

Supplemental Information. Variables tested for association with influenza-like illness

'Household-related' factors (tested in both parents and children)	Frequency of participants exposed to the factor (n=8768)
Family type	
two-parent family	8595 (98.0%)
single-parent family	173 (2.0%)
Dog(s) in the household	1465 (16.7%)
Cat(s) in the household	2246 (25.6%)
Pet rodent(s) and/or rabbit(s) in the household	958 (10.9%)
Cattle in the household	147 (1.7%)
Horse(s) in the household	218 (2.5%)
Sheep in the household	134 (1.5%)
Poultry and/or bird(s)	638 (7.3%)
Pig(s) in the household	49 (0.6%)
Goat(s) in the household	93 (1.1%)
Ornamental/aquarium fish in the household	198 (2.3%)
Pet reptile(s) and/or amphibian(s) in the household	23 (0.3%)
Wild animal(s) in the household	21 (0.2%)
Number of children (>18 years old) in the house	
1 child	3066 (35.0%)
2 children	4140 (47.2%)
≥3 children	1562 (17.8%)
Number of DCC-attending children in the house	
None	3936 (44.9%)
1 child	3229 (36.8%)
2 children	1493 (17.0%)
≥3 children	110 (1.3%)
Number of adults (>18 years old) in the house	
1 adult	173 (2.0%)
2 adults	8475 (96.7%)
≥3 adults	120 (1.4%)
Someone regularly smoking within the house	303 (3.5%)
Sandpit in the household	4589 (52.3%)
Highest degree in the household	
primary, lower vocational or lower secondary education	547 (6.2%)
intermediate vocational, intermediate/higher secondary education	2370 (27.0%)
higher vocational, college and university education	5851 (66.7%)
Household close to a woody area	801 (9.1%)
Household close to an urban park	1154 (13.2%)
Household close to a meadow	1932 (22.0%)
Household close to a cropland	974 (11.1%)
Someone vegetarian in the household	
None	8399 (95.8%)
≥1 vegetarian	369 (4.2%)
Someone in the household went to a gardening store	3225 (36.8%)
Someone in the household has gardened	5503 (62.8%)
Someone in the household stayed in a garden	4481 (51.1%)
Someone in the household stayed in a holiday house	1743 (19.8%)
Someone in the household went camping	577 (6.6%)
Someone in the household went to a golf field	150 (1.7%)
Someone in the household went swimming in open water	746 (8.5%)
Someone in the household visited a sauna/waterpark/swimming pool	3965 (45.2%)
Someone in the household showered/bathed at school, sport club, etc.	3150 (35.9%)
Someone in the household went to a carwash	1815 (20.7%)
Someone in the household used a high-pressure sprayer/nozzle	2469 (28.2%)

Someone in the household operated the heating/plumbing system	478 (5.45%)
Season	
Winter	1949 (22.2%)
Autumn	2462 (28.1%)
Spring	2309 (26.3%)
Summer	2048 (23.4%)
Degree of urbanization	
Highly urbanized	1102 (12.6%)
Urbanized	1848 (21.1%)
Moderately urbanized	1725 (19.7%)
Lowly urbanized	1960 (22.4%)
Rural	2133 (24.3%)
Socio-economic status	
Low	3074 (35.1%)
Intermediate	2953 (33.7%)
High	2741 (31.3%)
<hr/> ‘Child-related’ factors (tested only in children) <hr/>	
Age group	
Never-breastfed infant	416 (4.7%)
≤6-month-old breastfed infant	264 (3.0%)
>6-month-old breastfed infant	285 (3.3%)
Infant with unknown breastfeeding history	661 (7.54%)
Toddler	4799 (54.7%)
Pre-schooler	2343 (26.7%)
Gender	
Male	4558 (52.0%)
Female	4210(48.0%)
Attending a DCC	4418 (50.4%)
Attending child-care arrangements other than DCC	3164 (36.1%)
Cumulated DCC attendance	
None	4350 (49.6%)
1–3 months	347 (4.0%)
4–6 months	333 (3.8%)
7–12 months	1320 (15.1%)
13–24 months	1340 (15.3%)
>24 months	1078 (12.3%)
Having a developmental disability	173 (2.0%)
Having diabetes	2 (0.02%)
Having (chronic) dermatological conditions	323 (3.7%)
Having (chronic) renal conditions	8 (0.09%)
Having (chronic) gastrointestinal conditions	630 (7.2%)
Having (chronic) respiratory conditions	527 (6.0%)
Having (chronic) cardiovascular conditions	61 (0.70%)
Having cancer	2 (0.02%)
Having immunological disorders	29 (0.33%)
Having (chronic) osteoarthrological/muscular conditions	14 (0.16%)
Having neurological disorders	28 (0.32%)
Blood transfusion in the last 3 months	5 (0.1%)
Taking antimicrobials	451 (5.1%)
Taking corticosteroid drugs	152 (1.7%)
Taking respiratory system drugs	249 (2.8%)
Taking cardiovascular system drugs	2 (0.02%)
Taking gastrointestinal system drugs	89 (1.0%)
Taking gastric antacids	128 (1.5%)
Taking painkillers	11 (0.1%)
Participating parent occupationally exposed to children	1557 (17.8%)
Participating parent working in health-care	2009 (22.9%)
Participating parent occupationally exposed to animals	277 (3.2%)
Participating parent occupationally exposed to raw meat	197 (2.3%)

Participating parent occupationally exposed to food	802 (9.2%)
Participating parent engaged in animal farming	120 (1.4%)
'Parent-related' factors (tested only in parents)	
Age group	
≤30 years	1485 (16.9%)
31-34 years	2712 (30.9%)
35-37 years	2026 (23.1%)
≥38 years	2545 (29.0%)
Gender	
Male	1500 (17.1%)
Female	7268 (82.9%)
Dutch nationality	8477 (96.7%)
Born in the Netherlands	8189 (93.4%)
Currently employed	7491 (85.4%)
Occupational exposure to children	1557 (17.8%)
Working in health-care	2009 (22.9%)
Occupational exposure to animals	277 (3.2%)
Occupational exposure to raw meat	197 (2.3%)
Occupational exposure to food	802 (9.2%)
Farming animals	120 (1.4%)
Pregnancy	1573 (17.9%)
Having diabetes	62 (0.7%)
Having (chronic) dermatological conditions	105 (1.2%)
Having (chronic) renal conditions	15 (0.2%)
Having (chronic) hepatological conditions	6 (0.1%)
Having (chronic) gastrointestinal conditions	469 (5.6%)
Having (chronic) respiratory conditions	1391 (15.9%)
Having (chronic) cardiovascular conditions	74 (0.8%)
Having cancer	28 (0.3%)
Having immunological disorders	99 (1.1%)
Having (chronic) osteoarthrological/muscular conditions	140 (1.6%)
Having neurological disorders	22 (0.3%)
Taking antimicrobials	152 (1.7%)
Taking corticosteroid drugs	117 (1.3%)
Taking respiratory system drugs	469 (5.4%)
Taking cardiovascular system drugs	60 (0.7%)
Taking gastrointestinal system drugs	63 (0.7%)
Taking gastric antacids	71 (0.8%)
Taking painkillers	97 (1.1%)
Eating raw and/or undercooked meat	
Never	1680 (19.2%)
<once a week	4525 (51.6%)
1-3 times a week	2340 (26.6%)
>3 times a week	223 (2.5%)
Eating chicken	
Never	464 (5.3%)
<once a week	2180 (24.9%)
1-3 times a week	5839 (66.6%)
>3 times a week	285 (3.3%)
Eating eggs	
Never	89 (1.0%)
<once a week	2378 (27.1%)
1-3 times a week	5822 (66.4%)
>3 times a week	479 (5.5%)
Eating seafood	
Never	1045 (11.9%)
<once a week	4258 (48.6%)
1-3 times a week	3419 (40.0%)
>3 times a week	46 (0.5%)
Eating dairy products	

	Never	53 (0.6%)
	<once a week	102 (1.2%)
	1-3 times a week	618 (7.1%)
	>3 times a week	7995 (91.2%)
Eating fruit		
	Never	2 (0.02%)
	<once a week	38 (0.3%)
	1-3 times a week	269 (3.1%)
	>3 times a week	8469 (96.6%)
Eating raw vegetables		
	Never	80 (0.9%)
	<once a week	813 (9.3%)
	1-3 times a week	3614 (41.2%)
	>3 times a week	4261 (48.6%)
Hand washing before food preparation		
	Never	37 (0.4%)
	Rarely	126 (1.4%)
	Sometimes	617 (7.0%)
	Most of the times	3158 (36.0%)
	Always	4830 (55.1%)
Hand washing after toilet visit		
	Never	9 (0.1%)
	Rarely	44 (0.5%)
	Sometimes	131 (1.5%)
	Most of the times	839 (9.6%)
	Always	7745 (88.3%)
