BC Mobile Medical Unit

A program overview

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BRITISH COLUMBIA'S
Mobile Medical Unit

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What is the MMU?

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What is the MMU?

AB

C

D

E

F

G

A - Hospital trailer

B - Support trailer

C - Dually truck

D - O_2 concentrator

E - Inflatable tent (2)

F - Ramp canopy

G - Rigid tent

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What is the MMU?

MMU team is comprised of Medical Directors, Nurses, Paramedic educators that have a breadth of expertise that include:

- Pre-hospital care
- Air medical transport
- Disaster medicine
- Hazmat
- Search & rescue
- Mass gathering medicine
- Trauma
- Surgery
- Perioperative care
- Emergency medicine
- Anesthesiology
- Intensive care
- Burns & plastics
- And more…

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Since 2011…

- The MMU has been on the road for over **660 days**
- Visited over **53 sites** across all health authorities and private venues
- Provided care to over **6,270 patients** in BC
- Been a hands-on classroom to more than **1,190 clinicians & first responders**
- Over **300 hours** of education provided across the province
- Unique, one-of-a-kind hospital on wheels – only **one** in Canada

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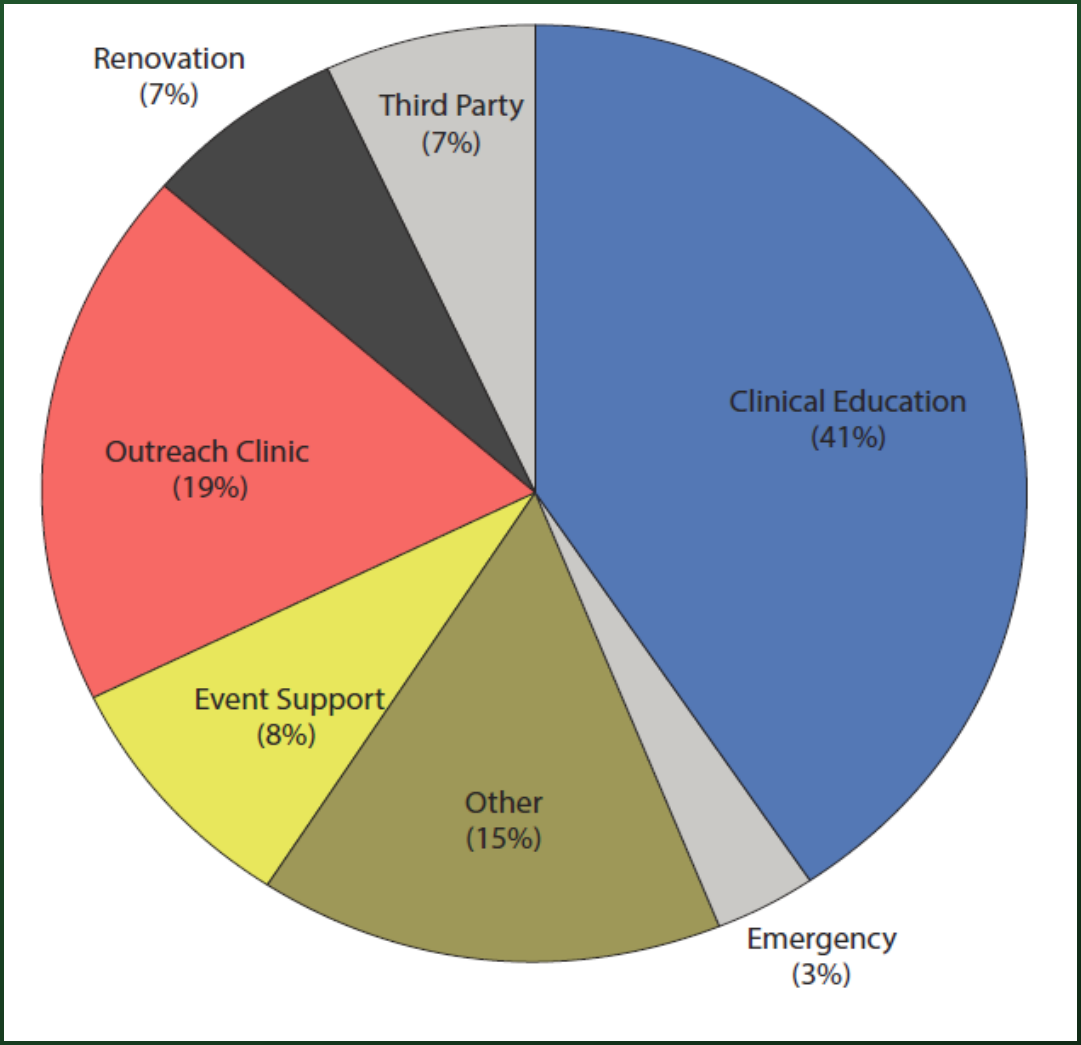
Deployments by type



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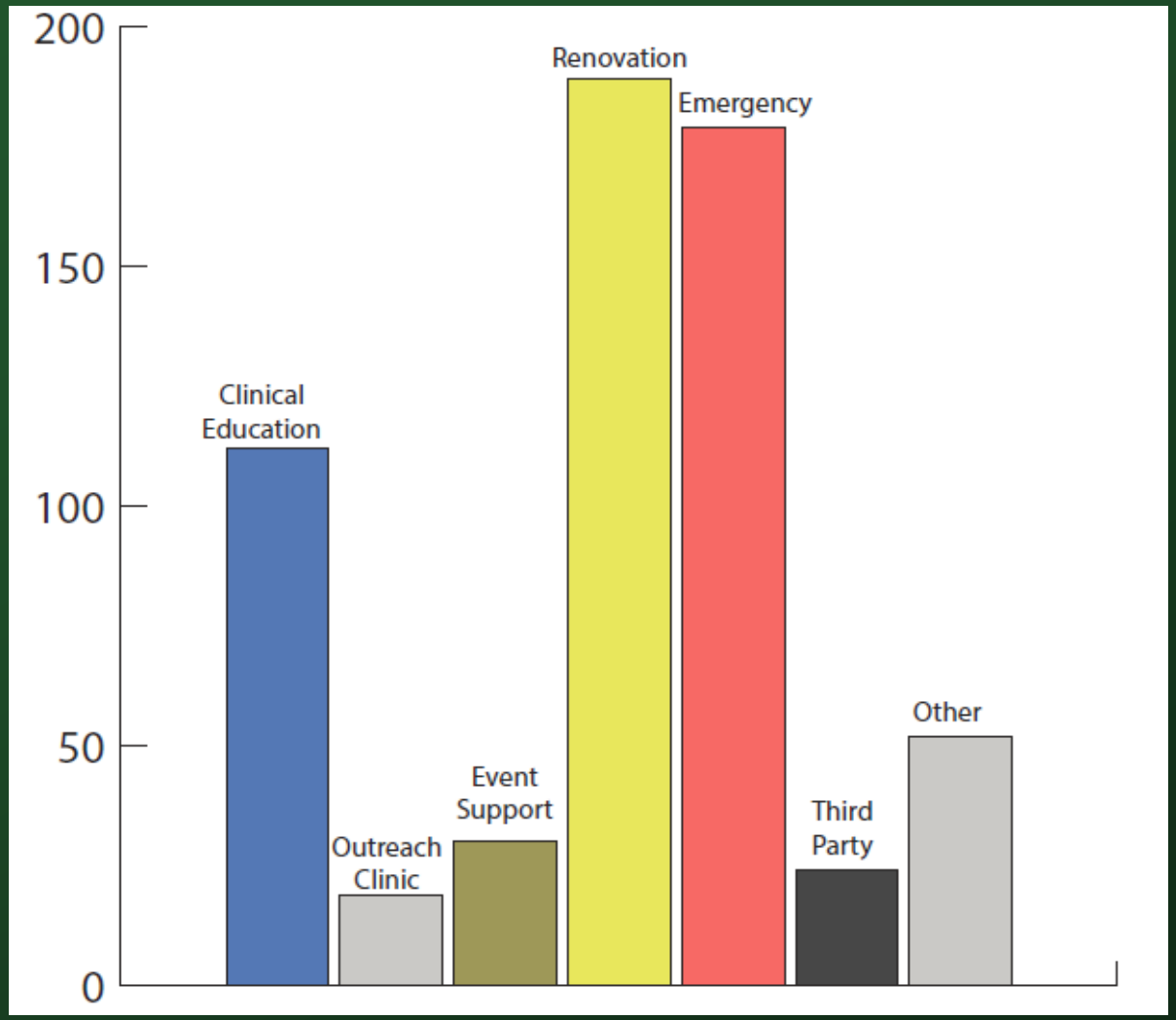
Days on road, per type
N=661



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Renovation Support

Kitimat General Hospital
(Northern Health)
Nov. 2013 – Feb. 2014

- Supported 14-week emergency department renovation
- More than 3,000 patients treated

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Emergency Response

Surrey Memorial Hospital (Fraser Health)
November 2012

- Set-up @ JPOCS as active medical surge support
- From request to set up, the team was on-site in eight hours

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Downtown Eastside

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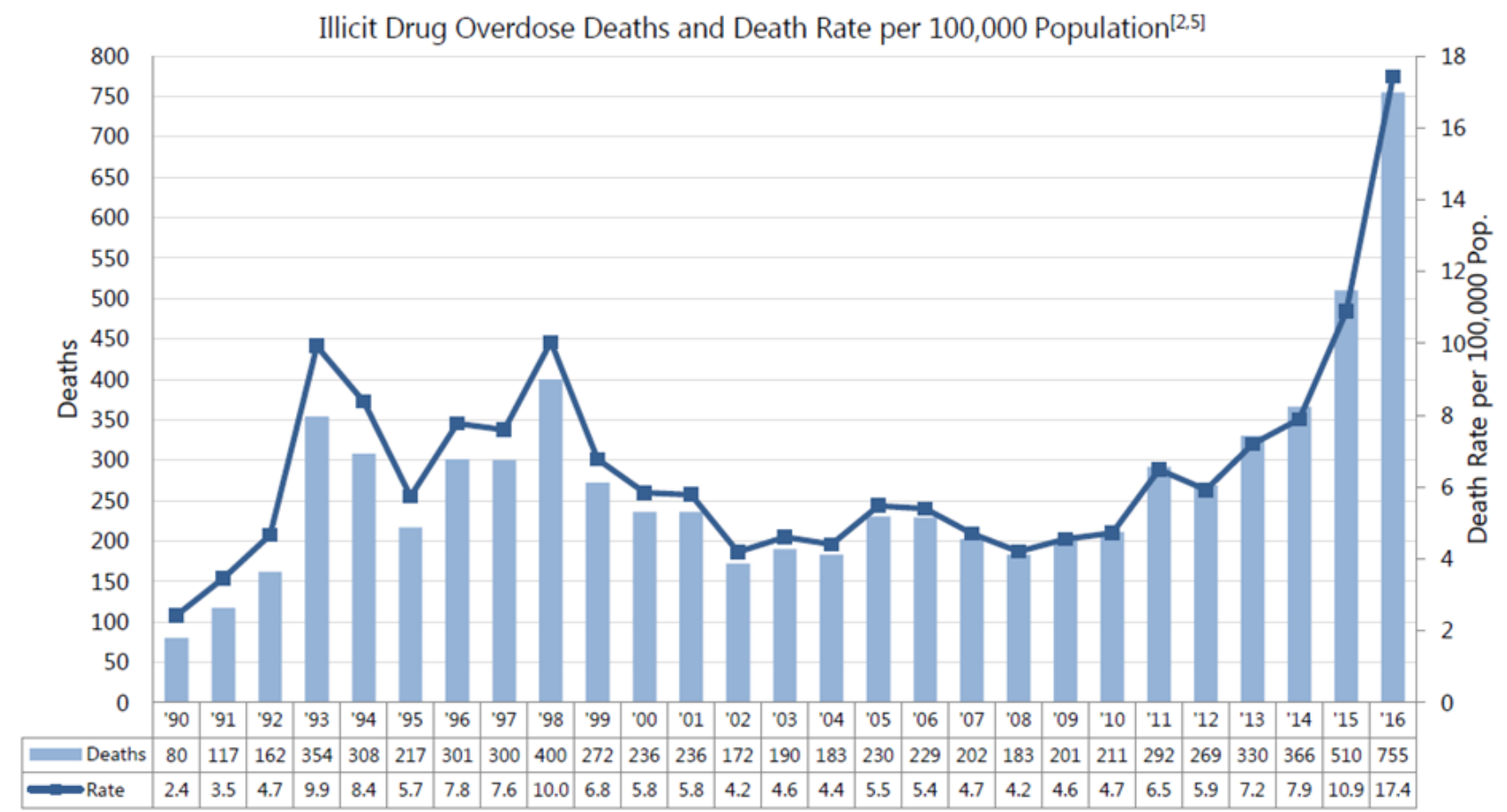
Downtown Eastside



	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	'00	'01	'02	'03	'04	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16
Deaths	80	117	162	354	308	217	301	300	400	272	236	236	172	190	183	230	229	202	183	201	211	292	269	330	366	510	755
Rate	2.4	3.5	4.7	9.9	8.4	5.7	7.8	7.6	10.0	6.8	5.8	5.8	4.2	4.6	4.4	5.5	5.4	4.7	4.2	4.6	4.7	6.5	5.9	7.2	7.9	10.9	17.4

Source: BC Coroners Service (http://www2.gov.bc.ca/assets/gov/public-safety-and-emergency-services/death-investigation/statistical/illicit-drug.pdf)

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Downtown Eastside Goals (initial)

1. Mitigate congestion at St. Paul's Hospital Emergency Room
2. Improve the clinical outcome of patients who sustained an opioid overdose
3. Provide more integrated treatment service for overdose patients
4. Help BCEHS transport appropriate patients to a hospital setting and get back onto the road sooner to help more patients

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BCEHS Transport

- Transport regulations to non-hospital site
- Inclusion Criteria
- Exclusion Criteria
- Secondary Transport

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Downtown Eastside
58 West Hastings Street, December 2, 2016

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Downtown Eastside
58 West Hastings Street, December 11, 2016

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Downtown Eastside Complexities and challenges

"building from the ground up"

- MMU as a stand-alone unit
- Site preparation: City permits, fencing, security, washrooms, water source, electricity
- High media requests and coverage
- Unit clinically operational within 12 days of activation
- Communication between health authorities, programs, vendors: VCH, PHC, BCEHS, HEMBC, CDC, City of Vancouver, BC Hydro, Telus……

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Downtown Eastside

Photo: Christopher Cheung, The Tyee, February 27, 2017

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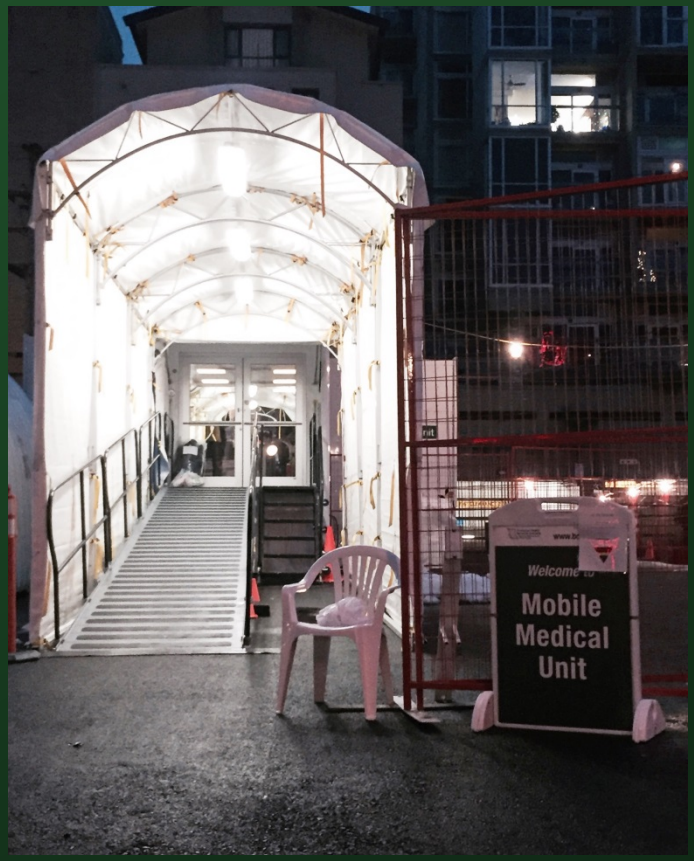
Downtown Eastside Complexities and challenges

Clinical staff & patient flow

- Inclusion & exclusion criteria
- Walk ins/Drop offs
- Staff recruitment and scheduling: Physicians, nurses, addiction specialists, outreach workers across VCH, PHC, and PHSA
- Orientation of a high rotation of clinical staff: webinar, just-in-time training
- Patient care delivery and secondary transports
- Clinical re-supply, housekeeping, parking, power, septic, oxygen, security, IMITS, leadership…..
- Mission Creep and Exit Strategy



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Downtown Eastside
VCH Surveillance Statistics

December 13, 2016 – Apr 6th, 2017

****(Apr 6th-May 19th)***

- 163-day deployment – longest in the history of the MMU program
- A total of 3,064 patients visited the MMU - an average of 25 patients per day
  - 598 (20%) had overdose presentations
  - 574 (20%) presented with acuity level as emergent and urgent. For OD related visits, the proportion remained at 79%
  - 558 (19%) of visits arrived by EHS. For OD related visits, the proportion remained at 89%

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Downtown Eastside
The experience…..

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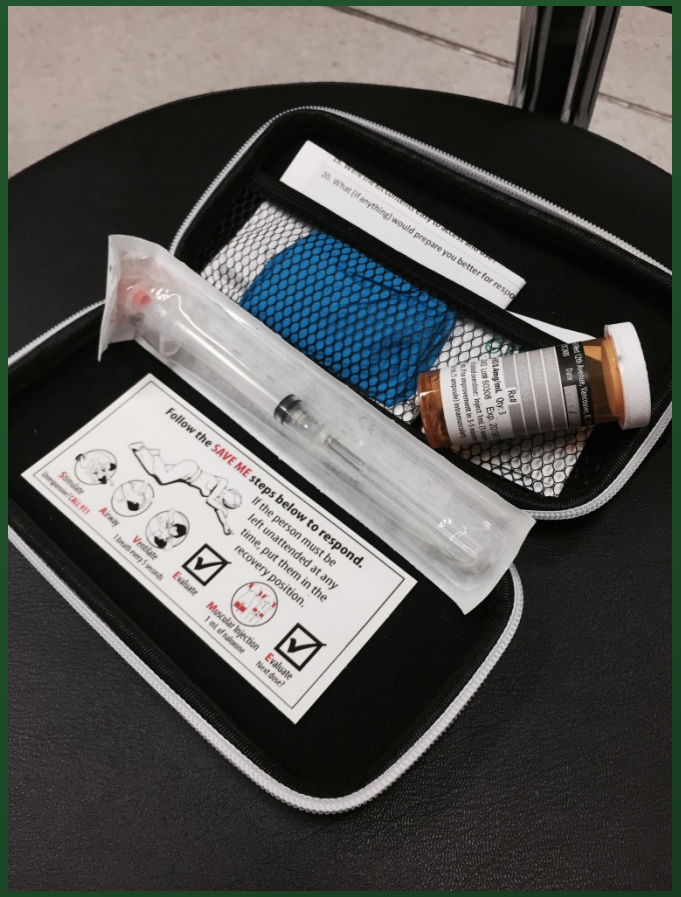

"This has definitely changed my perspective on addictions, patients, treatment, the importance of a non-judgmental attitude."

- RN working in the MMU

"140 characters fail to describe the level of care that patients at the @MobileMedicalBC receive. Incredibly caring, positive vibe."

- Andrea Woo via twitter, Globe & Mail reporter

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Providence Health Care

Overdose Crisis Response

- Medical treatment for active overdoses
- Same day Suboxone/Methadone Starts
- Take Home Naloxone Kits Offered

MMU SERVICES HAVE MOVED...

FOR EMERGENCIES OR OVERDOSE CALL 911

MMU services have moved to other sites in the DTES. VCH doctors and nurses are no longer here.

Outreach workers are here from **Monday to Friday 9am-5pm.** They can help you connect to addictions care, medical and other services. **Contact an outreach worker: 604-360-2874** or call the **Access Central Detox Referral Line: 1-866-658-1221.**

OTHER SITES

Pender CHC
59 West Pender Street • 8:30am-4:30pm Mon-Fri

Overdose Prevention Society Trailer
62 East Hastings • 10am-10pm 7 days a week

Insite
139 East Hastings • 9am-3am 7 days a week
24 hours a day on Wed/Thurs/Fri during cheque week

Maple Hotel (alley)
177 East Hastings • 7am-11pm 7 days a week

VANDU
380 East Hastings • 10am-10pm 7 days a week

Powell Street Getaway
528 Powell • 10am-8pm 7 days a week

Downtown CHC
569 Powell Street • 8:30am-5:00pm 7 days a week

DTES Connections
623 Powell Street (alley entrance) • 8:30am-4:30pm 7 days a week

NOT SHOWN ON MAP

Rapid Access Addictions Clinic
St. Paul's Hospital, 1081 Burrard Street, 2nd Floor Burrard Building, Room 2B-184 • 8:30am-4:30pm Mon-Fri

Raven Song CHC
2450 Ontario Street • 8:30am-4:30pm Mon-Fri

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Downtown Eastside Lessons Learned……

- Flexibility
- Early activation
- Complexity of support
- Collaboration of Acute and Community
- Communication
- Security
- Exit strategy

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Questions?

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