









SYSTEM PLANNING & IMPROVEMENT FOR COMMUNITY PARAMEDICINE IRCP JUNE 15-16, 2019 CHARLOTTETOWN, P.E.I





- 1. Health Systems Planning
- 2. Improving performance throughput
- 3. Improving effectiveness keeping people safely at home
- 4. Summary
- 5. Questions









- 1. Home visits
 - 911 callers identified by front line Paramedics
 - Referrals from partner agencies
- 2. Clinics
 - 9 City Housing Buildings (mostly seniors)
 - Wellness clinic
- 3. Social Navigator Program
 - Paramedic & Police Officer
 - Individuals who have housing insecurity / criminal history
- 4. Remote Patient Monitoring
 - Chronic disease CHF / COPD / Diabetes
 - Daily vitals transmitted to software that alerts when exceed limits









- 1. "What?" Defining the Mission / Vision/ Value / Strategy
- 2. "For who?" Population Profiles / 911 Call Analysis
- 3. "How?" Environmental Scan, Evaluation Plan
- 4. "With who?" Need / Gap analysis / Partnership
- 5. "Which way?" System Mapping
- 6. "Make it better" System Evaluation & Improvement







Balanced Scorecard Notes & KPI (CP - @HOME/RPM SECTOR)

Client Experience

Client satisfaction (>80%) Confidence in client's ability to cope (↑15%)

Time to first contact (<24 hrs.)

System Performance

Bounce back from NPC (<5%) Adverse event rate (<1%) Use of technology (≥70%) Referral rates to and from external partner (↑ 5%) # of new partner agencies (≥1/yr..)

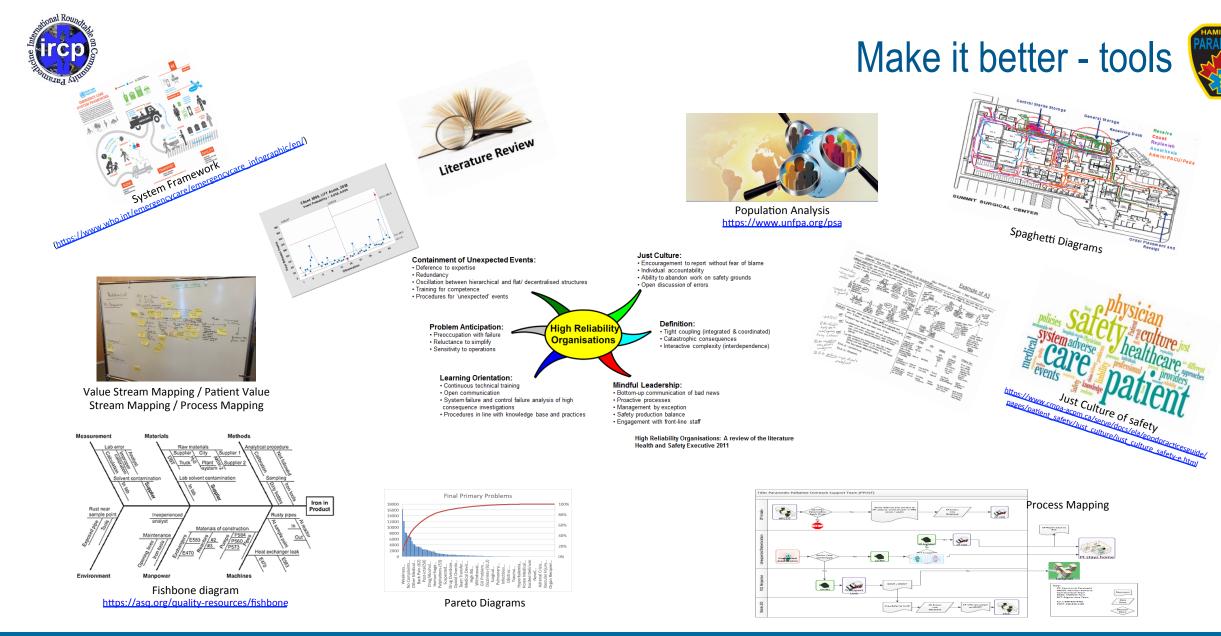
Organizational Learning & Growth

Staff/stakeholder/CP satisfaction (80%) Front line referrals (↑5%) Comments/month from staff/stakeholders outside CP (≥3/ quarter) CP specific CME (≥1/yr.)

Financial Performance

of days between calls for clients (↑ 5%)
#of repeat calls / identified client (↓ 15%)
of new repeat callers (↓ 10%)
Time on task (<90 minutes)
Favorable ICER (incremental cost effectiveness ratio)</pre>





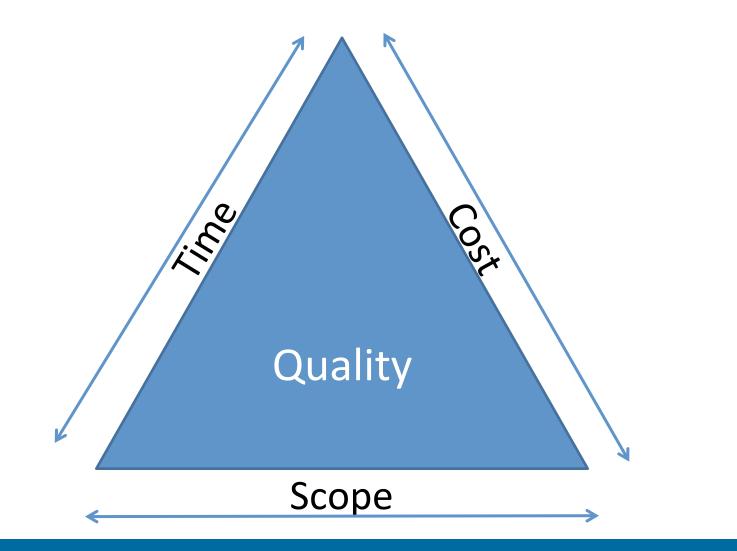
Hamilton

Healthy & Safe Communities Hamilton Paramedic Service – CP Sector



Make it Better-System Evaluation





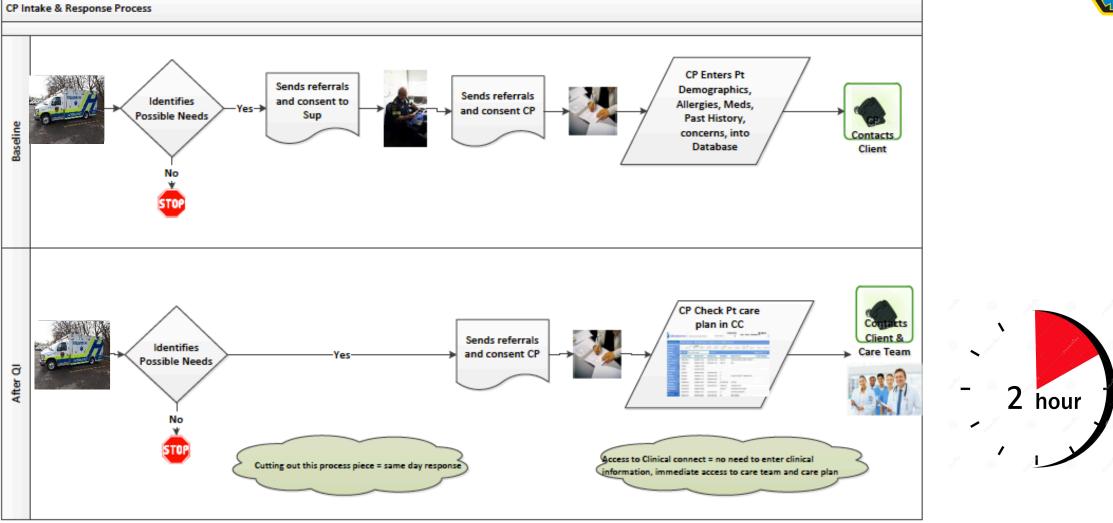


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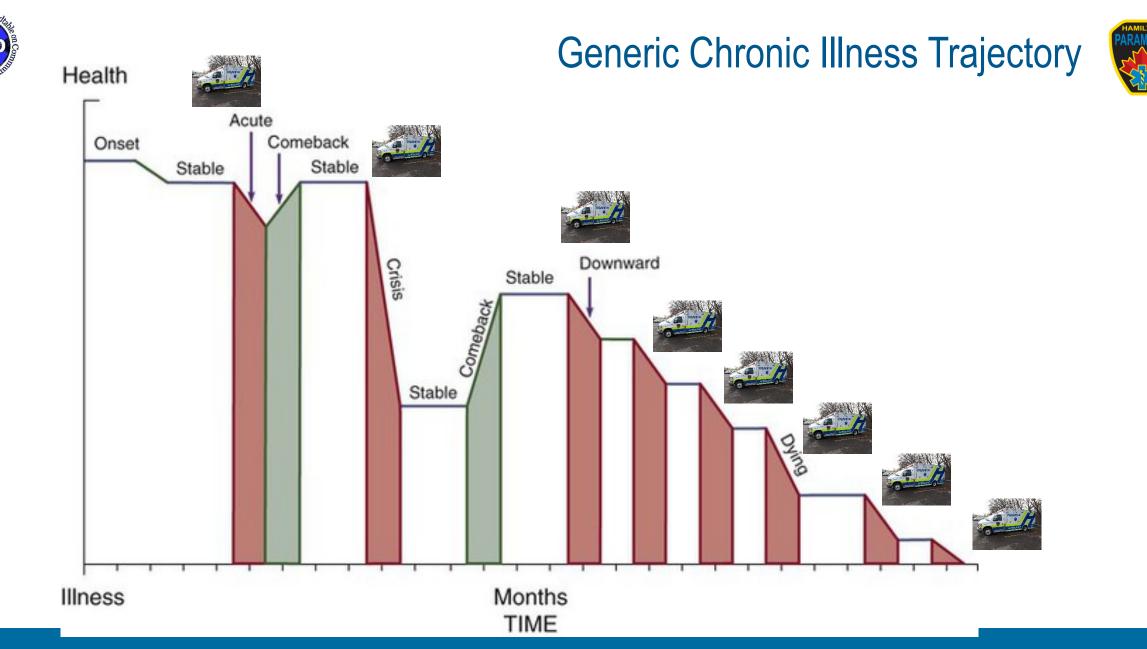
Freeing up time to care...VSM



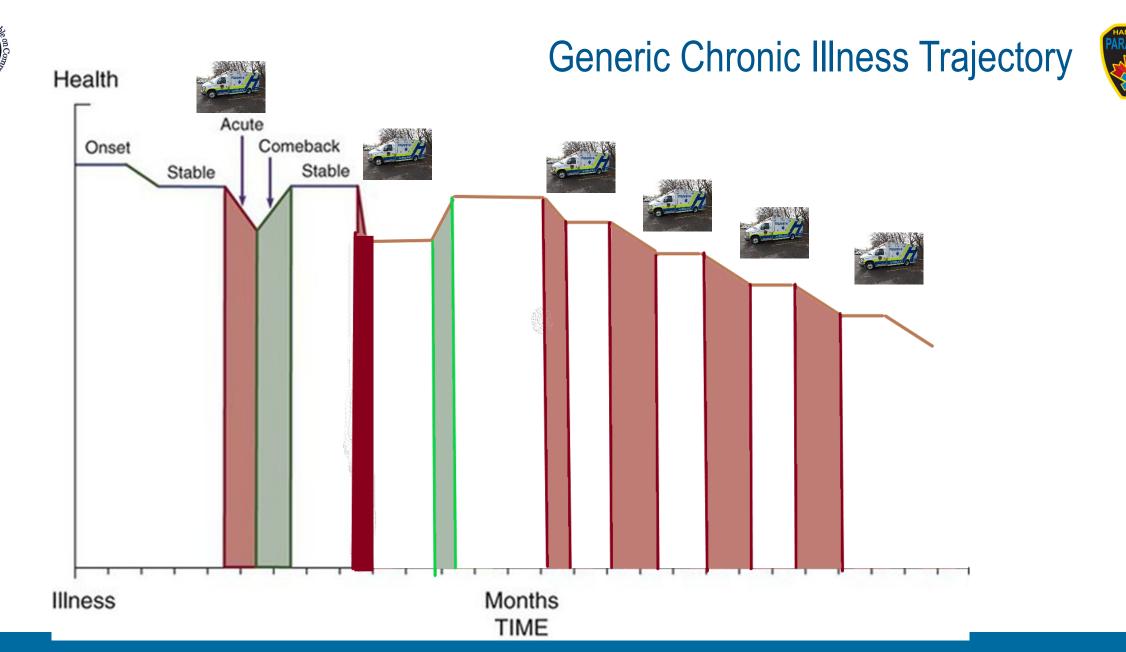


Hamilton

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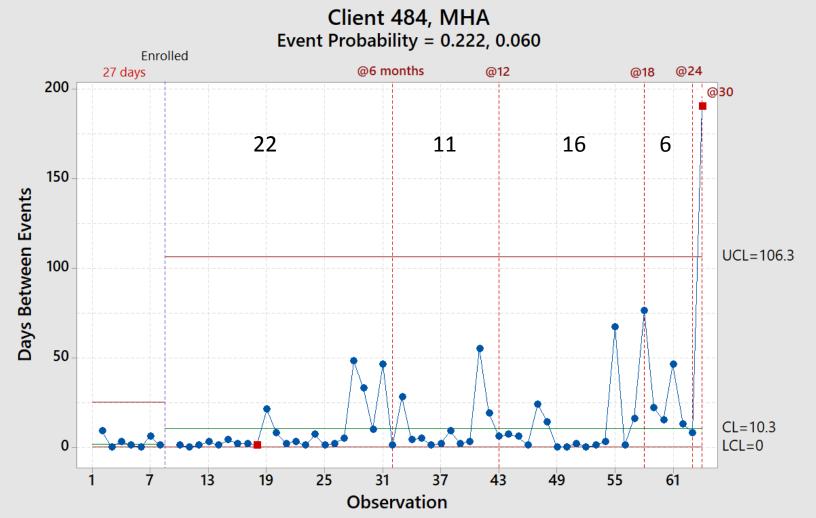
























	2017/18	2018/19	% change
Enrolled	114	444	289%
Home visits	357	240	-33%
Referrals to partners	206	319	54%
Clinic Visits	1440	2168	51%
Remote Patient Monitoring	35	58	66%
Reduction in repeat calls*	32%	67%	109%









# of calls / yr.	# of unique pts	Total calls	call / patient
>=80	2	185	92.5
40-79	14	688	49.1
20-39	36	918	25.5
10-19	190	2391	12.6
5-9	1013	6199	6.1
3-4	2912	9610	3.3
1-2	37381	43124	1.2

Top 5 populations Mental Health & Addictions Falls / Lift Assists Chronic Disease Elderly / LTC Palliative Care

Highest impact

Sum of repeat calls >=3	19991
# unique patients with >= 3 calls	4167
Total # of calls	63115
# of unique patients with 1 or 2 calls	43124
# of calls / day for repeat callers	55

32% of all calls are accounted by 10% of 911 callers









- Formal approach to system planning helps identify focus areas.
- Front line involvement in design is vital
- Focus on integrated partnerships
- Identify populations that are 'impactable'
- Use improvement tools to define / refine system performance









Hamilton Niagara Haldimand Brant LHIN RLISS de Hamilton Niagara Haldimand Brant

IMAGINE

a health care system where you and your loved ones get high quality care, where and when you need it.

We think know it's possible.

The Hamilton Niagara Haldimand Brant (HNHB) Local Health Integration Network (LHIN) is taking ACTION to put YOU at the centre of high quality care by changing the way the health care system works to serve you better.

> We're going to do better for people like Bernice. We've changed her name, but her story is real.

NOW Cost of Care \approx \$500,000 (Estimated over 5 years)

FUTURE Cost of Care \approx \$100,000 (Estimated over 5 years)

82-year-old Bernice lives at home and is visited weekly by her children and a personal support worker from the Community Care Access Centre (CCAC). She falls and gashes her arm.

 Ambulance takes her to hospital for treatment. No one in her circle of care is notified

CCAC surprised by injury.

One year later, she falls and breaks her hip. Ambulance takes her to local hospital.

· Waits in emergency department for three day then transferred to another hospital for surger Develops skin breakdown while waiting. Goes back to local hospital and contracts hospital infection during six-month recovery. Functional ability steadily declines

 Bernice sells her home and moves to a longterm care home.

Paramedic treats her in her home, notifies her family doctor right away, and makes a referral for a geriatric assessment. Providers in her circle of care know what's happening with Bernice in real time.

Enrolled in a falls prevention program to strengthen her muscles. Attends bingo with her friends.

nsferred right away to designated referral pital for surgery. back to local hospital to recover. week later, moves to transitional care program for one month to regain functional ability.

Bernice continues to live at home with ongoing pport.



Healthy & Safe Communities Hamilton Paramedic Service – CP Sector

Joe Pedulla, CHE, PMP, SSBB(c), MHSC, ACP, RRT

This is just Bernice's story. Picture a health care system where we do better for 10, 100 or even 1,000 people just like Bernice.