

Supporting Table S3

Puig-Barberà et al., Influenza vaccine effectiveness in preventing influenza A(H3N2)-related hospitalizations in adults targeted for vaccination by type of vaccine: a hospital-based test-negative study, 2011-2012 A(H3N2) predominant influenza season, Valencia, Spain, *PLoS One*, 2014

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Table S3a Characteristics of unvaccinated and vaccinated subjects (i)

	Unvaccinated	Vaccinated ^a	Crude odds ratio (95% CI)	P-value (LR test)
	Number (%)	Number (%)		
	745 (39)	1,169 (61)		
Age, mean in years (s.d.)	71.6 (14.8)	78.3 (10.2)		<0.0001
Age group				
18-49	73 (84)	14 (16)	1.0	<0.0001
50-64	138 (55)	112 (45)	4.2 (2.3-7.9)	
65-74	178 (44)	231 (56)	6.8 (3.7-12.4)	
75-79	122 (33)	247 (67)	10.6 (5.7-19.5)	
80-84	106 (31)	235 (69)	11.6 (6.2-21.4)	
>=85	128 (28)	330 (72)	13.4 (7.3-24.7)	
Sex				
Male	378 (35)	692 (65)	1.0	0.0003
Female	367 (43)	477(57)	0.7 (0.6-0.9)	
High-risk conditions				
None	105 (45)	128 (55)	1.0	<0.0001
One	301 (45)	373 (55)	1.0 (0.8-1.4)	
Two or more	339 (34)	668 (66)	1.6 (1.2-2.2)	
Body mass index				
<18.5	17 (57)	13 (43)	0.5 (.2-1.1)	
18.5 to 24.9	230 (40)	347 (60)	1.0	0.1684
25 to 29.9	276 (37)	470 (63)	1.1 (0.9-1.1)	
30 to 39.9	197 (39)	310 (61)	1.0 (0.8-1.3)	
>=40	25 (46)	29 (54)	0.8 (0.4-1.3)	
Smoking				
Never	341 (39)	532 (61)	1.0	<0.0001
Ex-smoker	249 (31)	548 (69)	1.4 (1.2-1.7)	
Current smoker	155 (64)	89 (36)	0.4 (0.3-0.5)	
Occupational social class				
Professional to skilled manual	173 (39)	274 (61)	1.0	0.9127
Partially skilled- unskilled	572 (39)	895 (61)	1.0 (0.8-1.2)	

CI Confidence Interval

LR Likelihood ratio

a Vaccinated 15 or more days before onset of symptoms.

Table S3b Characteristics of unvaccinated and vaccinated subjects (ii)

	Unvaccinated	Vaccinated ^a	Crude odds ratio	P-value
	Number (%)	Number (%)	(95% CI)	(LR test)
	745 (39)	1,169 (61)		
Outpatient visits last three months				
None	204 (48)	220 (52)	1.0	<0.0001
One	164 (41)	236 (59)	1.3 (1.0-1.8)	
Two or more	377 (35)	713 (65)	1.8 (1.4-2.2)	
Times hospitalized previous 12 months				
None	500 (40)	746 (60)	1.0	0.2841
One	162 (38.5)	259 (61.5)	1.1 (0.9-1.3)	
Two	42 (33.3)	84 (66.7)	1.3 (0.9-2.0)	
Three or more	41 (33.9)	80 (66.1)	1.3 (0.9-1.9)	
Symptom onset to swab (days)				
1 to 2	141 (41)	207 (59)	1.0	0.8486
3 to 4	261 (39)	416 (61)	1.1 (0.8-1.4)	
5 to 7	266 (39)	414 (61)	1.1 (0.8-1.4)	
>7	77 (37)	132 (63)	1.2 (0.8-1.7)	
Seasonal 2010 recorded				
No	628 (79)	169 (21)	1.0	<0.0001
Yes	117 (10)	1000 (90)	31.8 (24.6-41.0)	
Seasonal 2009 recorded				
No	582 (76)	188 (24)	1.0	<0.0001
Yes	163 (14)	981 (86)	18.6 (14.8-23.5)	
Pandemic 2009 recorded				
No	662 (49)	679 (51)	1.0	<0.0001
Yes	83 (14)	490 (86)	5.8 (4.5-7.4)	
23 polysaccharide pneumococcal vaccine				
No	666 (46)	793 (54)	1.0	<0.0001
Yes	79 (18)	376 (83)	4.0 (3.1-5.2)	
Length of stay, mean (SD)	7.3 (6.1)	7.2 (6.0)		0.8299
Intensive care unit admission				
No	726 (97)	1,134 (97)	1.0	0.5680
Yes	19 (3)	35 (3)	1.2 (0.7-2.1)	
Died during hospital stay				
No	709 (95)	1,093 (93)	1.0	
Yes	36 (5)	76 (7)	1.4 (0.9-2.1)	0.1310

CI Confidence Interval

LR Likelihood ratio

a Vaccinated 15 or more days before onset of symptoms.