

The Impact of Private Insurance Coverage on Prescription Drug Use in Ontario, Canada

Impact de l'assurance médicaments privée sur l'utilisation des médicaments délivrés sur ordonnance en Ontario,

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Appendix 1. Descriptive tables

Table 1. Descriptive statistics for respondents under the age of 65 years with asthma, before and after propensity score match, including % improved by match

Under 65 years; private vs. none	Asthma								% Improvement
	Pre				Post				
	Private		None		Private		None		
Variable	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
Patient proxy	0.01	0.00	0.02	0.01	0.01	0.05	0.01	0.05	96.73
Household size	3.05	0.07	2.62	0.14	2.66	0.54	2.68	0.55	99.49
Age	39.17	0.84	32.55	1.34	38.87	6.02	37.91	6.94	97.96
Income	95341.67	5593.86	73552.05	8994.20	86681.97	23416.52	101845.83	27941.60	83.38
≤2 chronic conditions	0.62	0.03	0.68	0.05	0.60	0.22	0.59	0.23	99.58
3 chronic conditions	0.17	0.03	0.13	0.03	0.17	0.17	0.15	0.16	92.34
≥4 chronic conditions	0.21	0.03	0.19	0.04	0.23	0.19	0.25	0.20	85.10
Regular medical consultation	0.91	0.02	0.83	0.04	0.92	0.12	0.91	0.12	99.36
Less than high school	0.12	0.02	0.20	0.04	0.17	0.16	0.23	0.19	91.85
High school	0.15	0.02	0.18	0.05	0.15	0.15	0.15	0.16	97.90
Post-secondary	0.73	0.03	0.62	0.06	0.68	0.20	0.62	0.22	92.54
Sex	0.41	0.03	0.49	0.06	0.39	0.21	0.41	0.22	95.41
Very good health status	0.49	0.03	0.56	0.06	0.55	0.22	0.55	0.22	98.08
Good health status	0.39	0.03	0.33	0.05	0.33	0.21	0.31	0.20	93.78
Poor health status	0.12	0.02	0.11	0.03	0.12	0.14	0.14	0.16	75.56

Immigrant status	0.18	0.03	0.17	0.04	0.10	0.13	0.14	0.16	-13.10
Employment status	0.84	0.02	0.71	0.05	0.79	0.17	0.68	0.21	91.02
Marital status	0.68	0.03	0.32	0.05	0.56	0.18	0.50	0.22	97.20
Urban or rural	0.87	0.02	0.86	0.03	0.78	0.19	0.77	0.20	95.41
Asthma symptoms	0.57	0.03	0.52	0.06	0.55	0.23	0.57	0.23	95.94
Type 1 diabetes									

Table 2. Descriptive statistics for respondents aged under 65 years with high blood pressure, before and after propensity score match, including % improved by match

Under 65 years; private vs. none	High blood pressure								% Improvement
	Pre				Post				
	Private		None		Private		None		
Variable	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
Patient proxy	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.02	94.42
Household size	2.73	0.06	3.10	0.37	2.18	0.49	2.26	0.51	97.08
Age	52.03	0.42	50.62	1.12	53.00	4.33	52.01	4.59	93.15
Income	90138.65	2559.77	62355.78	4828.16	76932.10	18325.90	79504.54	16249.35	98.71
≤2 chronic conditions	0.58	0.03	0.68	0.06	0.57	0.22	0.58	0.22	98.62
3 chronic conditions	0.18	0.02	0.19	0.06	0.19	0.17	0.18	0.17	92.30
≥4 chronic conditions	0.24	0.02	0.13	0.03	0.24	0.19	0.24	0.19	99.94
Regular medical consultation	0.96	0.01	0.90	0.03	0.94	0.11	0.92	0.13	97.96
Less than high school	0.11	0.01	0.10	0.02	0.14	0.15	0.13	0.15	92.48
High school	0.19	0.02	0.36	0.08	0.18	0.17	0.17	0.17	99.52
Post-secondary	0.71	0.02	0.55	0.07	0.68	0.21	0.70	0.21	98.93
Sex	0.56	0.02	0.65	0.06	0.54	0.23	0.54	0.22	99.38
Very good health status	0.41	0.03	0.44	0.06	0.40	0.22	0.40	0.22	99.80
Good health status	0.38	0.03	0.36	0.06	0.38	0.22	0.36	0.22	89.48
Poor	0.22	0.02	0.20	0.04	0.22	0.18	0.24	0.19	86.87

health status									
Immigrant status	0.32	0.03	0.53	0.06	0.21	0.18	0.23	0.19	98.85
Employment status	0.78	0.02	0.53	0.07	0.70	0.19	0.65	0.21	97.76
Marital status	0.79	0.02	0.78	0.04	0.68	0.20	0.67	0.21	96.11
Urban or rural	0.82	0.02	0.80	0.04	0.74	0.20	0.76	0.19	86.94
Asthma symptoms									
Type 1 diabetes									

Table 3. Descriptive statistics for patients under the age of 65 years with diabetes before and after propensity score match, including % improved by match

Under 65 years; private vs. none	Diabetes								% Improvement
	Pre				Post				
	Private		None		Private		None		
Variable	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
Patient proxy	0.00	0.00	0.00	0.00	0.01	0.04	0.00	0.00	88.08
Household size	2.86	0.12	3.55	0.34	2.31	0.64	2.41	0.68	97.13
Age	51.57	0.84	52.67	1.62	52.99	4.89	53.42	4.84	93.37
Income	83193.04	3317.84	56774.21	11942.98	70913.41	16990.66	76561.39	21909.53	95.83
≤2 chronic conditions	0.48	0.05	0.81	0.07	0.52	0.22	0.57	0.21	96.22
3 chronic conditions	0.17	0.03	0.06	0.03	0.19	0.18	0.18	0.16	96.72
≥4 chronic conditions	0.35	0.04	0.13	0.06	0.29	0.19	0.25	0.20	96.09
Regular medical consultation	0.97	0.01	0.99	0.01	0.95	0.09	0.95	0.10	99.98
Less than high school	0.12	0.02	0.12	0.07	0.14	0.16	0.14	0.17	87.78
High school	0.19	0.04	0.18	0.08	0.17	0.18	0.16	0.18	78.48
Post-secondary	0.69	0.05	0.70	0.10	0.69	0.22	0.69	0.23	91.48
Sex	0.59	0.05	0.67	0.10	0.59	0.24	0.62	0.24	92.71
Very good health status	0.19	0.03	0.16	0.06	0.26	0.21	0.28	0.22	86.98
Good health status	0.50	0.05	0.32	0.10	0.42	0.22	0.38	0.24	95.40
Poor	0.31	0.05	0.52	0.12	0.32	0.22	0.34	0.23	98.33

health status									
Immigrant status	0.39	0.05	0.69	0.08	0.28	0.20	0.35	0.23	94.13
Employment status	0.69	0.05	0.42	0.11	0.63	0.22	0.61	0.21	98.77
Marital status	0.85	0.02	0.84	0.06	0.67	0.23	0.66	0.24	78.57
Urban or rural	0.84	0.03	0.93	0.03	0.79	0.19	0.81	0.19	96.69
Asthma symptoms									
Type 1 diabetes	0.05	0.01	0.04	0.02	0.07	0.13	0.07	0.13	96.71

Table 4. Descriptive statistics for respondents aged 65+ years with asthma, before and after propensity score match, including % improved by match

65+ years; private vs. public	Asthma								% Improvement
	Pre				Post				
	Private		Public		Private		Public		
Variable	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
Patient proxy	0.01	0.01	0.19	0.07	0.07	0.12	0.08	0.11	99.74
Household size	2.30	0.20	2.91	0.43	1.74	0.32	1.91	0.41	82.83
Age	71.07	0.81	77.24	1.12	74.12	2.40	74.45	2.66	98.15
Income	74963.37	12156.44	51349.75	3332.28	58423.19	24525.64	50865.79	11635.37	84.14
≤2 chronic conditions	0.23	0.07	0.15	0.05	0.32	0.21	0.22	0.19	58.93
3 chronic conditions	0.24	0.07	0.23	0.06	0.26	0.22	0.28	0.21	48.18
≥4 chronic conditions	0.53	0.08	0.62	0.08	0.41	0.20	0.50	0.23	62.81
Regular medical consultation	0.99	0.01	0.99	0.01	0.98	0.06	0.98	0.07	61.78
Less than high school	0.27	0.08	0.47	0.09	0.22	0.16	0.28	0.18	83.49
High school	0.26	0.08	0.14	0.06	0.21	0.19	0.14	0.16	75.39
Post-secondary	0.47	0.08	0.39	0.08	0.57	0.23	0.58	0.21	98.58
Sex	0.47	0.08	0.48	0.09	0.36	0.20	0.41	0.23	-380.88
Very good	0.46	0.08	0.23	0.06	0.36	0.23	0.36	0.23	99.62

health status									
Good health status	0.39	0.08	0.25	0.06	0.40	0.23	0.37	0.22	94.07
Poor health status	0.15	0.05	0.52	0.09	0.24	0.18	0.27	0.18	98.20
Immigrant status	0.26	0.08	0.58	0.09	0.21	0.20	0.24	0.17	96.60
Marital status	0.86	0.04	0.52	0.09	0.63	0.21	0.63	0.18	99.94
Urban or rural	0.83	0.06	0.83	0.05	0.69	0.20	0.74	0.20	-131.78
Asthma symptoms	0.19	0.05	0.47	0.09	0.41	0.22	0.40	0.23	99.44
Type 1 diabetes									

Table 5. Descriptive statistics aged 65+ years with high blood pressure, before and after propensity score match, including % improved by match

65+ years; private vs. public	High blood pressure								% Improvement
	Pre				Post				
	Private		Public		Private		Public		
Variable	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
Patient proxy	0.03	0.01	0.06	0.01	0.04	0.09	0.05	0.10	97.62
Household size	1.96	0.05	2.24	0.10	1.73	0.32	1.77	0.36	97.85
Age	72.51	0.40	74.39	0.39	73.83	2.67	74.04	2.64	98.33
Income	65446.34	2928.84	63472.55	5140.16	57739.91	16625.22	55448.39	21117.75	79.55
≤2 chronic conditions	0.45	0.03	0.43	0.03	0.46	0.23	0.45	0.22	91.12
3 chronic conditions	0.28	0.03	0.26	0.03	0.25	0.20	0.25	0.19	97.82
≥4 chronic conditions	0.27	0.03	0.31	0.03	0.29	0.20	0.30	0.20	95.45
Regular medical consultation	0.98	0.01	0.98	0.01	0.97	0.08	0.97	0.08	95.01
Less than high school	0.21	0.02	0.31	0.03	0.28	0.18	0.29	0.18	99.34
High school	0.19	0.03	0.20	0.02	0.18	0.17	0.18	0.17	94.78
Post-secondary	0.60	0.03	0.49	0.03	0.54	0.18	0.53	0.18	99.31
Sex	0.59	0.03	0.48	0.03	0.49	0.21	0.49	0.22	99.85
Very	0.47	0.03	0.32	0.03	0.41	0.19	0.39	0.20	98.10

good health status									
Good health status	0.34	0.03	0.39	0.03	0.35	0.21	0.36	0.22	98.80
Poor health status	0.19	0.03	0.29	0.03	0.24	0.18	0.25	0.18	98.12
Immigrant status	0.35	0.03	0.38	0.03	0.26	0.20	0.27	0.20	93.82
Marital status	0.78	0.02	0.68	0.03	0.63	0.21	0.62	0.21	98.48
Urban or rural	0.81	0.02	0.81	0.02	0.77	0.19	0.75	0.20	39.98
Asthma symptoms									
Type 1 diabetes									

Table 6. Descriptive statistics for respondents aged 65+ years with diabetes, before and after propensity score match, including % improved by match

65+ years; private vs. public	Diabetes								% Improvement
	Pre				Post				
	Private		Public		Private		Public		
Variable	Mean	SD	Mean	SD	Mean	SD	Mean	SD	
Patient proxy	0.02	0.02	0.08	0.03	0.05	0.11	0.08	0.13	93.65
Household size	1.89	0.04	2.39	0.20	1.69	0.24	1.80	0.39	96.05
Age	71.57	0.72	74.17	0.81	73.81	2.47	73.61	2.83	97.80
Income	61452.53	4050.85	50458.60	3979.92	50705.56	11502.15	49813.53	18664.43	97.14
≤2 chronic conditions	0.29	0.06	0.31	0.05	0.37	0.23	0.33	0.22	60.55
3 chronic conditions	0.33	0.06	0.25	0.05	0.26	0.21	0.24	0.19	93.24
≥4 chronic conditions	0.38	0.06	0.44	0.06	0.37	0.22	0.43	0.23	74.36
Regular medical consultation	0.99	0.01	0.97	0.02	0.98	0.06	0.98	0.07	97.81
Less than high school	0.25	0.05	0.40	0.06	0.40	0.20	0.34	0.21	89.57
High school	0.19	0.07	0.16	0.04	0.14	0.16	0.15	0.17	83.39
Post-secondary	0.55	0.07	0.44	0.05	0.46	0.19	0.51	0.22	84.62
Sex	0.63	0.07	0.55	0.06	0.59	0.22	0.58	0.22	95.30

Very good health status	0.31	0.05	0.24	0.05	0.35	0.23	0.31	0.21	86.43
Good health status	0.32	0.05	0.31	0.05	0.23	0.16	0.33	0.22	-979.63
Poor health status	0.38	0.07	0.44	0.06	0.42	0.23	0.36	0.22	70.98
Immigrant status	0.34	0.07	0.46	0.06	0.31	0.22	0.28	0.21	93.14
Marital status	0.83	0.04	0.65	0.05	0.66	0.22	0.61	0.21	95.25
Urban or rural	0.83	0.04	0.88	0.02	0.75	0.21	0.77	0.20	95.89
Asthma symptoms									
Type 1 diabetes	0.00	0.00	0.01	0.01	0.00	0.03	0.01	0.03	92.78