

**Effectiveness of influenza vaccination in working age adults with diabetes:
a population-based cohort study**

Supplementary Tables and Figures

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Supplementary Tables

Table S1: Outcome case definitions

Table S1a: List of ICD-10-CA and ICD-9-CM codes comprising an administrative case definition of influenza-like illness (ILI)

Diagnosis	ICD-10-CA code	ICD-9-CM code
Cold	J00	460
Sinusitis	J01 or J32	461
Pharyngitis	J02	462
Laryngitis, tracheitis, or laryngotracheitis	J04	464
Upper respiratory tract infection	J06.8 or J06.9	465.8, 465.9
Influenza	J10 or J11	487 or 488
Viral pneumonia	J12	480
Pneumonia	J18	481-486
Acute bronchitis or bronchitis NOS or obstructive bronchitis	J20 or J40 or J44.8	466, 490, 496
Bronchiolitis	J21	466
Acute lower respiratory tract infection, not otherwise specified	J22	None
COPD with acute lower respiratory tract infection (includes pneumonia)	J44.0	491.22
COPD with acute exacerbation	J441	491.21
Cough	R05	786.2
Pleurisy	R09.1	511

Developed using pilot data from emergency departments in Edmonton, Alberta. ICD codes were extracted from randomly selected cases comprising 15% of all emergency department visits with a main ambulatory care diagnosis of influenza.

Table S1b: List of ICD-10-CA and ICD-9-CM codes comprising an administrative case definition of pneumonia and influenza (PI)

Diagnosis	ICD-10-CA code	ICD-9-CM code
Influenza	J10 or J11	487 or 488
Viral pneumonia	J12	480
Pneumonia	J13 or J14 or J15 or J16	481 or 482 or 483
Pneumonia, organism unspecified	J18	485 or 486

Table S2: Adjusted associations between influenza vaccination status and hospitalizations and medical visits for influenza-like illness before, during, and after influenza season – Pharyngitis and sinusitis removed from case definition of influenza-like illness

		Pre-season (Beginning Oct. 1)			Influenza season			Post-season		
Age group	Diabetes	IRR	CI	P-value	IRR	CI	P-value	IRR	CI	P-value
Influenza-like illness										
Working age	DM	1.00	[0.97, 1.04]	0.772	0.98	[0.96, 1.01]	0.167	1.06	[1.02, 1.09]	0.001
	DM	0.85	[0.82, 0.88]	0.000	0.86	[0.83, 0.89]	0.000	0.88	[0.84, 0.92]	0.000
Elderly	No DM	0.80	[0.77, 0.82]	0.000	0.88	[0.85, 0.90]	0.000	0.92	[0.88, 0.96]	0.000