

# Predictors of influenza vaccination uptake among elderly in Croatia

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## Background

- influenza vaccination (IV) is recommended for elderly
- vaccination coverage in this group remains unsatisfactory in Croatia

## Aim

- to explore IV uptake among elderly from Eastern Croatia and predictors that influence this uptake

## Methods

- cross-sectional questionnaire study conducted during 2018/2019 influenza season
- convenient sample of older adults aged 65 years or more from Eastern Croatia

## Conclusion

- observed IV uptake is far below EU target influenza vaccination coverage among elderly of 75%
- fairly good predictors of IV uptake in study population were gender, older age group, and previous year vaccination history while attitudes, knowledge and presence of comorbidities were fairly poor predictors

## Results

- 816 subjects, 48.0% males and 52.0% females, the median age 73.0 years;
- the overall prevalence of IV uptake was 33.3%; more frequent among females (Figure 1.), and old-old subgroup (Figure 2)
- the median number of positive attitudes towards IV was 4.0 and the median number of correct answers was 6.0
- there was fair positive correlation between attitudes and IV uptake ( $\rho=0.477$ ;  $P<0.001$ ) and poor positive correlation between knowledge and IV uptake ( $\rho=0.242$ ;  $P<0.001$ )
- there was poor positive correlation between presence of comorbidities and IV uptake ( $\rho=0.187$ ;  $P<0.001$ ) and moderate positive correlation between previous year vaccination history and IV uptake ( $\rho=0.669$ ;  $P<0.001$ )

Figure 1. Influenza vaccination according to the gender ( $P<0.001$ )

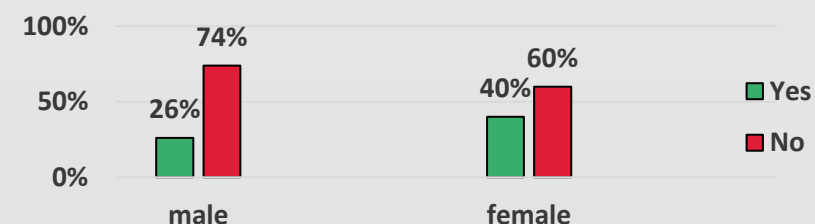
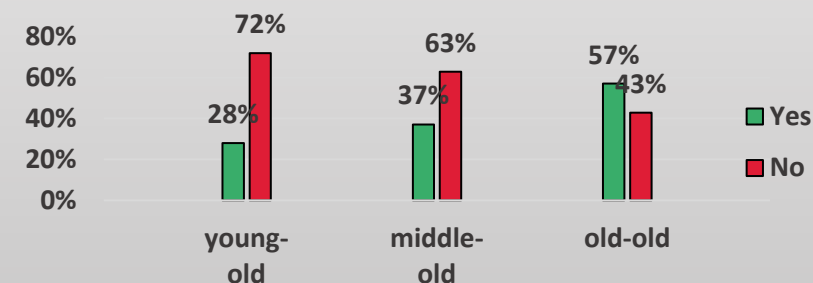


Figure 2. Influenza vaccination according to the old age subgroups ( $P<0.001$ )



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