

To vaccinate or not to vaccinate: Impact of a public health action on vaccine hesitancy

Yassine Dhif^{1,2}, Pascal Bonnabry^{1,2}, Alessandro Diana^{3,4}

- 1 Geneva University Hospital, Pharmacy Department, Geneva, Switzerland 2 University of Geneva, Institute of Pharmaceutical Sciences of Western Switzerland (ISPSO), School of pharmaceutical sciences
- 3 University of Geneva, Institute of Pharmaceutical Sciences of Western Switzerland (18780), School of Pharmaceutical sciences of We
- 4 Pediatric Center, Clinique des Grangettes, Geneva

Objectives

- Identify barriers to vaccination against SARS-CoV-2
- Conduct an action focused on vaccine hesitant people using motivational interviewing (MI) to improve vaccine adherence and trustworthy

Conclusions

- Vaccination confidence increased by 29% thanks to MI and vaccination rate reached 52%
- Containing the pandemic is the main motivation for vaccination and fear of vaccine side effects and doubts about its effectiveness are the main barriers

n=219

n=96

n = 31

n = 21

(NHCW)

n=10

(HCW)

MI has a major impact on vaccination rate in HCW

Pre-test

Interest for

the study

Participants

to the study

Occupational

group

Method

Pre-test

- Measurement of the level of confidence in vaccination before the study
- Identification of barriers to vaccination



Zoom® Session

- Interprofessional team (physician, pharmacist)
- Presentation of facts about vaccination (15')
- Responses to participants using MI (45')

Post-test

 Measurement of the level of confidence in vaccination after the study

Vaccination status

Request for vaccination status against Covid-19

Reasons for vaccination and for non-vaccination

Satisfaction survey

Vaccination status after the study No answer Non-vaccinated Vaccinated 10.0% 10.0% 51.6% 41.9%

Total: 51,6% HCW: 90% NHCW: 33%

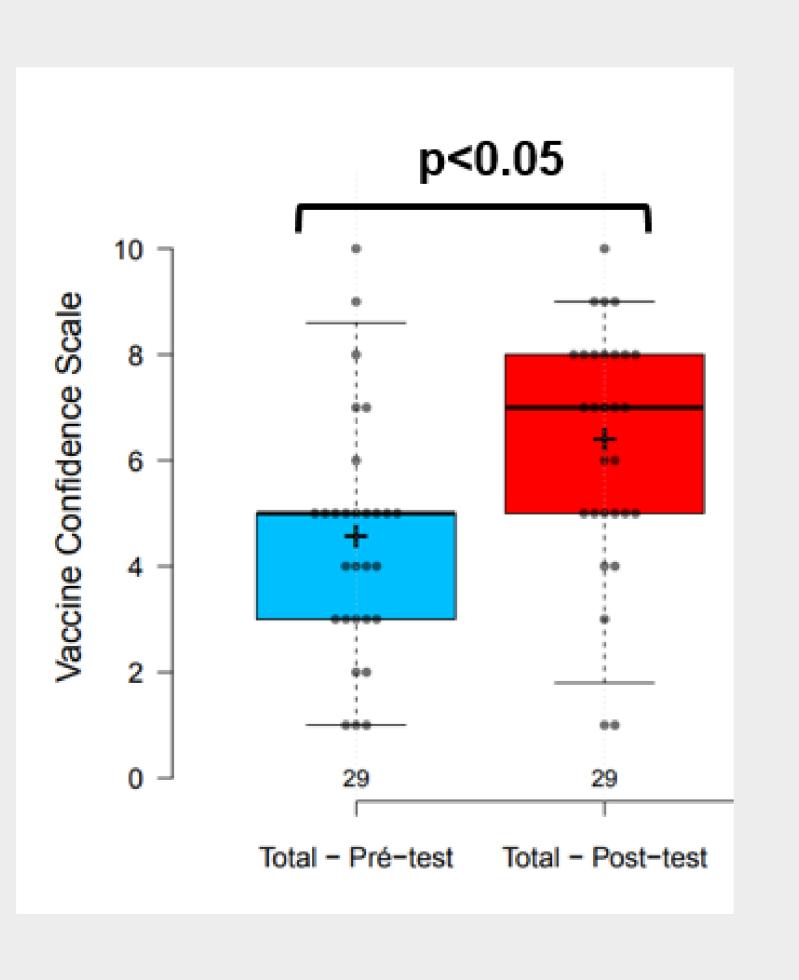
HCW: Healthcare worker NHCW: Non-healthcare worker

Degree of confidence in vaccination (scale of 1 to 10)

Before

August 2021

4,5/10



After

6,3/10

+ 29%

Reasons for vaccination and for non-vaccination

- 1) Stem the pandemic (38%)
- 2) Positive benefit-risk ratio for the vaccine (31%)
- 3) Protect the others (18%)

Reasons in favor of vaccination

- 1) Doubts about effectiveness (15%)
- 2) Fear of side effects (15%)
- 3) Lack of perspective (15%)

Reasons against vaccination



Contact: yassine.dhif@hcuge.ch











