BREATH-TAKING ASTHWA MANAGEMENT FOR MEN AT MECF

Primary Care Improvement Facilitators Programme 2019

Samantha Huntley











IMPROVEMENT FACILITATOR

- Clinical Pharmacist for Mt Eden Pharmacy (MEP), Auckland
- Background: public hospitals UK & NZ
- Role involves providing and expanding clinical services:
- Local private hospitals
 - Managing supply demands
 - > Providing Clinical pharmacy services e.g. chart checks
 - > Education and quality work
- Project work with local GPs
- New initiatives based on need











BACKGROUND/CONTEXT

- Mt Eden Corrections Facility (MECP)
 - Auckland
 - Male prisoners
 - Predominantly remanded
- Health centre staff arrange for supply and delivery of medications from Mt Eden Pharmacy (MEP).
- Almost 50% of sentenced male prisoners are Māori.
- Asthma is the most common chronic disease in Māori male prisoners with a prevalence of 21%









IMPROVEMENT TEAM

Our project team are:

- Samantha Huntley (Clinical Pharmacist Advisor MEP)
- Melanie Salt (Enrolled Nurse, MECF),
- Lorraine Fletcher (Pharmacist & Owner, MEP),
- Jill Herridge (Health Centre Manager, MECF)









PROBLEM STATEMENT

The disproportionate supply from & return to MEP of "preventer" & "reliever" inhalers for asthma at MECF indicates poor management of asthma in a vulnerable population.



- Most inhalers supplied are "relievers" (61%)
- Most inhalers returned are "preventers" (74%)
- Relievers should be reserved for acute symptoms
- Patients requiring relievers on a frequent basis should be Rxd a regular ICS preventer









HIGH LEVEL AIM



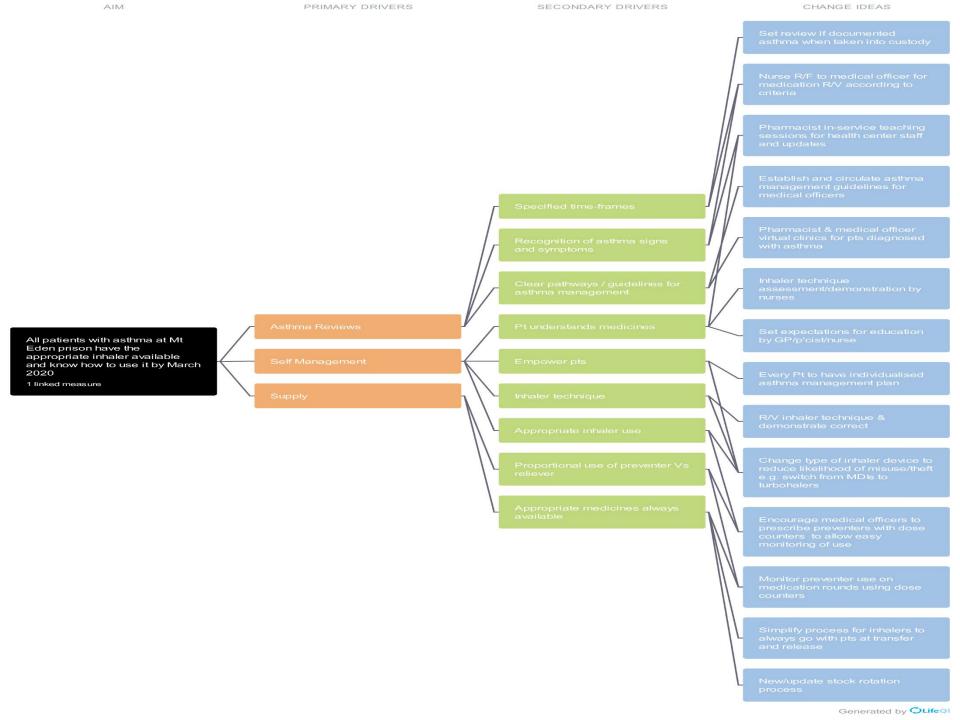
All patients with asthma at MECF have the appropriate inhaler(s) available and know how to use it (them) by March 2020











DIAGNOSE THE PROBLEM — DATA

Baseline data:

	Snapshot of Dispensing	Snapshot Returns
"Relievers"	61% (N = 50)	26% (N = 12)
"Preventers"	39% (N = 32)	74% (N = 35)

- Dispensing and returns don't correspond to same patients
- More information required...



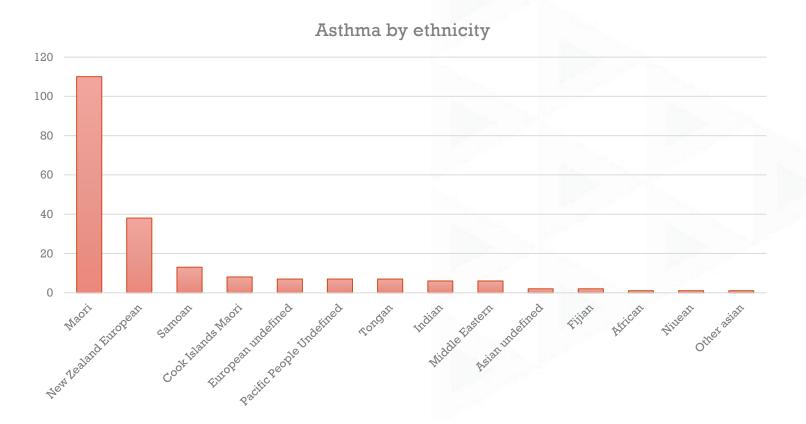






DIAGNOSE THE PROBLEM - DATA

• 19/8/19: Asthma in 209 out of approx. 960 (22%)



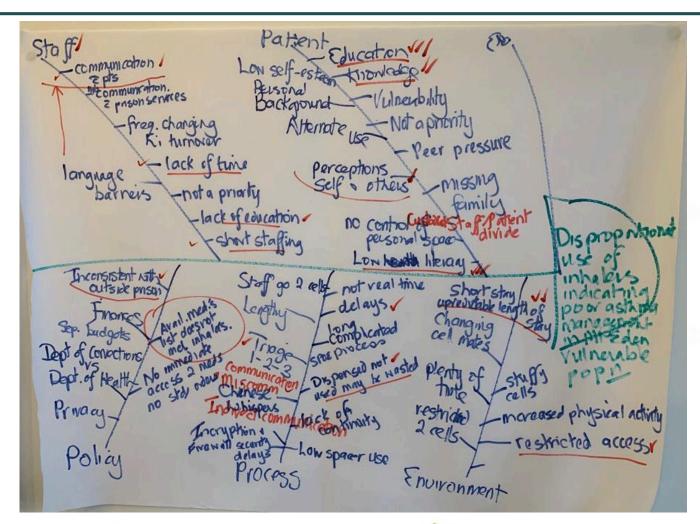








ISHIKAWA DIAGRAM



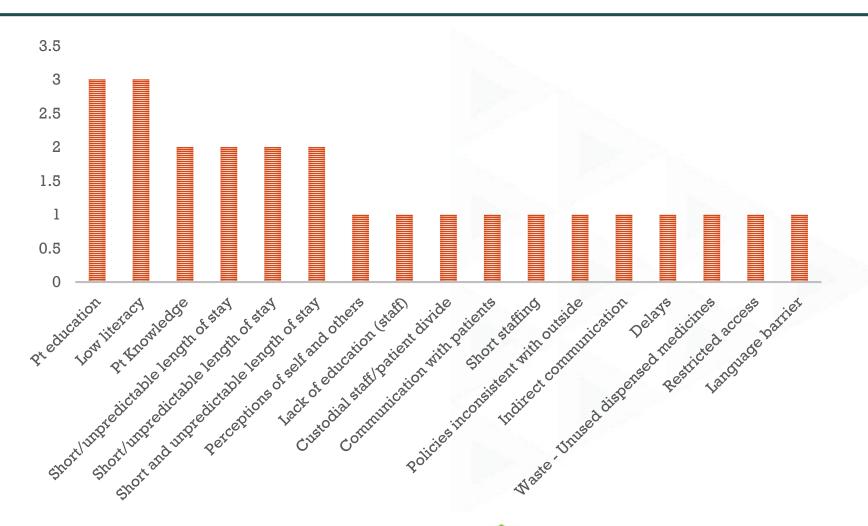








ISHIKAWA VOTES — TOP CONTRIBUTORS











PATIENT EXPERIENCE

Points for consideration...

- Asthma management
 Baseline vs environmental change e.g. exercise
- Supply versus demand (due to length of stay)
- Misuse?See picture
- Targeted by others
 Vulnerability,
 Uses for inhaler











CAPTURING THE PATIENT EXPERIENCE

- Questionnaire in development
- Unique environment some challenges
- Hoping to get health staff to ask the questions
- Liaise with partners in care team HQSC











STAKEHOLDERS ANALYSIS

28/4/19

	T		T	1
Stakeholder	No commitment	Let it happen	Help it happen	Make it happen
			x	x
Health Centre Manager, MECI	Concerns: limited own time & staff. Actions: No unnecessary meetings, ensure meetings are productive. Seek input for shaping project then delegate tasks to reduce required time commitment on weekly basis.			
Owner MEP				x x
	Action: Help secure and maintain resource commitment from MECF management			
Dispensary Manager, MEP		x	x	
	Action: Keep informed and involve in key tasks, invite to project meetings when relevant e.g. process mapping			
Health Centre Nurses, MECF	x		x	
	Action: Devise communication & feedback strategy			
Medical Officers, MECF	x		x	
	Concerns: Limited time, unsure if aware of project. Actions: Open channel for communication. Seek expertise on clinical aspects of project.			
Patients in custody, MECF	x	x		
	Action: Communicate reasons for change & involve representative in design where possible.			
Nurse Representative, MECF			x	x
	Action: Keep informed and positive. Keep an eye on project workload versus available time.			

X = Current State

X = Desired State









OUTCOME MEASURES

- Number of pts with the appropriate inhaler, measured by:
 - No. men in MECF with a recorded diagnosis of asthma each month
 - No. men with asthma that is not well controlled as per Asthma Control Test (ACT)
- Number of pts with the appropriate inhaler available to them

MEP dispensing records (institution report per inhaler)

Decrease in the number of returns?

3. Number of pts that know how to use their inhalers

Sample questionnaires









PDSA - QUESTIONNAIRE

Objective

Gather data that can be used in project measures

Change Idea

Questionnaire for men in prison to establish:

- Their understanding of how to use
- Their level of asthma control (ACT)

Give to 1 patient, overseen by Health Centre team









PDSA - QUESTIONNAIRE

