angeles, Francine Marzanek, Jenna Parascandalo, Melissa Pirrie, Andrea Ziesmann





RESEARCH ARTICLE

Open Access

Development of a community health and wellness pilot in a subsidised seniors' apartment building in Hamilton, Ontario: Community Health Awareness Program delivered by Emergency Medical Services (CHAP-EMS)

2015

Gina Agarwal^{1*}, Ricardo N Angeles¹, Beatrice McDonough², Brent McLeod³, Francine Marzanek¹, Melissa Pirrie¹ and Lisa Dolovich^{1,4}

Agarwal et al. BMC Emergency Medicine (2017) 17:8 DOI 10.1186/s12873-017-0119-4

BMC Emergency Medicine

RESEARCH ARTICLE

Open Access



Effectiveness of a community paramedicled health assessment and education initiative in a seniors' residence building: the Community Health Assessment Program through Emergency Medical Services (CHAP-EMS)

G. Agarwal^{1*}, R. Angeles¹, M. Pirrie¹, F. Marzanek¹, B. McLeod², J. Parascandalo¹ and L. Dolovich¹

2017



RESEARCH 41 VULNERABLE POPULATIONS

Evaluation of a community paramedicine health promotion and lifestyle risk assessment program for older adults who live in social housing: a cluster randomized trial

Gina Agarwal MBBS PhD, Ricardo Angeles PhD, Melissa Pirrie MA, Brent McLeod MPH, Francine Marzanek BSc, Jenna Parascandalo BA, Lehana Thabane MSc PhD

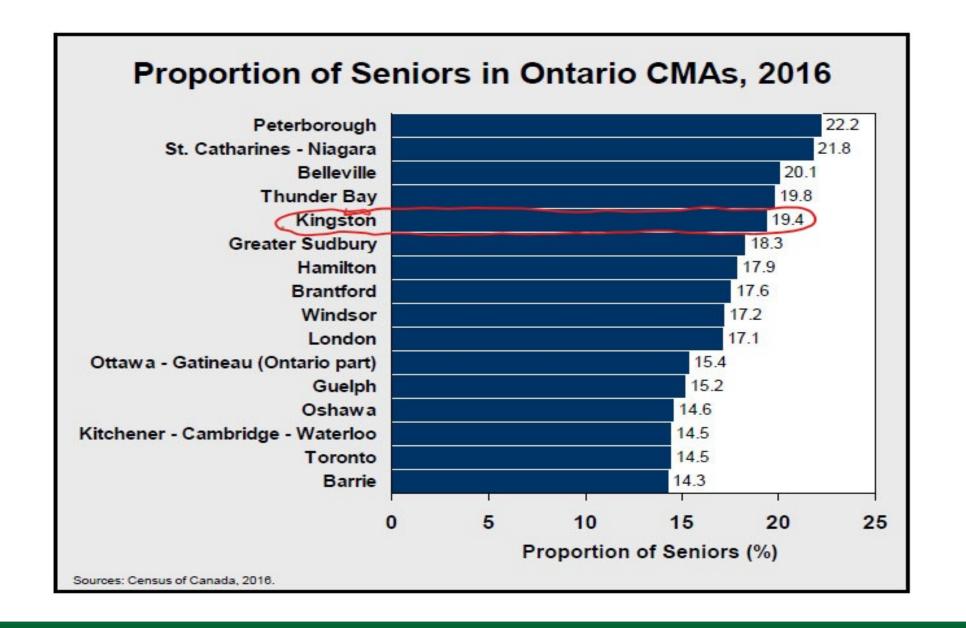
■ Cite as: *CMAJ* 2018 May 28;190:E638-47. doi: 10.1503/cmaj.170740



Three Issues

- Seniors account for 1/3 of all Paramedic calls (\$1044/call)
- High co-morbidities which require increased health resource use
- Seniors living in subsidised housing are particularly vulnerable (2014/15 data from Hamilton, Guelph, York and Sudbury)



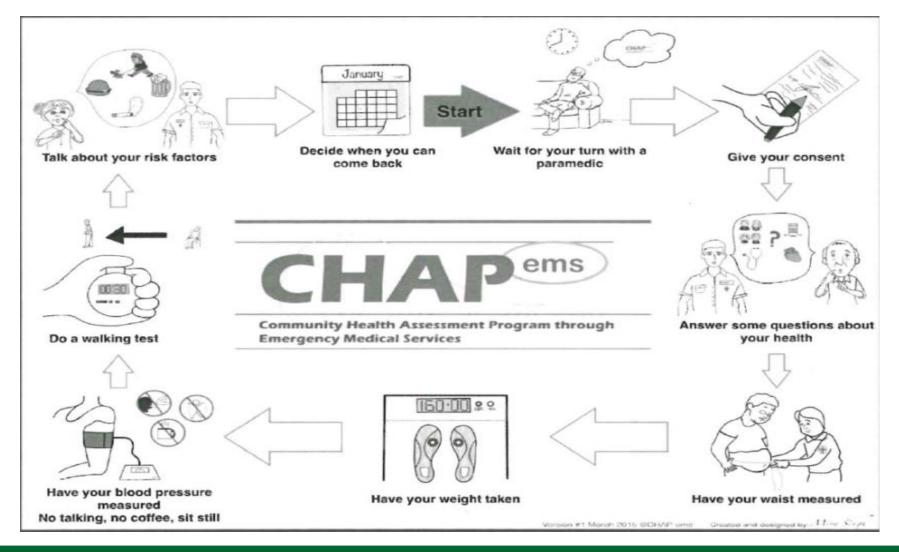




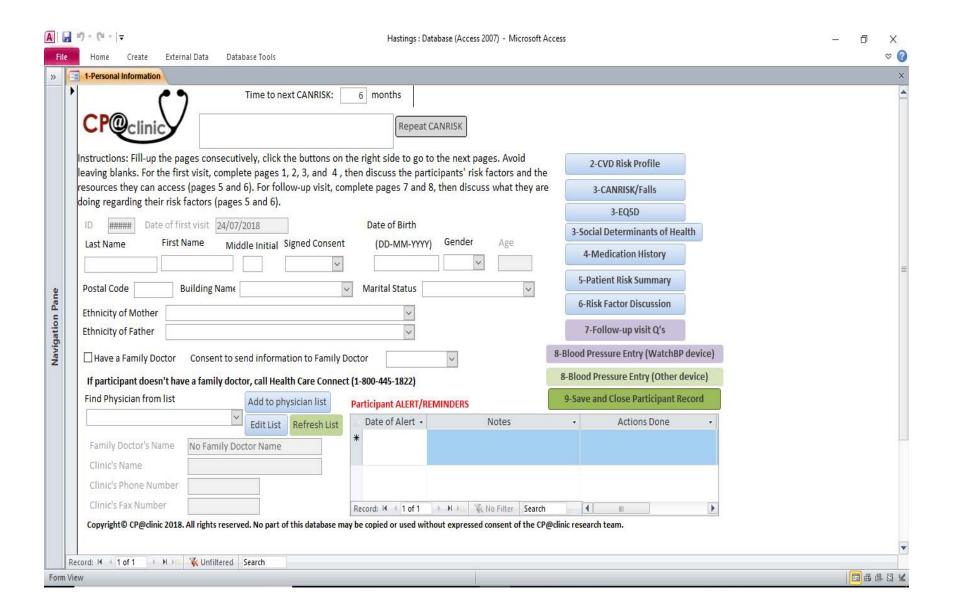
What is CP@clinic?



CP@clinic Session Structure

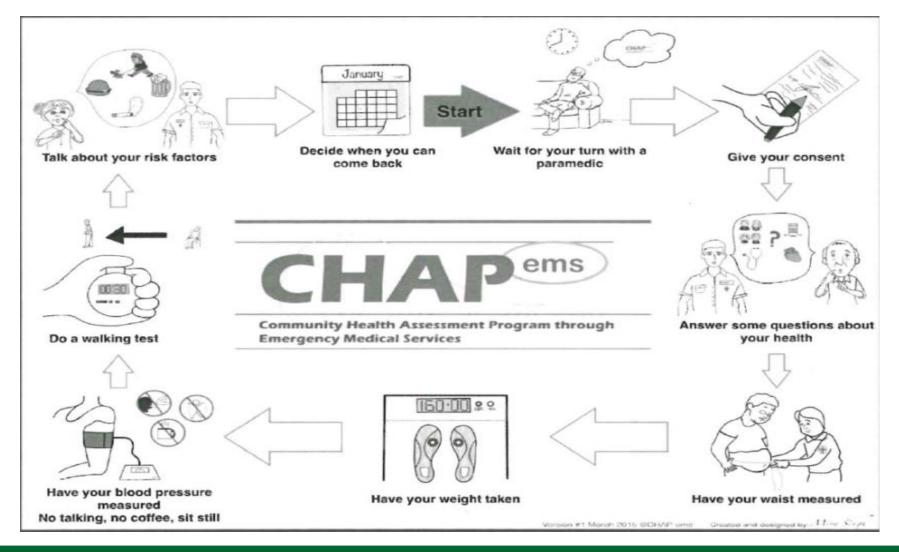




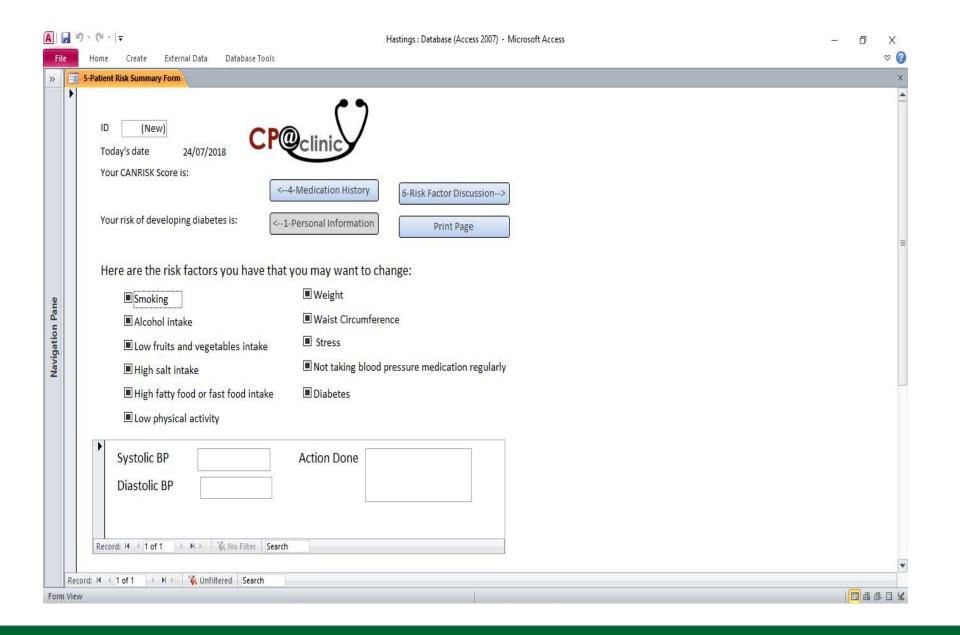




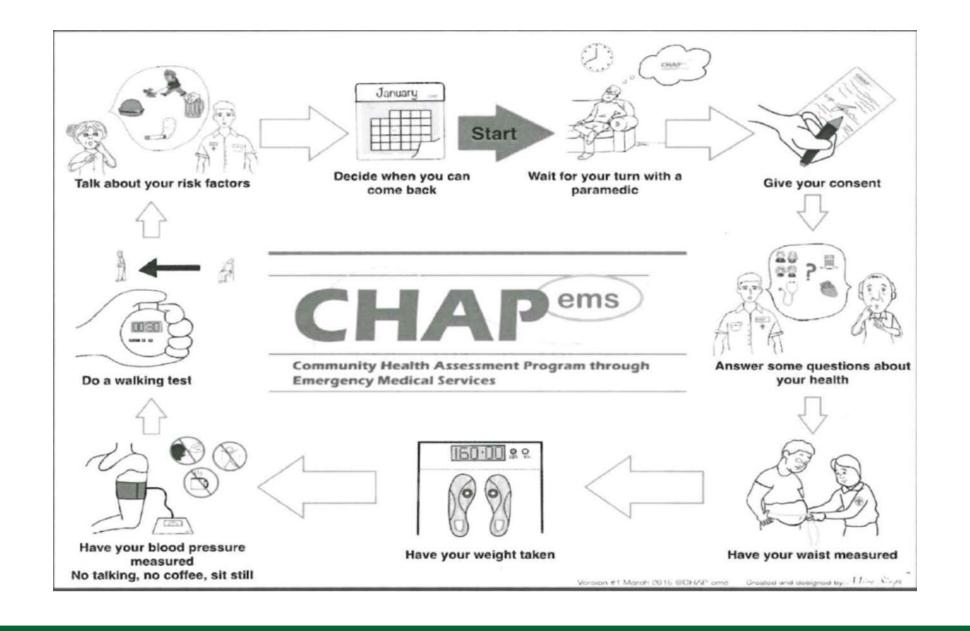
CP@clinic Session Structure

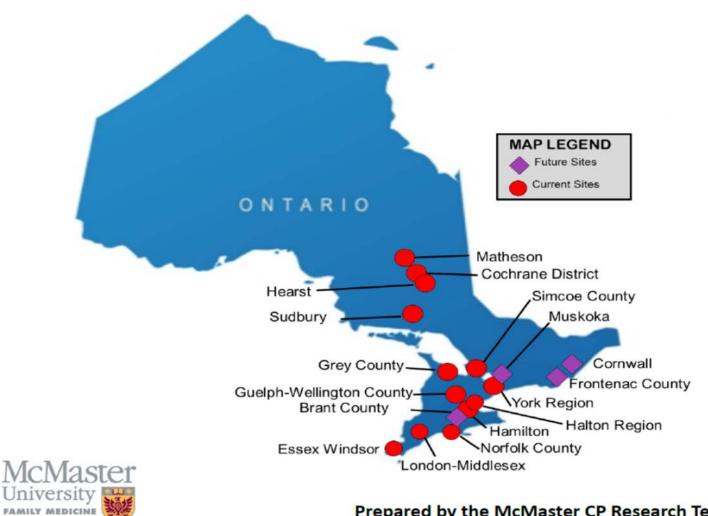












Prepared by the McMaster CP Research Team



Our Experience

23

Ongoing Participants

25% participation



Diabetes



CANRISK Score

6/23 (26%)

Moderate or High



Treated for Hypertension



Hypertension on 1st visit



Fall Risk (TUG test)

11/23 (48%)











Costs

- Approx \$2,500 \$3,000 initial equipment cost (Computer, WatchBP, scale, posters, etc)
- Staffing



Overdose Prevention Site





Opioid Related Mortality

Kingston: 7.9/100,000

Provincial Average: 6.2/100,000

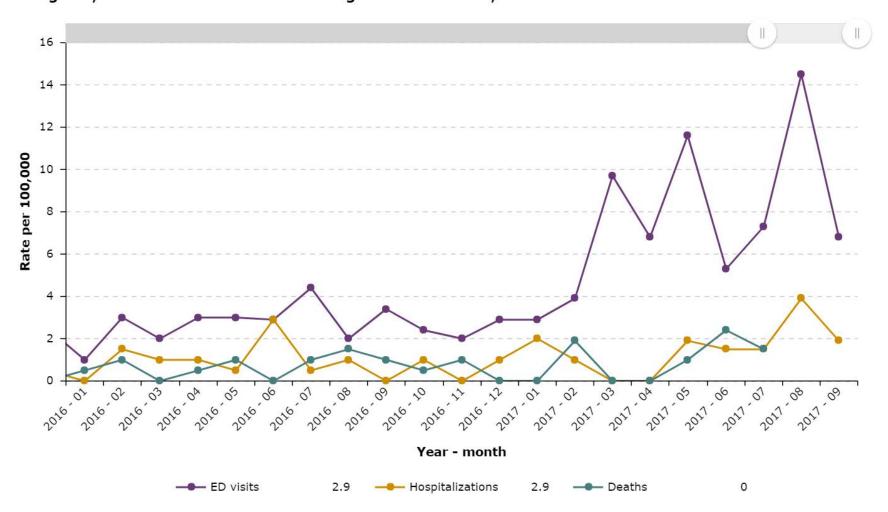
Toronto: 6.5/100,000

(Ontario Public Health, 2016)

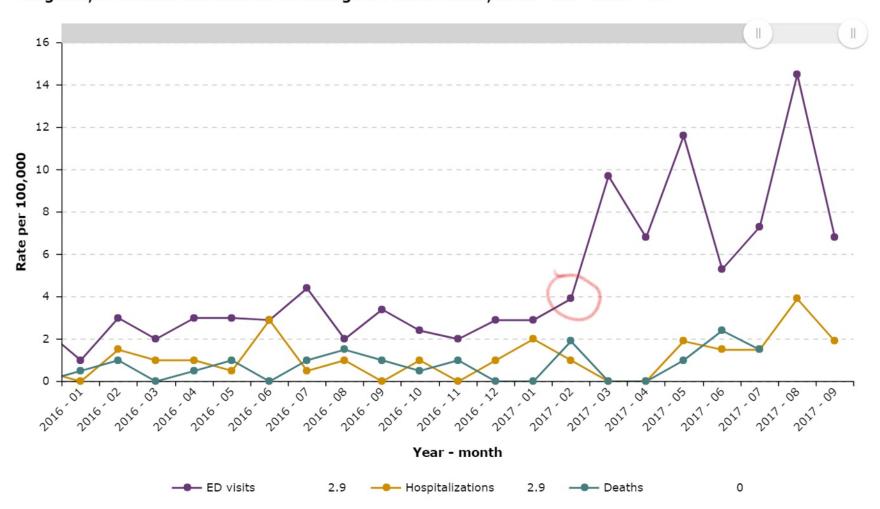
Motor Vehicle Fatalities: 5.2/100,000

(Transport Canada, 2016)

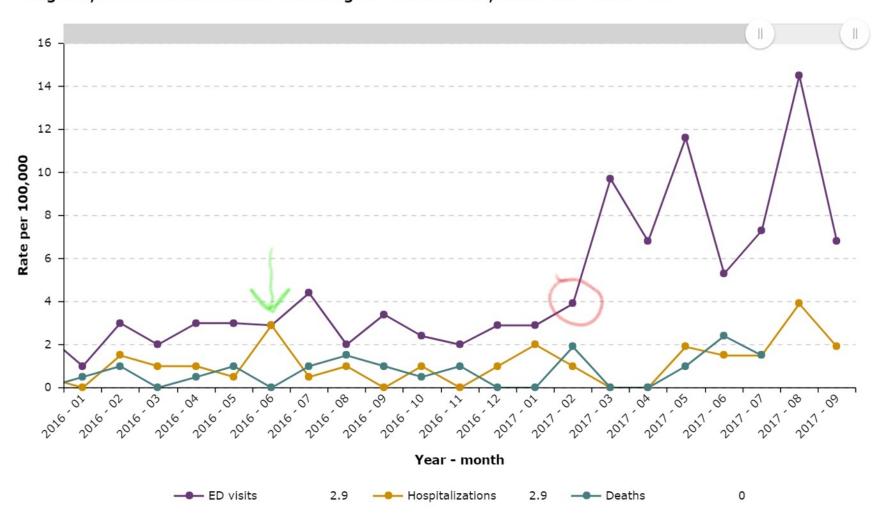




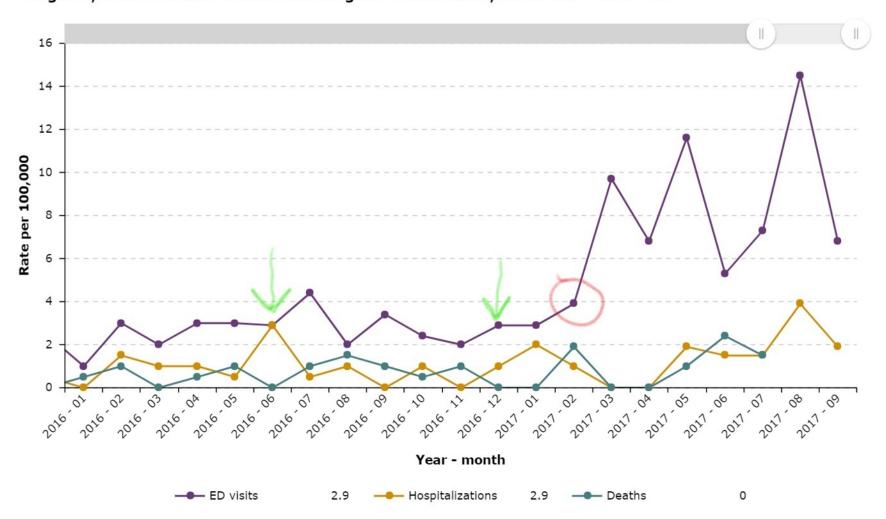




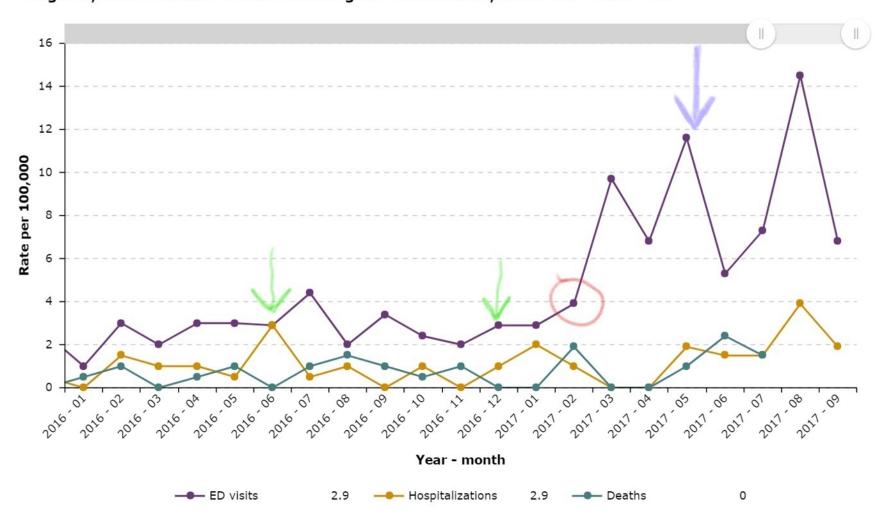




















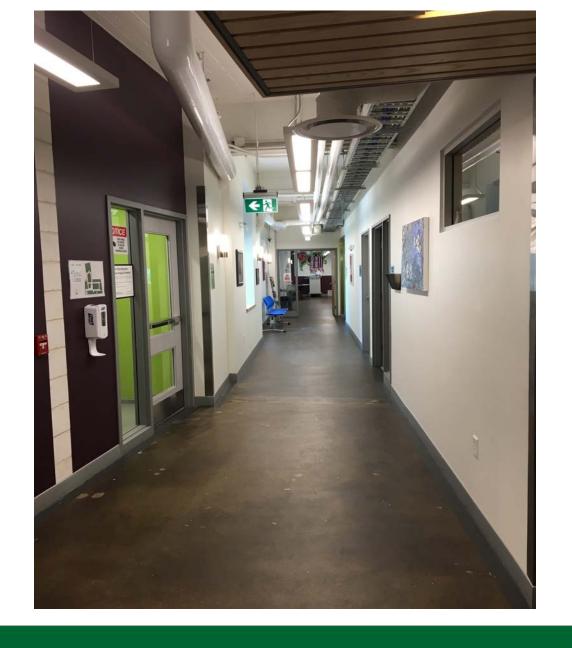


OPS Community Paramedics

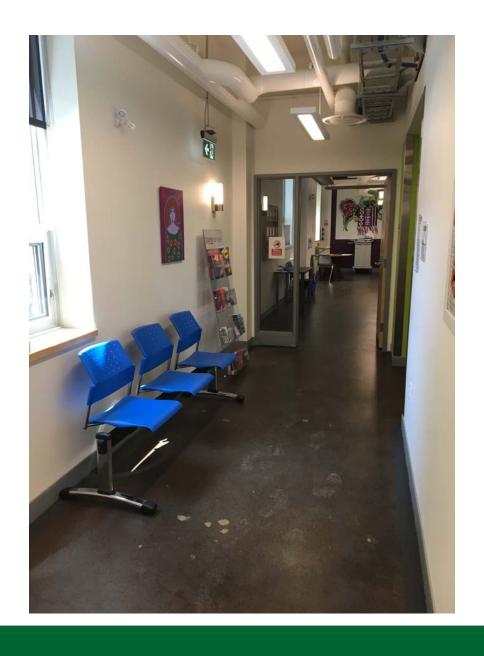








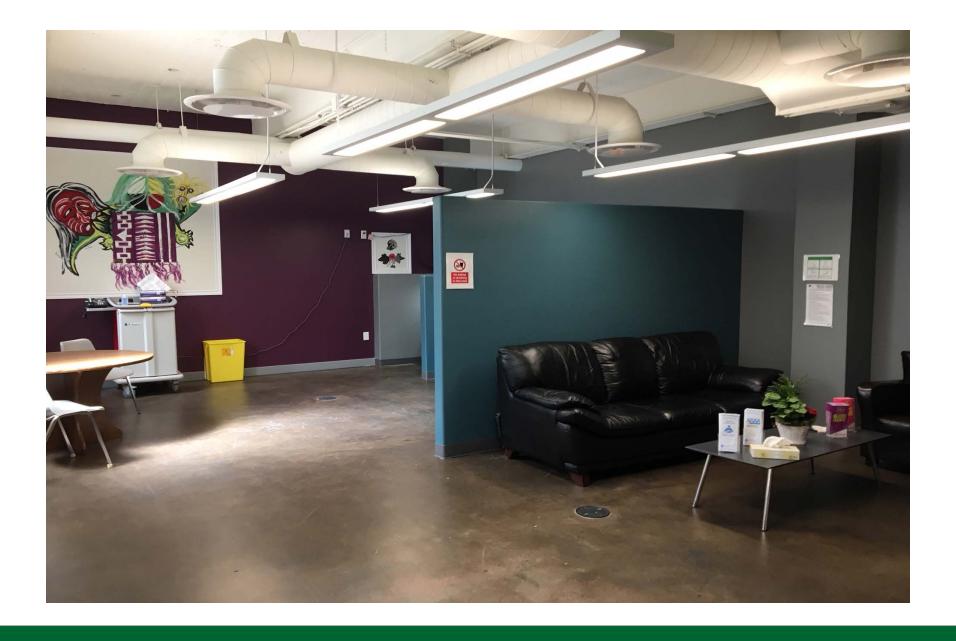


















Challenges

- Uniform (or anything "official" for that matter)

- Pop up injection sites

- Trust



The Stats

- So far 40 people have used the OPS
- They typically stay around 30 min
- Fentanyl/Heroin and Crystal Meth are what are mainly used



In Summary





Thank You



Jason Kervin, BClinPrac, ACP Community Paramedicine / Education Coordinator

Frontenac Paramedic Services 2069 Battersea Road Glenburnie, ON K0H 1S0

Office: 613.548.9400 x410

Fax: 613.548.0839

jkervin@frontenaccounty.ca FrontenacCounty.ca

