

Appendix 3 (as supplied by the authors): Sensitivity analyses

Part 1. Sensitivity analysis UPC identified as pediatrician when ≥ 2 visits with pediatrician*

Covariate	DKA Crude proportion		adjusted RR (95% CI) **
	N	%	
Usual Provider of Care (by age group)			
1-4 y.o.	666	28.5	
None	114	29.0	1.00
Family Physician	333	29.4	1.02 (0.73, 1.41)
Pediatrician	219	26.9	0.93 (0.65, 1.34)
5-11 y.o.	1403	32.0	
None	589	35.0	1.00
Family Physician	500	29.2	0.84 (0.71, 1.00)
Pediatrician	314	30.9	0.89 (0.72, 1.08)
12-17 y.o.	1635	21.8	
None	824	26.1	1.00
Family Physician	590	18.1	0.70 (0.57, 0.86)
Pediatrician	221	15.8	0.61 (0.44, 0.84)
Sex			
Female	464	26.4	1.00
Male	532	27.4	1.02 (0.92, 1.14)
SES (Social and material deprivation)			
Least deprived	390	25.3	1.00
Moderately deprived	198	27.2	1.10 (0.95, 1.27)
Most deprived	376	28.6	1.14 (1.00, 1.28)
Rurality			
Urban (including population > 100,000)	651	26.7	1.00
Small Cities 10,000-100,000	149	31.2	1.16 (1.00, 1.35)
Rural (<10, 000)	191	24.6	0.88 (0.77, 1.02)

Appendix to: Nakhla M, Rahme E, Simard M, et al. Risk of ketoacidosis in children at the time of diabetes mellitus diagnosis by primary caregiver status: a population-based retrospective cohort study. *CMAJ* 2018. DOI:10.1503/cmaj.170676. Copyright © 2018 The Author(s) or their employer(s).

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Note: CI= confidence interval, RR=relative risk

* Sensitivity analysis of UPC identified as family physician when ≥ 2 visits with FMG or family physician yielded similar results as seen in Table B

** Adjusted for UPC, age group, UPC*age group (interaction term), sex, SES, rurality

Part 2. Sensitivity analysis for an exposure period up to 1 day of index date*

Covariate	DKA Crude proportion		adjusted RR (95% CI) **
	N	%	
Usual Provider of Care (by age group)			
1-4 y.o.	666	28.5	
None	112	28.6	1.00
Family Physician	339	29.5	1.03 (0.74, 1.44)
Pediatrician	215	27.0	0.95 (0.66, 1.36)
5-11 y.o.	1403	32.0	
None	577	34.5	1.00
Family Physician	513	29.6	0.87 (0.73, 1.44)
Pediatrician	313	31.3	0.91 (0.74, 1.11)
12-17 y.o.	1635	21.8	
None	805	26.1	1.00
Family Physician	611	18.3	0.71 (0.58, 0.87)
Pediatrician	219	16.0	0.61 (0.44, 0.85)
Gender			
Female	464	26.4	1.00
Male	532	27.4	1.02 (0.92, 1.14)
SES (Social and material deprivation)			
Least deprived	390	25.3	1.00
Moderately deprived	198	27.2	1.10 (0.95, 1.27)
Most deprived	376	28.6	1.14 (1.01, 1.28)

Rurality			
Urban (including population > 100,000)	651	26.7	1.00
Small Cities 10,000-100,000	149	31.2	1.16 (1.00, 1.35)
Rural (<10, 000)	191	24.6	0.89 (0.77, 1.02)

Note: CI= confidence interval, RR=relative risk

* Sensitivity analysis of exposure period up to 14 days and 30 days of index date yielded similar results as seen in Table C

** Adjusted for UPC, age group, UPC*age group (interaction term), sex, SES, rurality