

Supplementary Table 1: Questionnaire wording and response scales of the pre-result and post-result questionnaires

Pre-result questionnaire		
Variables	Questionnaire wording	Response scale
Perception of general vaccine statement	In general, I am in favor of vaccination: <input type="checkbox"/> Strongly against <input type="checkbox"/> Against <input type="checkbox"/> Favorable <input type="checkbox"/> Strongly favorable <input type="checkbox"/> I don't know	2 categories (Strongly against/Against/Don't know versus Favorable/Strongly favorable)
Perception of influenza severity	In my opinion, seasonal influenza is a disease: <input type="checkbox"/> Not severe <input type="checkbox"/> Mildly severe <input type="checkbox"/> Severe <input type="checkbox"/> Highly severe	- 2 categories (Not severe/Mildly severe Versus Moderately severe/ Highly severe)
Perception of influenza vaccine benefits	I think that seasonal influenza vaccine can prevent me from catching seasonal influenza <input type="checkbox"/> Strongly disagree <input type="checkbox"/> Disagree <input type="checkbox"/> Neither agree nor disagree <input type="checkbox"/> Agree <input type="checkbox"/> Strongly agree I think that seasonal influenza vaccine can also prevent other people around me from catching seasonal influenza <input type="checkbox"/> Strongly disagree <input type="checkbox"/> Disagree <input type="checkbox"/> Neither agree nor disagree <input type="checkbox"/> Agree <input type="checkbox"/> Strongly agree I think that seasonal influenza vaccine presents more advantages than risks <input type="checkbox"/> Strongly disagree <input type="checkbox"/> Disagree <input type="checkbox"/> Neither agree nor disagree <input type="checkbox"/> Agree <input type="checkbox"/> Strongly agree	-5-points Likert scale (range 0-3 with 1.5 points for "don't know answer").

<p>Perception of barriers to the influenza vaccination</p>	<p>I think that seasonal influenza vaccination is painful</p> <ul style="list-style-type: none"> <input type="checkbox"/> Strongly disagree <input type="checkbox"/> Disagree <input type="checkbox"/> Neither agree nor disagree <input type="checkbox"/> Agree <input type="checkbox"/> Strongly agree <p>I think that seasonal influenza vaccination can cause fever, pain or other adverse effects</p> <ul style="list-style-type: none"> <input type="checkbox"/> Strongly disagree <input type="checkbox"/> Disagree <input type="checkbox"/> Neither agree nor disagree <input type="checkbox"/> Agree <input type="checkbox"/> Strongly agree <p>I think that seasonal influenza vaccination can cause influenza disease</p> <ul style="list-style-type: none"> <input type="checkbox"/> Strongly disagree <input type="checkbox"/> Disagree <input type="checkbox"/> Neither agree nor disagree <input type="checkbox"/> Agree <input type="checkbox"/> Strongly agree <p>I think that seasonal influenza vaccination can cause interference with natural immune response</p> <ul style="list-style-type: none"> <input type="checkbox"/> Strongly disagree <input type="checkbox"/> Disagree <input type="checkbox"/> Neither agree nor disagree <input type="checkbox"/> Agree <input type="checkbox"/> Strongly agree 	<p>-5-points Likert scale (range 0-3 with 1.5 points for “don’t know answer”).</p>
<p>Cues to action</p>	<p>I trust the pharmaceutical firms who produce the seasonal influenza vaccine</p> <ul style="list-style-type: none"> <input type="checkbox"/> Strongly disagree <input type="checkbox"/> Disagree <input type="checkbox"/> Neither agree nor disagree <input type="checkbox"/> Agree <input type="checkbox"/> Strongly agree <p>I trust the health authorities who recommend seasonal influenza vaccination</p> <ul style="list-style-type: none"> <input type="checkbox"/> Strongly disagree <input type="checkbox"/> Disagree <input type="checkbox"/> Neither agree nor disagree <input type="checkbox"/> Agree <input type="checkbox"/> Strongly agree <p>I trust general practitioner who recommend seasonal influenza vaccination</p> <ul style="list-style-type: none"> <input type="checkbox"/> Strongly disagree <input type="checkbox"/> Disagree <input type="checkbox"/> Neither agree nor disagree <input type="checkbox"/> Agree <input type="checkbox"/> Strongly agree 	<p>-5-points Likert scale (range 0-3 with 1.5 points for “don’t know answer”).</p>

Willingness to be vaccinated against seasonal influenza in the subsequent season	<p>Will you be willing to be vaccinated against seasonal influenza next year?</p> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know	- 2 categories Yes versus No /don't know
<u>Post-result questionnaire</u>		
Perception of influenza severity	<p>In my opinion, seasonal influenza is a disease:</p> <input type="checkbox"/> Not severe <input type="checkbox"/> Mildly severe <input type="checkbox"/> Severe <input type="checkbox"/> Highly severe	- 2 categories (Not severe/Mildly severe Versus Moderately severe/ Highly severe)
Willingness to be vaccinated against seasonal influenza in the subsequent season	<p>Will you be willing to be vaccinated against seasonal influenza next year?</p> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know	- 2 categories Yes versus No /don't know

Supplementary Table 2

2a)

Factors associated with the willingness to be vaccinated against influenza in the subsequent season in the subpopulation who reported seasonal influenza vaccination for the current season; Fully adjusted model (N=135)

Variables	Adjusted Relative Risk	95%CI	p-value
<u>In-hospital clinical evolution</u>			
In-hospital complication			
No	1	ref	0.78
≥1	1.01	(0.92-1.11)	
Influenza laboratory test			
Negative result	1	ref	0.47
Positive result	0.96	(0.87-1.07)	
<u>Attitudes towards influenza disease and vaccination</u>			
Perception of influenza severity			
No/mildly severe	1	ref	0.25
Moderate or highly severe	1.27	(0.84-1.93)	
Perception of general vaccine statement			
Strongly against/against/don't know	1	ref	0.30
Favorable/strongly favourable	1.17	(0.87-1.56)	
Perception of influenza vaccine benefits	1.02	(0.99-1.05)	0.20
Cues to action	1.05	(1.02-1.09)	0.004
Perception of barriers to the influenza vaccination	0.99	(0.97-1.01)	0.28

CI: Confidence interval

*Adjusted for season of inclusion, age, location of participating hospitals, sex and comorbidities

2-b: Factors associated with the willingness to be vaccinated against influenza in the subsequent season in the subpopulation who reported no seasonal influenza vaccination for the current season; Fully adjusted model (N=173)

Variables	Adjusted Relative Risk	95%CI	p-value
<u>In-hospital clinical evolution</u>			
In-hospital complication			
No	1	ref	0.16
≥1	1.21	(0.93-1.57)	
Influenza laboratory test			
Negative result	1	ref	0.0009
Positive result	1.53	(1.19-1.96)	
<u>Attitudes towards influenza disease and vaccination</u>			
Perception of influenza severity			
No/mildly severe	1	ref	0.57
Moderate or highly severe	0.86	(0.50-1.46)	
Perception of general vaccine statement			
Strongly against/against/don't know	1	ref	0.89
Favorable/strongly favourable	0.97	(0.68-1.39)	
Perception of influenza vaccine benefits	1.11	(1.03-1.20)	0.005
Cues to action	1.10	(1.01-1.18)	0.02
Perception of barriers to the influenza vaccination	0.94	(0.89-0.99)	0.05

CI: Confidence interval

**Adjusted for season of inclusion, age, location of participating hospitals, sex and comorbidities*