

Introduction

- •Tobacco use is a risk factor that leads to preventable diseases, disability, and deaths (CDC, 2019).
- •The US DHHS, WHO and CDC recommend the 5A's and 5R's of smoking cessation as a clinical practice guideline

5 A's	
1. Ask	
2. Advise	
3. Assess	
If patient is willing to quit then,	If patient is not willing to quit then,
4. Assist	5 R's
5. Arrange	1. Relevance
	2. Risk
	3. Rewards
	4. Roadblocks
	5. Repetition

Background and Significance

- The Unites States Preventative Taskforce (2015) rates the 5 As and 5 Rs of smoking cessation to adults who are not pregnant a grade A recommendation.
- In primary care, the CDC reported that during a 3-year period \bullet 62.7% of smokers were screened, of those, only 20.9% received tobacco counseling and 7.6% received a prescription medication for tobacco dependence (Patnode et al., 2015).

Theoretical Framework

The Consolidated Framework for Implementation Research (CFIR) is a meta-theoretical framework that promotes and explains the implementation of evidence-based guidelines into multiple contexts integrating 19 implementation theories to improve the translation of evidence-based theories to practice (Damschroder et al., 2009).

Research Question

- In primary care, how does the implementation of multimodal non-pharmacological and pharmacological smoking cessation interventions using the 5 A's and the 5 R's, affect the uptake of screening and smoking cessation interventions in practice?
- 2. What are the barriers, facilitators, and unique findings pertaining to this practice that influence the implementation of smoking cessation interventions?
- In what manner has the potency and amenability of the CFIR 3. constructs changed throughout the project?
- 4. What personal lessons have been learned by the DNP student investigator via 1st person inquiry done before and throughout the implementation process of smoking cessations?

Implementation of Smoking Cessation in Primary Care

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Setting

The DNP project will be conducted in a primary care physician's office located in Bayonne, New Jersey. The healthcare team in this setting includes: A medical doctor (MD), nurse practitioner (NP), two medical assistants (MAs) and a billing assistant (BA).

Methods

This study was conducted by using a mixed methods participatory inside action research (PIAR) approach to implement multimodal smoking cessation interventions in a primary care setting.

The principles of PIAR emphasize that the process for implementation is not linear, but iterative

Research Procedures and Data Collection

Learning Circle.

LC#1. Training and education
LC #2 –Implementation planning
LC #3&4 -Barriers, Facilitators, and Adaptati
LC #5-Barriers and Facilitators to Implement
Sustainability Plan
LC #6 –Presentation of results to the team
Chart Review.
Assessed the uptake of the screening and smol
implementation
First-person inquiry.
Assisted the researcher in uncovering any pers
negatively affect her role as facilitator and res
CFIR Force Field Analysis.
Analyzed each of the constructs of the CFIR f
change.

Data analysis

Learning Circle.	Narrative data an
	open coding.
Chart Review Data.	Quantitative data
	statistics to meas
	the 5As & 5 Rs o
First-person	15 entries of refl
inquiry.	to study the pers
	knowledge devel
	organizational po
CFIR analysis	Force field analy
	amenability to cl

ion of the implementation plan. tation, Adaptation Plan, and

king interventions weekly after initial

spectives or opinions that might earcher

for their potency and amenability to

nalysis constant comparison and

a obtained from using descriptive sure the rates of implementation of of smoking cessation.

lective data as first-person inquiry sonal lessons learned related to elopment, process adaptation, and olitics implementation

ysis to rate constructs potency and hange.

Learning circles.	 Barriers (1) T Facilitators. (Unexpected fi Adaptation of (3) new interv interventions
Chart Review.	5A's highest adl 5R's highest adl
First Person Inquiry.	(1) input from miteration, (3) orghave also had le
CFIR.	Potency: (1) Design quali (2) Goals and fe (3) Available res (4) Planning L-3

- straightforward, and uniform.
- interviewing.
- practices.

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Results

Time (2) Other patient needs, (3) prescribing medications brief and simple interventions, (2) routine findings (1) self-disclosure of use of substances, (2) resignation of NP fimplementation (1) simplifying actions, (2) customizing referral sheet, ventions co-exist with existent workflows, (4) increasing uniformity of

therence: Asking 100%, Assistance 72% Iherence: Discussion of risks 21%

multiple sources avoids blind spots, (2) resistance that lessens with ganization hierarchy had a positive effect on implementation but might ed to the resignation of the NP.

lity and packaging $L \rightarrow H$ eedback L→H esources L→H →H

Amenability: Patient needs and resources L→H (2) Goals and feedback L→H (3) Available resources L→H (4) Engaging L→H (5) Champion L→H

Discussion

• This project had a significant impact on screening with smoking status and assisting patients with smoking cessation. The primary facilitator of these smoking cessation interventions (asking and assisting) was making the delivery of these interventions brief,

• In contrast, the intervention that required a higher skill level, were more time consuming had the lowest adherence. These were the 5R's of smoking cessation because they required the use of motivational

• Reimbursement of services may influence the time feefor-service practices choose to allot to the prevention of diseases. Hence, there is an increased need for valuebased reimbursement which support preventative care

References