

Supplementary table 2 Factors associated with non-adherence with the index antidiabetic drug class in untreated patients

Characteristics	<i>JMDC database</i>			<i>MDV database</i>		
	N	Not adherent (% pts)	Adjusted odds ratio (95% CI) ^a	N	Not adherent (% pts)	Adjusted odds ratio (95% CI) ^a
Age at index date (years):						
18–34	599	16.7	1.00	190	7.4	1.00
35–44	2571	14.0	1.23 (0.97, 1.57)	727	4.8	1.40 (0.73, 2.69)
45–54	6056	11.4	1.54 (1.22, 1.94)*	1893	2.1	3.06 (1.61, 5.81)*
55–64	5638	8.8	2.05 (1.61, 2.61)*	4555	2.0	3.18 (1.75, 5.80)*
65–74	1694	4.6	3.83 (2.78, 5.27)*	7341	2.0	3.30 (1.83, 5.95)*
≥ 75	32	6.3	2.39 (0.63, 9.02)	6225	2.7	2.67 (1.47, 4.86)*
Number of medications:						
0	7186	10.0	1.00	2713	2.3	1.00
1–3	6661	10.9	0.86 (0.77, 0.97)*	10,178	1.9	1.03 (0.78, 1.39)
4–5	1515	10.4	0.82 (0.68, 0.99)*	5373	2.4	0.80 (0.58, 1.12)
6–8	840	10.1	0.83 (0.65, 1.06)	2410	3.8	0.61 (0.43, 0.87)
> 8	388	10.8	0.72 (0.51, 1.00)	257	6.2	0.38 (0.21, 0.70)
Hypertension:						
No	8528	11.0	1.00	6060	2.9	1.00
Yes	8062	9.8	1.05 (0.95, 1.18)	14,871	2.2	1.26 (1.03, 1.54)*
Hyperlipidaemia:						
No	9800	10.5	1.00	7959	3.1	1.00
Yes	6790	10.3	1.01 (0.91, 1.12)	12,972	1.9	1.52 (1.26, 1.84)*
Number of antidiabetic drug classes at index date:						
1	14,507	10.5	1.00	18,892	2.0	1.00
2	1707	9.8	1.14 (0.96, 1.35)	1492	4.6	0.50 (0.38, 0.65)*
3	299	8.7	1.36 (0.91, 2.05)	452	6.6	0.33 (0.22, 0.49)*

≥ 4	77	11.7	0.92 (0.46, 1.87)		95	9.5	0.21 (0.10, 0.42)*
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^a Adjusted for age, gender, multiple medications at index date, comorbidities at baseline, and number of antidiabetic drug classes at index date.

* $p < 0.05$.

CI, confidence interval; JMDC, Japan Medical Data Center; MDV, Medical Data Vision; pts, patients.
