

**Supplementary table 1 Factors associated with non-persistence with the index antidiabetic drug class in untreated patients**

Characteristics	<i>JMDC database</i>			<i>MDV database</i>		
	N	Not persistent (% pts)	Adjusted odds ratio (95% CI) <sup>a</sup>	N	Not persistent (% pts)	Adjusted odds ratio (95% CI) <sup>a</sup>
<b>Age at index date (years):</b>						
18–34	659	66.9	1.00	205	38.0	1.00
35–44	2734	53.1	1.64 (1.37, 1.97)*	791	29.5	1.34 (0.96, 1.86)
45–54	6356	41.3	2.45 (2.06, 2.92)*	2016	26.7	1.48 (1.09, 2.02)*
55–64	5891	34.8	3.04 (2.55, 3.62)*	4872	26.3	1.55 (1.15, 2.09)*
65–74	1777	31.5	3.31 (2.72, 4.03)*	7880	29.3	1.39 (1.03, 1.87)*
≥ 75	34	35.3	2.52 (1.21, 5.25)*	6602	33.8	1.22 (0.90, 1.64)
<b>Number of medications:</b>						
0	7585	46.1	1.00	2957	34.2	1.00
1–3	6980	37.9	1.21 (1.13, 1.30)*	10,907	26.7	1.38 (1.26, 1.51)*
4–5	1594	33.4	1.30 (1.15, 1.46)*	5707	29.1	1.31 (1.18, 1.45)*
6–8	883	35.2	1.23 (1.05, 1.43)*	2528	37.9	1.04 (0.92, 1.17)
> 8	409	38.4	1.11 (0.89, 1.37)*	267	47.6	0.73 (0.56, 0.95)*
<b>Hypertension:</b>						
No	9053	47.3	1.00	6534	32.8	1.00
Yes	8398	34.0	1.43 (1.33, 1.52)*	15,832	28.6	1.17 (1.09, 1.25)*
<b>Hyperlipidaemia:</b>						
No	10,335	43.2	1.00	8535	35.3	1.00
Yes	7116	37.7	1.12 (1.05, 1.20)*	13,831	26.4	1.40 (1.31, 1.49)*
<b>Number of antidiabetic drug classes at index date:</b>						
1	15,368	39.1	1.00	20,180	27.2	1.00
2	1707	52.7	0.62 (0.56, 0.69)*	1594	51.8	0.37 (0.33, 0.41)*

3	299	60.2	0.44 (0.35, 0.56)*	489	59.5	0.27 (0.22, 0.32)*
≥ 4	77	68.8	0.31 (0.19, 0.50)*	103	59.2	0.25 (0.16, 0.37)*

<sup>a</sup> 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.