

Université **m** de Montréal



Vaccination by the pharmacist: Impact of an awareness program for pharmacy students

Background

Immunization prevents millions of deaths per year. Pharmacists have been involved in immunization programs, including education, facilitation, reference and administration. In Canada, most provinces have given to pharmacists an injection authority.

Objectives

The aim of this study was to evaluate the impact of an awareness program on vaccination for pharmacy students.

Methods

- Descriptive pre/post study.
- In November 2017, first year Pharm D students were exposed to a 10-minute video about influenza/ pneumococcal infections, immunization coverage and the evidences about the roles and the impacts of pharmacists in immunization.
- A pre-post online survey was administered to capture their profiles, knowledges, behaviors and satisfaction.
- Data were analyzed with Chisquare tests on the SPSS software.

Results

PARTIC

- 199 stu
- Particip
- Pre:
- Post:
- 44% of worked
- 74 % w activitie collabo

BEHAVIORS

Variables

Exposure ⁻ pharmacis scientific I

Verify vaco

Identify elig vaccinatio

Document patient's re

Consultation

Conclusion This original intervention increased awareness of pharmacy students about the involvement of pharmacists in immunization and showed a benefit of being exposed to the literature about the roles and the impacts of pharmacists. Students should be mobilized during their training for future pharmacists' activities as they can eventually contribute to increase patients' immunization.

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CIPANTS	PROFILE			
tudents were surveyed	Variables	PRE intervention n (%)	POST intervention n (%)	Р
ipation rate:	Immunization	No personal coverage in the	Planned immunization for the	p=0.099
: 100%;		last three years	next flu season	
st: 93%.		133 (67%)	108 (59%)	
of respondents had already	Injection authority	Agree with the vaccination	Agreed with the vaccination	p=0.142
ed in pharmacy.		carried out by pharmacists	carried out by pharmacists	
were exposed to vaccination		171 (86%)	167 (91%)	
ies in pharmacy in oration with nurses.				, ,

S	Questions n (%)	Questions POST n (%)	р
e to roles and impacts of sists in immunization with literature	« Have you ever read articles demonstrating the roles and impacts of pharmacists' immunization interventions? » 23 (12%)	« I am now interested in reading articles about the roles and the impacts of pharmacists involved in immunization» 171 (93%)	p<0.0001
ccination status	 « In my opinion, the pharmacist must ask for the vaccination status of patients » 139 (70%) 	« I will verify vaccination status» 171 (93%)	p = 0.0001
eligible patients for ion	 « In my opinion, the pharmacist must identify eligible patients for vaccination » 180 (90%) 	 « I will identify eligible patients for vaccination » 180 (98 %) 	p = 0.002
nt vaccination status in records	 « In my opinion, the pharmacist must document vaccination status in patient's records» 172 (86%) 	« I will document vaccination status in patient's records » 177 (91%)	p = 0.001
ation of clinical guidelines	« I know the existence of the immunization schedule of the Quebec Immunization Protocol (PIQ) » 36 (20%)	 « I will consult the immunization schedule of the Quebec Immunization Protocol (PIQ) » 121 (66%) 	p<0.0001



This video can be viewed on Youtube https://www.youtube.com/watch?v=jcx-06U9X1A&feature=youtu.be

