

**Supplemental Table 1.** PREVENT study countries, sponsors, populations and data sources.

<b>Country (Region)</b>	<b>Sponsoring Institution</b>	<b>Local Population Served</b>	<b>Influenza Seasons Contributed</b>	<b>Cohort of Pregnant Women Hospitalized for ARFI<sup>a</sup></b>	<b>Estimated Seasonal Influenza Vaccination Coverage</b>	<b>Method of Identifying Pregnant Women</b>	<b>Source of Vaccination Information</b>
Australia (Western Australia)	Department of Health Western Australia	2.6 million	2012-2015 SH	1,639	27%	Midwives Notification System; Hospital Morbidity Data Collection	State immunization register
Canada (Alberta)	Alberta Health	4.1 million	2011-2015 NH	5,042	15-30%	National Discharge Abstract Database; Provincial vital statistic registry	Provincial vaccination register
Canada (Ontario)	Institute for Clinical Evaluative Sciences	14 million	2010-2016 NH	7,738	10%	National Discharge Abstract Database	Billing claims to provincial health system
Israel	Clalit Health Services	4.4 million	2010-11, 2012-2016 NH	1,424	20%	Electronic medical record	Electronic medical record
United States (California, Oregon, Washington)	Kaiser Permanente	6.2 million	2011-2016 NH	2,709	49%	Electronic medical record	Electronic medical record; state immunization registries

*SH, southern hemisphere; NH, northern hemisphere*

<sup>a</sup>*ARFI, acute respiratory or febrile illness*

**Supplemental Table 2.** International Statistical Classification of Diseases and Related Health Problems codes used to identify acute respiratory or febrile illness.

Description	ICD-9 Code	ICD-10 Code	ICD-10-AM Code <sup>a</sup>	ICD-10-CA Code <sup>b</sup>
Viral infection of unspecified site	079.99	B34	B34	B34
Adenovirus infection, unspecified		B34.0	B34.0	B34.0
Enterovirus infection, unspecified		B34.1	B34.1	B34.1
Coronavirus infection, unspecified		B34.2	B34.2	B34.2
Parvovirus infection, unspecified		B34.3	B34.3	B34.3
Papovavirus infection, unspecified		B34.4	B34.4	B34.4
Other viral infection, unspecified		B34.8	B34.8	B34.8
Viral infection, unspecified		B34.9	B34.9	B34.9
Respiratory syncytial virus as the cause of diseases classified elsewhere	079.6	B97.4	B97.4	B97.4
Other viral agents as the cause of diseases classified elsewhere	---	B97.8	B97.8	B97.8
Acute nasopharyngitis	460	J00	J00	J00
Acute sinusitis	461	J01	J01	J01
Acute maxillary sinusitis, unspecified		J01.00	J01.0	J01.00
Acute recurrent maxillary sinusitis		J01.01	J01.0	J01.01
Acute frontal sinusitis, unspecified		J01.10	J01.1	J01.10
Acute recurrent frontal sinusitis		J01.11	J01.1	J01.11
Acute ethmoidal sinusitis, unspecified		J01.20	J01.2	J01.20
Acute recurrent ethmoidal sinusitis		J01.21	J01.2	J01.21
Acute sphenoidal sinusitis, unspecified		J01.30	J01.3	J01.30
Acute recurrent sphenoidal sinusitis		J01.31	J01.3	J01.31
Acute pansinusitis, unspecified		J01.40	J01.4	J01.40
Acute recurrent pansinusitis		J01.41	J01.4	J01.41
Other acute sinusitis		J01.80	J01.8	J01.80
Other acute recurrent sinusitis		J01.81	J01.8	J01.81
Acute sinusitis, unspecified		J01.90	J01.9	J01.90
Acute recurrent sinusitis, unspecified		J01.91	J01.9	J01.91
Acute pharyngitis	462	J02	J02	J02
Streptococcal pharyngitis		J02.0	J02.0	J02.0

Acute pharyngitis due to other specified organisms		J02.8	J02.8	J02.8
Acute pharyngitis, unspecified		J02.9	J02.9	J02.9
Acute tonsillitis	463	J03	J03	J03
Acute streptococcal tonsillitis, unspecified		J03.00	J03.0	J03.00
Acute recurrent streptococcal tonsillitis		J03.01	J03.8	J03.01
Acute tonsillitis due to other specified organisms		J03.80	J03.8	J03.80
Acute recurrent tonsillitis due to other specified organisms		J03.81	J03.9	J03.81
Acute tonsillitis, unspecified		J03.90	J03.8	J03.90
Acute recurrent tonsillitis, unspecified		J03.91	J03.8	J03.91
Acute laryngitis and tracheitis	464	J04	J04	J04
Acute laryngitis		J04.0	J04.0	J04.0
Acute tracheitis without obstruction		J04.10	J04.1	J04.10
Acute tracheitis with obstruction		J04.11	J04.1	J04.11
Acute laryngotracheitis		J04.2	J04.2	J04.2
Supraglottitis, unspecified, without obstruction		J04.30	<i>Code does not exist</i>	J04.30
Supraglottitis, unspecified, with obstruction		J04.31	<i>Code does not exist</i>	J04.31
Acute upper respiratory infections of multiple and unspecified sites	465	J06	J06	J06
Acute laryngopharyngitis		J06.0	J06.0	J06.0
Other acute upper respiratory infections of multiple sites		J06.8	J06.8	J06.8
Acute upper respiratory infection, unspecified		J06.9	J06.9	J06.9
Influenza due to certain identified influenza viruses	488.01-488.89	J09	J09	J09
Influenza due to identified novel influenza A virus		J09.X	J09	J09.X
Influenza due to identified novel influenza A virus with pneumonia		J09.X1	J09	J09.X1
Influenza due to identified novel influenza A virus with other respiratory manifestations		J09.X2	J09	J09.X2
Influenza due to identified novel influenza A virus with gastrointestinal manifestations		J09.X3	J09	J09.X3
Influenza due to identified novel influenza A virus with other manifestations		J09.X9	J09	J09.X9
Influenza due to other identified influenza virus	487	J10	J10	J10
Influenza due to other identified influenza virus with pneumonia		J10.0	J10.0	J10.0
Influenza due to other identified influenza virus with unspecified type of pneumonia		J10.00	J10.0	J10.00
Influenza due to other identified influenza virus with the same other identified influenza virus pneumonia		J10.01	J10.0	J10.01
Influenza due to other identified influenza virus with other specified pneumonia		J10.08	J10.0	J10.08

Influenza due to other identified influenza virus with other respiratory manifestations		J10.1	J10.1	J10.1
Influenza due to other identified influenza virus with gastrointestinal manifestations		J10.2	Code does not exist	J10.2
Influenza due to other identified influenza virus with other manifestations		J10.8	J10.8	J10.8
Influenza due to other identified influenza virus with encephalopathy		J10.81	J10.8	J10.81
Influenza due to other identified influenza virus with myocarditis		J10.82	J10.8	J10.82
Influenza due to other identified influenza virus with otitis media		J10.83	J10.8	J10.83
Influenza due to other identified influenza virus with other manifestations		J10.89	J10.8	J10.89
Influenza due to unidentified influenza virus	---	J11	J11	J11
Influenza due to unidentified influenza virus with pneumonia	---	J11.0	J11.0	J11.0
Influenza due to unidentified influenza virus with unspecified type of pneumonia	---	J11.00	J11.0	J11.00
Influenza due to unidentified influenza virus with specified pneumonia	---	J11.08	J11.0	J11.08
Influenza due to unidentified influenza virus with other respiratory manifestations	---	J11.1	J11.1	J11.1
Influenza due to unidentified influenza virus with gastrointestinal manifestations	---	J11.2	Code does not exist	J11.2
Influenza due to unidentified influenza virus with other manifestations	---	J11.8	J11.8	J11.8
Influenza due to unidentified influenza virus with encephalopathy	---	J11.81	J11.8	J11.81
Influenza due to unidentified influenza virus with myocarditis	---	J11.82	J11.8	J11.82
Influenza due to unidentified influenza with otitis media	---	J11.83	J11.8	J11.83
Influenza due to unidentified influenza virus with other manifestations	---	J11.89	J11.8	J11.89
Viral pneumonia, not elsewhere classified	480	J12	J12	J12
Adenoviral pneumonia		J12.0	J12.0	J12.0
Respiratory syncytial virus pneumonia		J12.1	J12.1	J12.1
Parainfluenza virus pneumonia		J12.2	J12.2	J12.2
Human metapneumovirus pneumonia		J12.3	J12.3	J12.3
Other viral pneumonia		J12.8	J12.8	J12.8
Pneumonia due to SARS-associated coronavirus		J12.81	J12.8	J12.81
Other viral pneumonia		J12.89	J12.8	J12.89
Viral pneumonia, unspecified		J12.9	J12.9	J12.9
Pneumonia due to Streptococcus pneumoniae	481	J13	J13	J13
Pneumonia due to Hemophilus influenzae	---	J14	J14	J14
Bacterial pneumonia, not elsewhere classified	482	J15	J15	J15
Pneumonia due to Klebsiella pneumoniae		J15.0	J15.0	J15.0
Pneumonia due to Pseudomonas		J15.1	J15.1	J15.1

Pneumonia due to staphylococcus		J15.2	J15.2	J15.2
Pneumonia due to staphylococcus, unspecified		J15.20	J15.2	J15.20
Pneumonia due to Methicillin susceptible Staphylococcus aureus		J15.211	J15.2	J15.211
Pneumonia due to Methicillin resistant Staphylococcus aureus		J15.212	J15.2	J15.212
Pneumonia due to other staphylococcus		J15.29	J15.2	J15.29
Pneumonia due to streptococcus, group B		J15.3	J15.3	J15.3
Pneumonia due to other streptococci		J15.4	J15.4	J15.4
Pneumonia due to Escherichia coli		J15.5	J15.5	J15.5
Pneumonia due to other aerobic Gram-negative bacteria		J15.6	J15.6	J15.6
Pneumonia due to Mycoplasma pneumoniae		J15.7	J15.7	J15.7
Pneumonia due to other specified bacteria		J15.8	J15.8	J15.8
Unspecified bacterial pneumonia		J15.9	J15.9	J15.9
Pneumonia due to other infectious organisms, not elsewhere classified	483	J16	J16	J16
Chlamydial pneumonia		J16.0	J16.0	J16.0
Pneumonia due to other specified infectious organisms		J16.8	J16.8	J16.8
Pneumonia in diseases classified elsewhere	484	J17	J17	J17
Pneumonia, unspecified organism	---	J18	J18	J18
Bronchopneumonia, unspecified organism	485	J18.0	J18.0	J18.0
Lobar pneumonia, unspecified organism	---	J18.1	J18.1	J18.1
Hypostatic pneumonia, unspecified organism	---	J18.2	J18.2	J18.2
Other pneumonia, unspecified organism	---	J18.8	J18.8	J18.8
Pneumonia, unspecified organism	---	J18.9	J18.9	J18.9
Acute bronchitis	466	J20	J20	J20
Acute bronchitis due to Mycoplasma pneumoniae		J20.0	J20.0	J20.0
Acute bronchitis due to Hemophilus influenzae		J20.1	J20.1	J20.1
Acute bronchitis due to streptococcus		J20.2	J20.2	J20.2
Acute bronchitis due to coxsackievirus		J20.3	J20.3	J20.3
Acute bronchitis due to parainfluenza virus		J20.4	J20.4	J20.4
Acute bronchitis due to respiratory syncytial virus		J20.5	J20.5	J20.5
Acute bronchitis due to rhinovirus		J20.6	J20.6	J20.6
Acute bronchitis due to echovirus		J20.7	J20.7	J20.7
Acute bronchitis due to other specified organisms		J20.8	J20.8	J20.8

Acute bronchitis, unspecified		J20.9	J20.9	J20.9
Acute bronchiolitis	---	J21	J21	J21
Acute bronchiolitis due to respiratory syncytial virus	---	J21.0	J21.0	J21.0
Acute bronchiolitis due to human metapneumovirus	---	J21.1	J21.1	J21.1
Acute bronchiolitis due to other specified organisms	---	J21.8	J21.8	J21.8
Acute bronchiolitis, unspecified	---	J21.9	J21.9	J21.9
Unspecified acute lower respiratory infection	465	J22	J22	J22
Other specified diseases of upper respiratory tract	519	J39.8	J39.8	J39.8
Disease of upper respiratory tract, specified	---	J39.9	J39.9	J39.9
Bronchitis, not specified as acute or chronic	490	J40	J40	J40
Acute respiratory distress syndrome	518.5	J80	J80	J80
Pulmonary edema	518.4	J81	J81	J81
Acute pulmonary edema		J81.0	J81	J81.0
Chronic pulmonary edema		J81.1	J81	J81.1
Acute respiratory failure	518.81	J96.0	J96.0	J96.0
Acute respiratory failure, unspecified whether with hypoxia or hypercapnia		J96.00	J96.00	J96.00
Acute respiratory failure with hypoxia		J96.01	J96.01	J96.01
Acute respiratory failure with hypercapnia		J96.02	Code does not exist	J96.02
Respiratory failure, unspecified, unspecified whether with hypoxia or hypercapnia	519	J96.90	J96.90	J9690
Respiratory failure, unspecified with hypoxia	---	J96.91	J96.91	J9691
Respiratory failure, unspecified with hypercapnia	---	J96.92	Code does not exist	J9699
Other diseases of bronchus, not elsewhere classified	---	J98.09	J98.0	J980
Atelectasis	---	J98.11	J98.1	J9810
Other pulmonary collapse	---	J98.19	J98.1	J98.19
Other disorders of lung	---	J98.4	J98.4	J98.4
Other specified respiratory disorders	---	J98.8	J98.8	J98.8
Respiratory disorder, unspecified	786.00, 786.09	J98.9	J98.9	J98.9
Pyrexia during labor, not elsewhere classified	659.21	O75.2	O75.2	O75201, O75203, O75209
Pyrexia of unknown origin following delivery	672.02, 672.04	O86.4	O86.4	O86402, O86404, O86409
Other viral diseases complicating pregnancy	---	O98.51	O98.5	O98.51

Other viral diseases complicating pregnancy, first trimester	---	O98.511	O98.5	O98.511
Other viral diseases complicating pregnancy, second trimester	---	O98.512	O98.5	O98.512
Other viral diseases complicating pregnancy, third trimester	---	O98.513	O98.5	O98.513
Other viral diseases complicating pregnancy, unspecified trimester	---	O98.519	O98.5	O98.519
Other viral diseases complicating childbirth	---	O98.52	O98.5	O98.52
Other viral diseases complicating the puerperium	---	O98.53	O98.5	O98.53
Other maternal infectious and parasitic diseases complicating pregnancy	---	O98.81	O98.8	O98801-O98804, O98809
Other maternal infectious and parasitic diseases complicating pregnancy, first trimester	---	O98.811	O98.8	
Other maternal infectious and parasitic diseases complicating pregnancy, second trimester	---	O98.812	O98.8	
Other maternal infectious and parasitic diseases complicating pregnancy, third trimester	---	O98.813	O98.8	
Other maternal infectious and parasitic diseases complicating pregnancy, unspecified trimester	---	O98.819	O98.8	
Diseases of the respiratory system complicating pregnancy	---	O99.51	O99.5	O99501-O99504, O99509
Diseases of the respiratory system complicating pregnancy, first trimester	---	O99.511	O99.5	
Diseases of the respiratory system complicating pregnancy, second trimester	---	O99.512	O99.5	
Diseases of the respiratory system complicating pregnancy, third trimester	---	O99.513	O99.5	
Diseases of the respiratory system complicating pregnancy, unspecified trimester	---	O99.519	O99.5	
Cough	786.2	R05	R05	R05
Shortness of breath	786.05	R06.02	R06.0	R060
Stridor	786.1	R06.1	R06.1	R06.1
Wheezing	786.07	R06.2	R06.2	R06.2
Tachypnea, not elsewhere classified	786.06	R06.82	R06.8	R064
Chest pain on breathing	786.52	R07.1	R07.1	R07.1
Asphyxia		R09.01	R09.0	R09.01
Hypoxemia	799.02	R09.02	R09.0	R09.02
Respiratory arrest	799.1	R09.2	R09.2	R09.2
Abnormal sputum	786.4	R09.3	R09.3	R09.3
Other specified symptoms and signs involving the circulatory and respiratory systems	786.7	R09.89	R09.89	R09.89
Fever of other and unknown origin	780.60	R50	R50	R50
Drug induced fever		R50.2	R50.2	R50.2
Fever presenting with conditions classified elsewhere		R50.81	R50.8	R50.81

Postprocedural fever		R50.82	R50.8	R50.82
Postvaccination fever		R50.83	R50.8	R50.83
Febrile nonhemolytic transfusion reaction		R50.84	R50.8	R50.84
Fever, unspecified		R50.9	R50.9	R50.9
Chills (without fever)	780.64	R68.83	R68.8 (not specific to chills)	R680
Pleural effusion, not elsewhere classified	510.9, 511.0, 511.1, 511.89	J90	J90	
Acute and chronic respiratory failure	---	J96.2	No J96.2 – J96.1 (chronic respiratory failure)	
Acute and chronic respiratory failure, unspecified whether with hypoxia or hypercapnia	---	J96.20	--	
Acute and chronic respiratory failure with hypoxia	---	J96.21	--	
Acute and chronic respiratory failure with hypercapnia	---	J96.22	--	
Hemoptysis	786.30	R04.2	R04.2	
Dyspnea	786.0	R06.0	R06.0	
Dyspnea, unspecified	786.02	R06.00	R06.0	
Other forms of dyspnea	786.05, 786.09	R06.09	R06.0	
Nasal congestion	478.19	R09.81	Code does not exist	
Severe sepsis with septic shock	785.52	R65.21	Code does not exist	
Shock, unspecified	785.50	R57.9	R57.9	
Sepsis, unspecified organism	995.91, 995.92	A41.9	A41.9	
Shock during or following labor and delivery	669.11, 669.12, 669.14	O75.1	O75.1	

<sup>a</sup> ICD-10-AM, *International Statistical Classification of Diseases and Related Health Problems 10<sup>th</sup> revision, Australian Modification*

<sup>b</sup> ICD-10-CA, *International Statistical Classification of Diseases and Related Health Problems 10<sup>th</sup> revision, Canada*



**Supplemental Table 3.** Week numbers of respiratory syncytial virus (RSV) season and study period, by year and study site – California, Israel, Ontario, Western Australia, 2010-2016.

Year, Site	Range of weeks (sum)		% weeks of RSV season overlapping study period
	RSV season <sup>a</sup>	Study period <sup>b</sup>	
<b><u>NH 2010-11</u></b>			
Canada (Ontario)	2-18 (17)	48-15 (20)	82%
Israel	49-8 (12)	48-14 (19)	100%
USA (CA)	47-13 (19)	51-15 (17)	79%
<b><u>NH 2011-12 <sup>c</sup></u></b>			
Canada (Ontario)	48-13 (18)	5-21 (17)	50%
USA (CA)	50-18 (21)	6-25 (20)	57%
<b><u>SH 2012</u></b>			
Australia (Western Australia)	16-31 (16)	16-40 (25)	100%
<b><u>NH 2012-13</u></b>			
Canada (Ontario)	51-17 (19)	46-12 (19)	74%
Israel	50-4 (7)	2-14 (13)	43%
USA (CA)	43-13 (23)	48-20 (26)	78%
<b><u>SH 2013</u></b>			
Australia (Western Australia)	14-37 (24)	14-47 (34)	100%
<b><u>NH 2013-14</u></b>			
Canada (Ontario)	48-15 (20)	49-22 (26)	95%
Israel	49-6 (10)	52-18 (19)	70%
USA (CA)	51-15 (17)	50-10 (13)	71%
<b><u>SH 2014</u></b>			
Australia (Western Australia)	20-33 (14)	20-44 (25)	100%
<b><u>NH 2014-15</u></b>			
Canada (Ontario)	45-16 (24)	49-19 (24)	88%
Israel	45-4 (12)	45-10 (18)	100%
USA (CA)	46-17 (24)	45-6 (15)	54%
<b><u>SH 2015</u></b>			

Australia (Western Australia)	22-39 (18)	22-45 (23)	100%
<b><u>NH 2015-16</u></b>			
Canada (Ontario)	49-18 (22)	3-20 (18)	73%
Israel	44-52 (9)	49-14 (18)	44%
USA (CA)	49-16 (20)	52-21 (22)	85%

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*NH, Northern hemisphere; SH, southern hemisphere*

<sup>a</sup> For Israel, Ontario, and Western Australia, data on respiratory syncytial virus seasons were obtained from local respiratory virus surveillance data; for California, seasonal data were obtained from Region 9 data summarized in MMWRs No. 60(vol 35), 62(vol 8), 63(vol 48), and 67(vol 2).

<sup>b</sup> for most PREVENT sites, the study period was defined as the influenza season; for Western Australia, the study period was expanded to include weeks where respiratory syncytial virus was circulating.

<sup>c</sup> Israel did not contribute data for NH 2010-11 season due to a healthcare personnel strike that limited clinical testing during that season.

**Supplemental Table 4.** Characteristics of pregnant women hospitalized with an acute respiratory or febrile illness, by testing for respiratory syncytial virus (RSV) – California, Israel, Ontario, Western Australia, 2010-2016.

Characteristic	Total admissions (N=13,694)		Admissions tested for RSV (N=846)		Chi-square p-value <sup>a</sup>
	n	% (95% CI)	n	% (95% CI)	
<b><u>Sociodemographic &amp; health factors</u></b>					
<b>Maternal age</b>					.99
<35 years	10,815	79.0 (78.3-79.6)	668	79.0 (76.1-81.6)	
≥35 years	2,879	21.0 (20.3-21.7)	178	21.0 (18.4-23.9)	
<b>Socioeconomic status</b>					<.001
Not low SES	10,053	73.4 (72.7-74.1)	524	61.9 (58.6-65.1)	
Low SES	3,404	24.9 (24.1-25.6)	280	33.1 (30.0-36.3)	
Unknown	237	1.7 (1.5-2.0)	42	5.0 (3.7-6.6)	
<b>Medical conditions</b>					
Asthma	1,355	9.9 (9.4-10.4)	89	10.5 (8.6-12.8)	.55
Other lung disease	425	3.1 (2.8-3.4)	50	5.9 (4.5-7.7)	<.001
Heart disease	266	1.9 (1.7-2.2)	25	3.0 (2.0-4.3)	.04
Diabetes	123	0.9 (0.7-1.1)	17	2.0 (2.0-4.3)	.001
Immune disorder	98	0.7 (0.6-0.9)	12	1.4 (0.1-2.5)	.02
Renal disease	63	0.5 (0.4-0.6)	6	0.7 (0.3-1.5)	.31
Metabolic disease	550	4.0 (3.7-4.4)	50	5.9 (4.5-7.7)	.01
Neurologic disorder	94	0.7 (0.6-0.8)	6	0.7 (0.3-1.5)	.94
<b>Parity</b>					<.001
0	8,121	59.3 (58.5-60.1)	229	27.1 (24.2-30.2)	
1	3,396	24.8 (24.1-25.5)	290	34.3 (31.1-37.5)	
≥2	2,177	15.9 (15.3-16.5)	327	38.7 (35.4-42.0)	
<b><u>Clinical factors</u></b>					
<b>Trimester at admission</b>					<.001
First	442	3.2 (2.9-3.5)	50	5.9 (4.5-7.7)	
Second	1,464	10.7 (10.2-11.2)	265	31.3 (28.3-34.5)	
Third	11,788	86.1 (85.5-86.7)	531	62.8 (59.5-66.0)	
<b>Year of admission</b>					<.001
2010-11	2,069	15.1 (14.5-15.7)	120	14.2 (12.0-16.7)	
2011-12	1,794	13.1 (12.5-13.7)	63	7.4 (5.9-9.4)	
2012-13	2,192	16.0 (15.4-16.6)	176	20.8 (18.2-23.7)	

2013-14	2,480	18.1 (17.5-18.8)	176	20.8 (18.2-23.7)	
2014-15	2,406	17.6 (16.9-18.2)	119	14.1 (11.9-16.6)	
2015-16	2,753	20.1 (19.4-20.8)	192	22.7 (20.0-25.6)	
<b>Delivery during admission</b>	10,106	73.8 (73.1-74.5)	184	21.7 (19.1-24.7)	<.001
<b>Primary diagnosis of ARIF</b>	2,727	19.9 (19.3-20.6)	385	45.5 (42.2-48.9)	<.001
<b>Diagnosed with</b>					
Pneumonia or influenza	1,137	8.3 (7.9-8.8)	414	48.9 (45.6-52.3)	<.001
Febrile disease	7,216	52.7 (51.9-53.5)	82	9.7 (7.9-11.9)	<.001
Sepsis	218	1.6 (1.4-1.8)	31	3.7 (2.6-5.1)	<.001
Acute neurologic event	36	0.3 (0.2-0.4)	6	0.7 (0.3-1.5)	.02
Excessive vomiting or hyperemesis	506	3.7 (3.4-4.0)	53	6.3 (4.8-8.1)	<.001
Respiratory failure	90	0.7 (0.5-0.8)	90	10.6 (8.7-12.9)	<.001
<b>Intensive care unit</b>					<.001
No admission	13,051	95.3 (94.9-95.7)	754	89.1 (86.9-91.1)	
Admission to ICU	320	2.3 (2.1-2.6)	54	6.4 (4.9-8.2)	
Unknown	323	2.4 (2.1-2.6)	38	4.5 (3.3-6.1)	
<b>Length of stay</b>					<.001
<3 days	6,384	46.6 (45.8-47.5)	414	48.9 (45.6-52.3)	
3-7 days	6,603	48.2 (47.4-49.1)	358	42.3 (39.0-45.7)	
≥8 days	606	4.4 (4.1-4.8)	74	8.7 (7.0-10.8)	
Unknown	101	0.7 (0.6-0.9)	0	0.0 (0.0-0.5)	

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*CI, confidence interval*

<sup>a</sup> *Cochran–Mantel–Haenszel chi-square test*

**Supplemental Figure 1.** Flow diagram of selection of study cohort – California, Israel, Ontario, and Western Australia – 2010-16.

