

Table 4: Factors associated with the participation in the single country Influenzanet cohorts. Participation rate, crude and adjusted odds ratios and confidence intervals are shown for different strata.

Sweden (www.influensakoll.se)						
Variable (target population)	Respondent participants (%)	Participants not involved in follow-up (%)	OR (crude)	95% C.I.	OR (adjusted)	95% C.I.
Gender (2097)						
Male (30%)	256 (40)	382 (60)	1.00		1.00	
Female (70%)	648 (44)	811 (56)	1.19	0.99-1.44	1.22	0.99-1.51
Age (2097)						
15 - 30 (14%)	95 (32)	203 (68)	0.43	0.31-0.59	0.50	0.35-0.71
31 - 40 (29%)	199 (33)	400 (67)	0.46	0.35-0.59	0.63	0.46-0.85
41 - 50 (26%)	234 (42)	322 (58)	0.67	0.51-0.86	0.96	0.70-1.30
51 - 60 (19%)	208 (52)	191 (48)	1.00		1.00	
61 - 70 (12%)	168 (69)	77 (31)	2.0	1.43-2.8	1.63	1.10-2.41
Smoking (2096)						
No (89%)	828 (44)	1045 (56)	1.00		1.00	
Yes (11%)	75 (34)	148 (66)	0.64	0.48-0.86	0.60	0.42-0.84
Education (1903)						
No formal qualification (<1%)	1 (100)	0 (0)	-	-	-	-
Secondary/high school education (22%)	151 (36)	271 (64)	0.66	0.53-0.82	0.72	0.56-0.92
Still in education (3%)	13 (27)	35 (73)	0.44	0.23-0.84	0.86	0.43-1.71
University Degree (75%)	656 (46)	776 (54)	1.00		1.00	
Chronic condition/disease (2097)						
No (86%)	781 (43)	1033 (57)	1.00		1.00	
Yes (12%)	123 (43)	160 (57)	1.02	0.79-1.31	0.77	0.57-1.03
Vaccination against seasonal influenza for 2011/12 (2094)						
Yes (12%)	161 (67)	81 (33)	1.00		1.00	
No (88%)	743 (40)	1109 (60)	0.34	0.25-0.45	0.44	0.31-0.61
Household with children (2009)						

No (47%)	495 (53)	442 (47)	1.00		1.00	
Yes (53%)	372 (35)	700 (65)	0.47	0.39-0.56	0.58	0.46-0.74
United Kingdom (www.flusurvey.org.uk)						
Variable (target population)	Respondent participants (%)	Participants not involved in follow-up (%)	OR (crude)	95% C.I.	OR (adjusted)	95% C.I.
Gender (2171)						
Male (35%)	442 (59)	307 (41)	1.00		1.00	
Female (65%)	738 (52)	684 (48)	0.87	0.7-1.09	0.75	0.61-0.92
Age (2171)						
15 - 30 (19%)	152 (37)	256 (63)	0.36	0.27-0.47	0.33	0.23-0.45
31 - 40 (25%)	271 (50)	271 (50)	0.60	0.47-0.78	0.56	0.42-0.74
41 - 50 (21%)	239 (52)	217 (48)	0.67	0.51-0.87	0.69	0.51-0.94
51 - 60 (20%)	279 (62)	169 (38)	1.00		1.00	
61 - 70 (15%)	239 (75)	78 (25)	1.86	1.35-2.55	1.58	1.11-2.25
Smoking (2164)						
No (88%)	1078 (57)	824 (43)	1.00		1.00	
Yes (12%)	102 (39)	160 (61)	0.49	0.37-0.63	0.63	0.47-0.86
Education (2157)						
No formal qualification (1%)	14 (45)	17 (55)	0.58	0.28-1.18	0.40	0.17-0.94
Secondary/High school education (22%)	209 (43)	275 (57)	0.55	0.44-0.67	0.50	0.39-0.64
Still in education (1%)	2 (14)	12 (86)	0.12	0.03-0.52	0.27	0.05-1.34
University Degree (75%)	950 (58)	678 (42)	1.00		1.00	
Chronic condition/disease (2171)						
No (83%)	988 (55)	817 (45)	1.00		1.00	
Yes (17%)	192 (52)	174 (48)	0.91	0.73-1.14	0.63	0.48-0.83
Vaccination against seasonal influenza for 2011/12 (2153)						
Yes (34%)	475 (64)	264 (36)	1.00		1.00	
No (66%)	705 (50)	709 (50)	0.55	0.46-0.66	0.60	0.48-0.75
Household with children (2069)						
No (69%)	828 (58)	599 (42)	1.00		1.00	
Yes (31%)	288 (45)	354 (55)	0.58	0.48-0.71	0.57	0.46-0.71

The Netherlands (www.degrotegriepmeting.nl)						
Variable (target population)	Respondent participants (%)	Participants not involved in follow-up (%)	OR (crude)	95% C.I.	OR (adjusted)	95% C.I.
Gender (12514)						
Male (39%)	3891 (80)	994 (20)	1.00		1.00	
Female (61%)	5788 (76)	1841 (24)	0.8	0.74-0.88	0.95	0.87-1.05
Age (12514)						
15 - 30 (9%)	651 (56)	509 (44)	0.24	0.21-0.28	0.24	0.20-0.29
31 - 40 (17%)	1448 (67)	707 (33)	0.38	0.34-0.44	0.42	0.36-0.49
41 - 50 (25%)	2325 (75)	777 (25)	0.56	0.5-0.63	0.64	0.56-0.74
51 - 60 (28%)	3000 (84)	564 (16)	1.00		1.00	
61 - 70 (20%)	2255 (89)	278 (11)	1.52	1.31-1.78	1.36	1.15-1.61
Smoking (12493)						
No (84%)	8257 (79)	2239 (21)	1.00		1.00	
Yes (16%)	1409 (71)	588 (29)	0.65	0.58-0.72	0.67	0.60-0.75
Education (12277)						
No formal qualification (1%)	133 (72)	51 (28)	0.69	0.5-0.96	0.56	0.39-0.81
Secondary/high school education (40%)	3758 (76)	1164 (24)	0.87	0.8-0.96	0.80	0.73-0.89
Still in education (1%)	38 (49)	40 (51)	0.25	0.16-0.39	0.57	0.35-0.92
University Degree (58%)	5579 (79)	1514 (21)	1.00		1.00	
Chronic condition/disease (12514)						
No (77%)	7407 (77)	2226 (23)	1.00		1.00	
Yes (23%)	2272 (79)	609 (21)	1.12	1.01-1.24	0.80	0.71-0.91
Vaccination against seasonal influenza for 2011/12 (12506)						
Yes (33%)	3402 (83)	687 (17)	1.00		1.00	
No (67%)	6273 (64)	2144 (25)	0.59	0.54-0.65	0.81	0.71-0.91
Household with children (12146)						
No (64%)	6296 (82)	1420 (18)	1.00		1.00	
Yes (36%)	3101 (70)	1329 (30)	0.52	0.48-0.57	0.68	0.61-0.76
Belgium						

(www.degrotegriepmeting.be)						
Variable (target population)	Respondent participants (%)	Participants not involved in follow-up (%)	OR (crude)	95% C.I.	OR (adjusted)	95% C.I.
Gender (3834)						
Male (52%)	1626 (81)	370 (19)	1.00		1.00	
Female (48%)	1416 (77)	422 (23)	0.76	0.65-0.89	0.92	0.77-1.09
Age (3834)						
15 - 30 (11%)	271 (65)	146 (35)	0.36	0.28-0.47	0.37	0.27-0.50
31 - 40 (14%)	382 (68)	180 (32)	0.42	0.33-0.53	0.42	0.32-0.56
41 - 50 (21%)	621 (78)	175 (22)	0.7	0.55-0.88	0.74	0.57-0.96
51 - 60 (29%)	928 (83)	182 (16)	1.00		1.00	
61 - 70 (25%)	840 (89)	109 (11)	1.51	1.17-1.95	1.39	1.06-1.81
Smoking (3831)						
No (86%)	2657 (80)	648 (20)	1.00		1.00	
Yes (14%)	382 (73)	144 (27)	0.65	0.52-0.8	0.61	0.48-0.77
Education (3688)						
No formal qualification (6%)	166 (82)	37 (18)	1.19	0.82-1.73	0.90	0.61-1.34
Secondary/high school education (33%)	970 (80)	244 (20)	1.06	0.89-1.27	0.89	0.74-1.08
Still in education (1%)	39 (67)	19 (33)	0.54	0.31-0.95	0.94	0.51-1.73
University Degree (60%)	1747 (79)	466 (21)	1.00		1.00	
Chronic condition/disease (3834)						
No (81%)	2434 (79)	657 (21)	1.00		1.00	
Yes (19%)	608 (82)	135 (18)	1.22	0.99-1.49	0.85	0.68-1.08
Vaccination against seasonal influenza for 2011/12 (3829)						
Yes (40%)	1249 (82)	269 (18)	1.00		1.00	
No (60%)	1789 (77)	522 (23)	0.74	0.63-0.87	0.90	0.74-1.07
Household with children (3715)						
No (66%)	2031 (83)	428 (17)	1.00		1.00	
Yes (34%)	918 (73)	338 (27)	0.57	0.48-0.67	0.78	0.64-0.96
France (www.grippenet.fr)						
Variable (target population)	Respondent participants (%)	Participants not involved in follow-up (%)	OR (crude)	95% C.I.	OR (adjusted)	95% C.I.

population)	participants (%)	not involved in follow-up (%)	(crude)		(adjusted)	
Gender (3540)						
Male (33.5%)	699 (59)	487 (41)	1.00		1.00	
Female (66.5%)	1528 (65)	826 (35)	1.29	1.12-1.49	1.41	1.18-1.68
Age (3540)						
15 - 30 (15%)	221 (42)	301 (58)	0.29	0.23-0.36	0.25	0.18-0.34
31 - 40 (20%)	361 (49)	369 (51)	0.38	0.31-0.48	0.40	0.31-0.53
41 - 50 (19%)	422 (63)	248 (37)	0.67	0.54-0.83	0.69	0.53-0.90
51 - 60 (22%)	557 (72)	219 (28)	1.00		1.00	
61 - 70 (24%)	666 (79)	176 (21)	1.49	1.18-1.87	1.51	1.15-1.97
Smoking (3533)						
No (83%)	1925 (66)	1003 (34)	1.00		1.00	
Yes (17%)	297 (49)	308 (51)	0.5	0.42-0.6	0.59	0.47-0.73
Education (3453)						
No formal qualification (2%)	37 (66)	19 (34)	1.17	0.67-2.04	0.99	0.53-1.85
Secondary/high school education (32%)	721 (65)	392 (35)	1.19	1.02-1.39	0.85	0.71-1.03
Still in education (1%)	8 (38)	13 (62)	0.36	0.15-0.89	1.2	0.44-3.25
University Degree (66%)	1412 (62)	851 (38)	1.00		1.00	
Chronic condition/disease (3540)						
No (83%)	1845 (63)	1091 (37)	1.00		1.00	
Yes (17%)	382 (63)	222 (37)	1.02	0.85-1.22	0.77	0.61-0.97
Vaccination against seasonal influenza for 2011/12 (3535)						
Yes (25%)	633 (72)	248 (28)	1.00		1.00	
No (75%)	1593 (60)	1061 (40)	0.59	0.5-0.69	0.75	0.61-0.92
Household with children (2945)						
No (56%)	1124 (68)	528 (32)	1.00		1.00	
Yes (44%)	733 (57)	560 (43)	0.61	0.52-0.71	0.87	0.71-1.07
Italy (www.influweb.it)						
Variable (target population)	Respondent Participants	Participants not involved	OR (crude)	95% C.I.	OR (adjusted)	95% C.I.

	(%)	in follow-up (%)			d)	
Gender (1354)						
Male (60%)	402 (50)	404 (50)	1.00		1.00	
Female (40%)	255 (47)	293 (53)	0.87	0.7-1.09	0.98	0.70-1.38
Age (1354)						
15 - 30 (14%)	68 (35)	126 (65)	0.37	0.25-0.55	0.32	0.17-0.60
31 - 40 (28%)	164 (44)	209 (56)	0.54	0.39-0.74	0.56	0.33-0.95
41 - 50 (28%)	169 (44)	211 (56)	0.55	0.4-0.76	0.43	0.26-0.73
51 - 60 (19%)	154 (59)	106 (41)	1.00		1.00	
61 - 70 (11%)	102 (69)	45 (31)	1.56	1.02-2.39	0.91	0.44-1.86
Smoking (1344)						
No (79%)	537 (50)	530 (50)	1.00		1.00	
Yes (21%)	115 (42)	162 (58)	0.70	0.54-0.91	0.57	0.38-0.87
Education (693)						
No formal qualification (0%)	0	0	-	-	-	-
Secondary/high school education (47%)	137 (42)	192 (58)	1.13	0.83-1.54	1.24	0.89-1.73
Still in education (1%)	1 (33)	2 (66)	0.79	0.07-8.8	1.05	0.09-12.13
University Degree (52%)	136 (38)	225 (62)	1.00		1.00	
Chronic condition/disease (823)						
No (75%)	239 (39)	381 (62)	1.00		1.00	
Yes (25%)	114 (56)	89 (44)	2.04	1.48-2.81	0.95	0.59-1.55
Vaccination against seasonal influenza for 2011/12 (1354)						
Yes (15%)	112 (56)	87 (44)	1.00		1.00	
No (85%)	545 (47)	610 (53)	0.69	0.51-0.94	0.86	0.53-1.4
Household with children (1069)						
No (57%)	282 (46)	329 (54)	1.00		1.00	
Yes (43%)	187 (41)	271 (59)	0.80	0.63-1.02	0.98	0.68-1.38
Portugal (www.gripenet.pt)						
Variable (target population)	Respondent Participants (%)	Participants not involved in follow-up (%)	OR (crude)	95% C.I.	OR (adjusted)	95% C.I.
Gender (1152)						

Male (49%)	390 (70)	171 (30)	1.00		1.00	
Female (51%)	398 (67)	193 (33)	0.90	0.7-1.16	1.09	0.79-1.52
Age (1152)						
15 - 30 (19%)	113 (52)	105 (48)	0.36	0.24-0.53	0.41	0.24-0.71
31 - 40 (25%)	190 (66)	96 (34)	0.66	0.45-0.97	0.74	0.46-1.18
41 - 50 (26%)	220 (72)	84 (28)	0.87	0.59-1.29	1.07	0.66-1.73
51 - 60 (20%)	174 (75)	58 (25)	1.00		1.00	
61 - 70 (10%)	91 (81)	21 (19)	1.44	0.82-2.53	1.91	0.95-3.83
Smoking (1149)						
No (81%)	666 (71)	269 (29)	1.00		1.00	
Yes (19%)	121 (57)	93 (43)	0.52	0.39-0.71	0.62	0.41-0.93
Education (931)						
No formal qualification (1%)	1 (50)	1 (50)	0.40	0.02-6.5	-	-
Secondary/high school education (21%)	124 (62)	75 (38)	0.84	0.58-1.22	0.75	0.50-1.13
Still in education (2%)	5 (29)	12 (71)	0.17	0.06-0.48	0.31	0.10-0.96
University Degree (77%)	502 (70)	211 (30)	1.00		1.00	
Chronic condition/disease (1152)						
No (84%)	655 (68)	312 (32)	1.00		1.00	
Yes (16%)	133 (72)	52 (28)	1.22	0.86-1.72	1.11	0.70-1.75
Vaccination against seasonal influenza for 2011/12 (1149)						
Yes (21%)	169 (71)	70 (29)	1.00		1.00	
No (79%)	618 (68)	292 (32)	0.88	0.64-1.2	1.20	0.80-1.81
Household with children (1067)						
No (59%)	453 (71)	181 (29)	1.00		1.00	
Yes (41%)	277 (64)	156 (36)	0.70	0.54-0.92	0.61	0.43-0.87