

OTTAWA MODEL FOR SMOKING CESSATION

September 24, 2020



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AGENDA



- What is the OMSC?
- Does it work?
- How do I implement the

program?



THE MODEL

A simple, systematic, step-by-step approach for addressing tobacco use in healthcare settings





LITERATURE



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Treating Tobacco Dependence in a Medical Setting

Richard D. Hart, MD¹; Jos O. Ebbert, MD. MS²; J. Taulor Hays, MD³; David D. McFedder, MD⁴



Introduction

The US Public Health Service Guideline for Treating Tobacco Use and Dependence 2008 Update In 2008, the US Public Health Service (USPHS) released a comprehensive update of in 2000 Guideline for Treating Tobacco Use and Dependence¹ This evidence-based Guideline was updated by a pased of experts who have distilled a largenum of approxement han 8700 mecoregoinged articles and verticent comprehensive mere-



Strategies to increase the delivery of smoking cessation treatments in primary care settings: A systematic review and meta-analysis

Sophia Papadalis^{a, Ab, n}, Paul McDonald¹, Kerri-Anne Mullen¹, Robert Reid^{Ab}, Kimberly Skulsky¹, Andrew Pipe¹ ¹ hyperne (index liable *ed consequences)* (starts) of (spin-time) (spin-time). 200 University we list: Barelia, Dram, Gaula ¹ hyperne (index and histohari cree). Consequence of chains then chains. Consect Gaula

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NicotinNicotine & Tobacco Research Advance Access published November 10, 2009

Original Investigation

PM

Smoking cessation for hospitalized smokers: An evaluation of the "Ottawa Model"

Robert D. Reid, Kerri-Anne Mallen, Manika E. Slovine: D'Asgelo, Debbie A. Aisken, Sophia Papadakis, Patricia M. Haley, Christine A. McLaughlin, & Andrew L. Pipe

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REVIEW

Best practices for smoking cessation interventions in primary care

Andrew McIvor MD MSc RRCPC¹, John Kayser RN BScN², Jean-Marc Assaad PhD^{2,3}, Gerald Brosky MD CCFP¹, Penny Demarest RNEG BScN², Philippe Desmarais PHnam⁶, Christien Hampson PhD², Milan Khara MBChB⁸, Ratsamy Pathanmavong BSc MS², Robert Weinberg MD¹⁰



THE MODEL





OVER 500,000 SMOKERS REACHED

APPROXIMATELY 450 SITES

OVER 20,000 HEALTHCARE PROFESSIONALS TRAINED







THE OMSC





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SMOKING CESSATION



"The single, most powerful, preventive intervention in clinical practice."



A POWERFUL INTERVENTION

INTERVENTION	NNT TO SAVE ONE LIFE YEAR				
Smoking cessation	9				
Lowering lipids by 10%	16				
Blood pressure control with diuretics	34				
Mammography	205				
Papanicolaou smear	534				
Pneumococcal vaccine	716				



WE KNOW...

64%

of Smokers intend to quit¹ **49%**

will attempt to quit¹ **4-7%** will be successful²⁻³



Reid JL, et al. Tobacco Use in Canada: Patterns and Trends, 2015 Edition. 2015.
 Fiore MC, et al. Clinical Practice Guideline. US DHHS. 2008.
 (3) Zhu S, et al. Am J Prev Med. 2000; 18:305-311.

Source:

READINESS TO QUIT





EVIDENCE-BASED RESEARCH CAN DRAMATICALLY ENHANCE PATIENT SUCCESS WITH QUITTING

OOOO Combining medication with
OOOO further advice or behavioural
OOOO therapy increases continuous
OOOO abstinence up to 6 times.



THE CHALLENGE

THESE TREATMENTS ARE OFTEN NOT PROVIDED TO PATIENTS

We are not intervening with smokers at optimal rates

- Better at asking and advising (23%-80%)
- Not as good at intervening (0-20%)



REALITY OF HEALTHCARE SETTINGS

- Time constraints
- Provider knowledge and skills
- Complexity of the intervention
- Practice supports
- Smoking is not a priority
- Patient's motivation to quit





PROGRAM OUTCOMES



CLINIC PERFORMANCE IN THE 3AS DELIVERY PRE- AND POST-IMPLEMENTATION OF OMSC (32 CLINICS | N=3,870 PATIENTS)





Papadakis, S., et. al.. Annals of Family Medicine; 2016; 14(3): 235-243

OTTAWA MODEL EFFECTIVENESS IN CHAMPLAIN LHIN (2009/10)



(OR = 1.71; 95% CI = 1.11, 2.64; Z = 2.43; I2 = 0%; P = 0.02)



Reid RD, Mullen KA, Slovinec D'Angelo ME, Aitken DA, Papadakis S, Haley PM, McLaughlin CA, Pipe AL. Nicotine Tob Res. 2010 Jan;12(1):11-8

THE OTTAWA MODEL RESULTS IN SIGNIFICANT REDUCTIONS IN 30-DAY HEALTHCARE UTILIZATION





THE OTTAWA MODEL RESULTS IN SIGNIFICANT REDUCTIONS IN 2-YEAR HEALTHCARE UTILIZATION & RISK OF DEATH





CUMULATIVE MEAN HEALTHCARE COST OVER 2 YEARS





SAVINGS





SMOKING CESSATION

A HEALTHCARE NO-BRAINER.



OMSC IMPLEMENTATION





TRANSFORMING



INSTITUTIONAL PRACTICES



PROFESSIONAL BEHAVIOURS





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SWITCH GEARS





SWITCH GEARS



- Common goal and vision
- Coordinated approach
- Multiple staff with clear roles and responsibilities
- Clear protocols and procedures
- The right tools
- Education and training
- Practice
- Measurement and continuous quality improvement



IMPLEMENTATION WORKPLAN

- **PHASE 1** | Program Introduction
- **PHASE 2** | Pre-Implementation Evaluation
- **PHASE 3** | Program Planning and Protocol Development
- **PHASE 4** | Training and Promotion
- **PHASE 5** | Program Implementation
- **PHASE 6** | Post-Implementation Evaluation and Program Sustainability



IMPLEMENTATION SPECIALIST

OMSC IMPLEMENTATION SPECIALISTS





HEALTHCARE PROVIDERS



- Coaching
- Needs Assessment
- Program Adaptation
- Health Professional Training
- Data Management
- Evaluation
- Quality Improvement





PHASE 1: PROGRAM INTRODUCTION

- Establish Buy-in
- Sign partnership agreements
- Assign Coordinator and establish Task Force
- Host introductory meetings with Coordinator and Task Force



PHASE 2: PRE-IMPLEMENTATION EVALUATION





PHASE 3: PROGRAM PLANNING AND PROTOCOL DEVELOPMENT

- Task Force establishes policies, identifies interdisciplinary roles and responsibilities and creates patient flow sheet
- Tools are available to facilitate efficient integration (includes Follow-up System)
- Tools can be adapted for use within EMR/medical flow chart system



OMSC TOOLS & RESOURCES

Last Name:	First Name:					
Date of Birth: Phy.						
PLEASE COMPLETE THE FOLLOWING QUESTIONS:	ANSWER HERE					
L What form of tobacco do you currently use?	Cigarettes Pipe Cigar Smokeless tobacco Other					
2. How many years in total have you been smoking?	Years					
A. How many cigarettes do you usually smoke per day?	Cigarettes/day ORCigarettes/mc					
I. How soon after you wake up do you smoke your first cigarette?	D within 5 minutes D 6-30 minutes D 31-60 minutes D 40 minutes					
k. How many quit attempts (lasting >24 hours) have you made in the past year?	D No attempts D 1-2 attempts D 3 or more attemp					
d. Do others smoke in your home?	Diffes DiNo					
 Which of the following best describes your feelings about smoking right now? 	i would like to quit in the next 30 days i would like to quit in the next 6 months i am not planning on quitting in the next 6 months					
 On a scale from 1-5, how important is it to you to quit smoking? 	D1 D2 D3 D4 D5 (Innet important at all, Snextnemely important)					
b. On a scale from 1-5, how confident are you that you can quit smoking?	1 2 3 4 5 1+not confident at all, Svextremely confident)					
10. What are your reasons for wanting to quit smoking?	Health Reasons Ohlidren/Spouse Financial (Save Monay) Social Other:					
LL. What concerns, if any, do you have about quitting smoking?	Weight Gain I won't be successful Depression S Withdrewal symptoms Stress Beredom Other					
 Have you previously used quit smoking medications 	Nicotine Replacement Therapy: Gum Patch Int Prescription Medication: Bupropion/Zyban Vorenicline Chample: No Medication					
13. Does your drug benefit plan cover quit smoking medications?	D'Yes D'No D'Don't know D'No Benefit Plan					
14. Are you presently receiving follow-up telephone calls from the Quit Smoking Program?	□ Yes □ No					
15. How many caffeinated drinks (eg. coffee, tea, pop) do	P Drinks					





NAMES OF A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTIONO	ALIMENT'S	FOLLOW-UP CONSULT FORM						
Patient ID:	L	ast Name	ĸ		Fire	First Name:		
Address:	_ City	ty: Postal Code:						
Tel: Date of Birth:				Physician:				
1 Menth 2 Heath 2	Month 04	Meeth D	5 Month	G Menth	Date	Quit	Date	
ASSESS SMOKING STATU	5							
Have you used any form of tobacco in the past 7 days?				C No C N	es 🕨 Within 30 m	in of waking?	INO II	Yes - cigs/day
MEDICATIONS MANAGEM	IENT			10,000,000	iy A			
Are you still using the quit smoking medication we recommend				ied?	□ No □ Yes i	Type Dose		
Do you have any questions o	r concerns abo	nut using th	emedica	stion?	D No D Yes			
WITHDRAWA	& SIDE EFF	ECTS			м	OOD CHAN	iES	
Have you experienced any of the following symptoms? Rate Severity (Mild (0) - Severe [4])			Have you or your family/fillends noticed any changes to your moo since quitting? Rate Severity (Hild [2] - Sevene [4])					
🗆 Nausea	10 00	02 03	04	D'Anger,	hostility	00	11 02	03 04
C) Headache	00 01	02 03	0.4	C Anxiet	Y	000	31 02	03 04
C Sleep Elsturbance	D0 D1	02 03	0.4	C Feelin	g depressed	0.0	11 12	D3 D4
Skin irritation	00 01	02 03	04	D Other		000	11 02	D3 D4
3 Restiessness	D0 D1	02 03	- 14					
Difficulty Concentrating	00 01	02 03	04					
3 Other	00 01	02 03	114					
CAFFEINE USE How many ca	ffinated bever	ages one ye	xı drinkir	ng per day?	0 0 1-2	024 0.4		
CRAVINGS Have you had any	cravings to sr	noke?			□ No □ Yes			
RELAPSE RISK								
Have there been any situations that made you feel like you were at risk for going back to smoking?				D No D Yes				
From 1-10, with 10 being most confident, how confident are you that you can quit smoking/stay quit?				01 02 03 04 05 06 07 08 09 010				
QUIT PLAN SUMMARY								
Nedications Management:	Dose:	Notes/	Lot#					
3 Varenicine	mg							
3 Bupropion	me		_					
3 Patch	mg							
3 Gurm	mg		_				_	
1 inhalar	cart		_			_	_	
l cosenge	mg		_	_		_	_	_
a wordtu sbrak	disp	_	_	_		_	_	_
telapse Prevention Plan					201010			
stor					Plan:			
Notes and Comments:								



OMSC DATABASE





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PHASE 4: TRAINING AND PROMOTION





PHASE 5: PROGRAM IMPLEMENTATION





PHASE 6: POST-IMPLEMENTATION EVALUATION AND QUALITY IMPROVEMENT





WILL YOUR PROGRAM ENDURE?



Routinization is the fundamental process in the sustainability of programs



ROUTINIZATION



- 1. Becoming a line item
- 2. Getting the staffing right
- 3. Nailing the process
- 4. Keeping Score: Accountability



"THE WAY THINGS ARE DONE AROUND HERE."



STRIVE TO BE THE "PIT CREW"





SAVE THE DATE

13TH ANNUAL OTTAWA CONFERENCE

STATE OF THE ART CLINICAL APPROACHES TO SMOKING CESSATION

January 21-22, 2021



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HEARTWISE WEBINAR SERIES

QUESTIONS?

All sessions will be recorded and available on our Prevention and Wellness Centre (PWC) website.

PWC.OTTAWAHEART.CA

Please email heartwisewebinar@ottawaheart.ca if you have any questions or ideas for additional topics.

THANK YOU FOR JOINING!