

Inpatient initiation of pharmacotherapy for smoking cessation:

a quality improvement initiative

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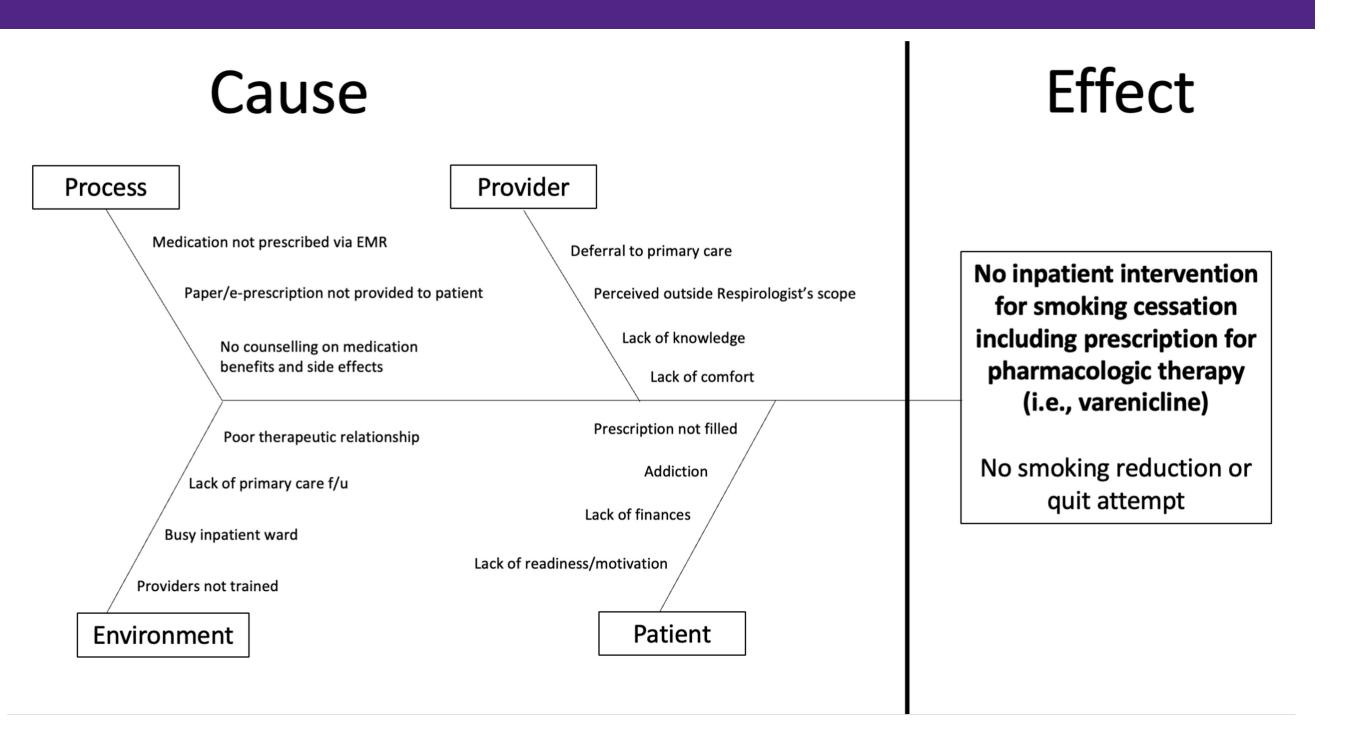


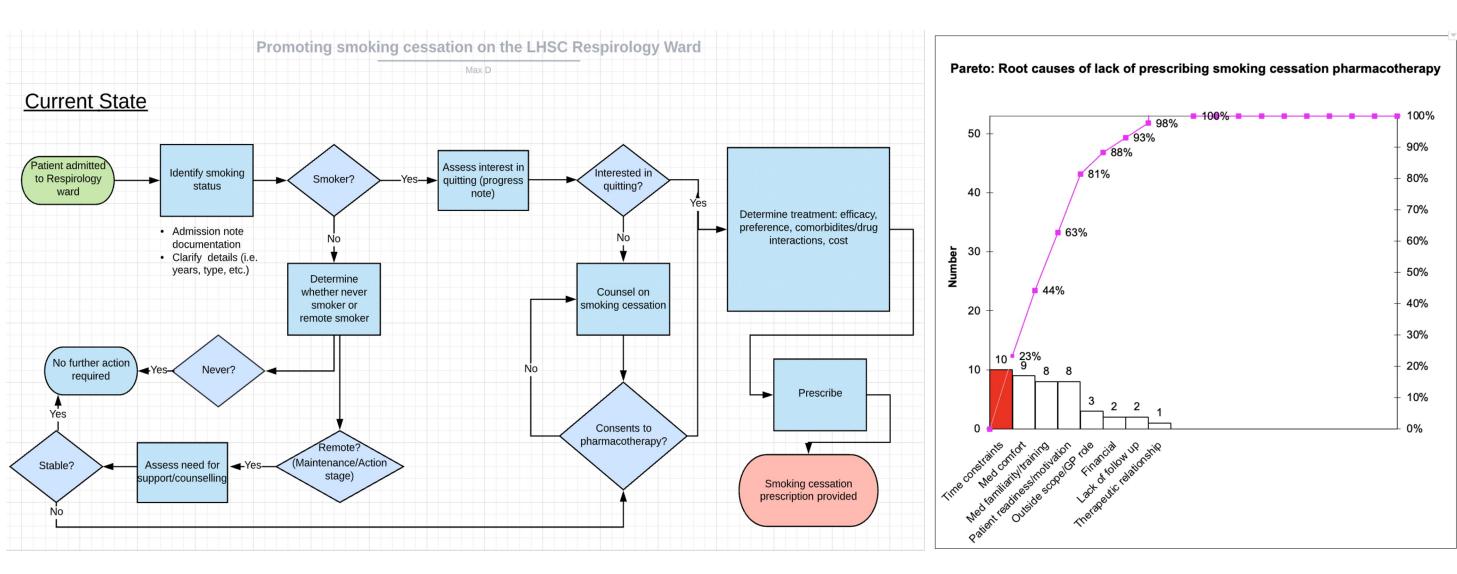
AIM Statement: By June 2023, increase the rate of initiation of smoking cessation therapies by 20% following prescription

PROBLEM DEFINITION

- Inpatient initiation of smoking cessation management is an accepted intervention to help patients quit smoking (1)
- Inpatients are rarely prescribed interventions to assist with smoking cessation at discharge
- Baseline data: retrospective chart review of discharged patients (n=59)
 - Active smokers: 29% (n=17)
 - Never smokers: 37% (n=22)
 - Remote smokers: 34% (n=20)
 - Offered smoking cessation pharmacotherapy: 6% (n=1/17)
- Only 3% of smokers who are untreated will obtain abstinence within a given year (2)
- By increasing prescriptions at discharge, we anticipate more smokers will be able to successfully quit smoking

ROOT CAUSE ANALYSIS





Top 3 Root Causes:

- 1. Time constraints
- 2. Medication comfort
- 3. Medication familiarity

Respirology Quality Improvement Initiative: Smoking Cessation on the VH Respirology Ward



Rationale¹:

- 3% of untreated smokers obtain abstinence in any given year.
- With pharmacotherapy, patients are more likely to quit.
- Among patients without interest or motivation to quit, pharmacotherapy is still recommended.

What is the project aim? Increase initiation rate of smoking cessation therapy at discharge among Respirology ward patients who are active tobacco smokers

What can you do?

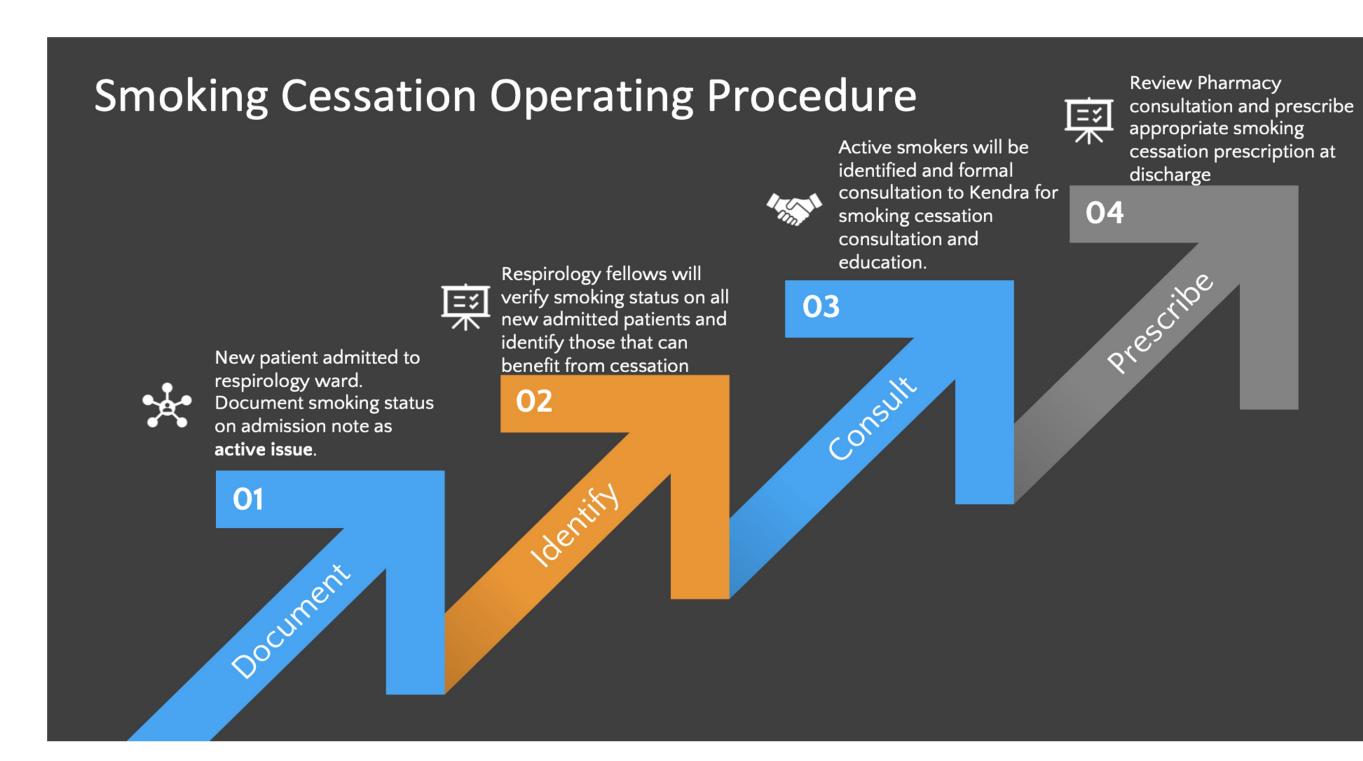
ASK	Advise	:	ACT	Consu	IT	Document
 Speak to patient Document tobaccouse Pharmacotherap	1. Encourage qu 2. Offer your hel	p 2. Cou using interv	er treatment insel patient motivational iewing	 Speak with Kendra (Pharn to flag patient detailed asses 	nacist) <i>A</i> for E	L. Discharge summar A) Smoking status B) Pharmacotherapy C) Means of access/p
Evidence	nce Clinical Su		itability Drug Interact		ons Patient factors	
First-line treatme	ent options:					
Buprop	ion	Var	ne	NRT		
Days 1-3: 150 mg PO daily Days 4-12 weeks: 150 mg PO BID - Start 1-2 weeks prior to quit date		Days 1-3: 0.5 Days 4-7: 0.5 Weeks 12-24	ID [Days 1-3: 0.5 mg PO daily Days 4-7: 0.5 mg PO BID Weeks 12-24: 0.5-1 mg PO BID		
□ Nicotine Replacer						
	< 10 cigs/day	10-19 cigs/	day 20-29 ci	igs/day 30-3	9 cigs/day	40+ cigs/day
Patch ⁴	□ 7mg Patch	□ 14mg Patc	h 🗆 21mg F		ng Patch mg + 7mg)	42mg Patch (21mg X 2) or higher*
If time to first cig is <30 mins after waking, consider higher dose NRT	□ 14mg Patch	□ 21mg Patch	n □ 28mg P (21mg +		ng Patch ng + 14mg)	
			Plus ^{4*}			
Short Acting NRT	□ Mouth Spray□ 2mg Gum□ 2mg Lozenge	☐ Mouth Spra ☐ 2mg Gum ☐ 2mg Lozeng	□ 4mg Gu	um 🗆 4mg	uth Spray g Gum g Lozenge	 □ Mouth Spray □ 4mg Gum □ 4mg Lozenge

For detailed assessment and detailed medication dosing/contraindications/precautions, see the Canadian Pharmacist Smoking Cessation Pharmacotherapy Algorithm Questions? Speak to Max, Ali, Rock or Abdallah (Respirology Fellows)

Leone et al. Am J Respir Crit Care Med. 2020 Jul 15;202(2):e5-31.
 Pharmacists for a Smoke Free Canada/Canadian Pharmacists Association. Smoking Cessation Pharmacotherapy Algorithm. Dec. 2018.

IMPLEMENTATION

- 1. Trainee education
- 3. Pharmacist consultation
- 2. Resource education 4. Patient education



MEASUREMENT & RESULTS

- Process measures:
- Proportion of patients with documented smoking status
- Proportion of residents aware of project/tools
- Balancing measures:
- Resident perception of workload
- Resident comfort with prescribing
- Outcome measures:
- Proportion of patients who receive pharmacy consultation
- Proportion of patients who are discharged with smoking cessation treatment

- **9/22**o Active smokers (n=7)
- o Status documented (5/7)
- Pharmacist consult

Data: Block 10 Apr 19-May

- O Pharmacist consult documented (4/7)
- O Prescription at discharge(3/7)

SUSTAINABILITY

- Process owner: Key stakeholders Respirology fellows; Pharmacist
- Documentation of new standards
- o Poster and SOP as tools to give structure to new standard
- Monitoring & response plan
- Pharmacist consultation → tracking number of patients receiving prescriptions

Leone et al. Am J Respir Crit Care Med. 2020 Jul 15;202(2):e5-31.
 Nahhas et al. J Soc Res Nicotine Tob. 2017 Aug 1;19(8):937-43.