

**Supplementary Table 3.** Incidence rates and HRs of depression according to weight changes after excluding patients with malabsorption disorders

Weight change (%)	No. of patients	No. of patients with depression	Follow-up duration (person-years)	Incidence rate per 1,000 person-years	HR (95% CI)		
					Model 1 <sup>a</sup>	Model 2 <sup>b</sup>	Model 3 <sup>c</sup>
≥ -10	2,901	817	12,722.58	64.2165	1.17 (1.09–1.26)	1.13 (1.05–1.21)	1.13 (1.05–1.21)
< -10 to ≥ -5	9,160	2,469	44,271.78	55.7692	1.10 (1.05–1.15)	1.08 (1.03–1.13)	1.08 (1.03–1.13)
< -5 to <5	46,949	11,287	238,309.07	47.3629	1 (Reference)	1 (Reference)	1 (Reference)
≥5 to <10	5,512	1,460	26,987.77	54.0986	1.13 (1.07–1.19)	1.08 (1.02–1.14)	1.07 (1.02–1.14)
≥10	1,950	548	8,867.08	61.8016	1.21 (1.11–1.32)	1.13 (1.04–1.23)	1.12 (1.03–1.23)

CI, confidence interval; HR, hazard ratio.

<sup>a</sup>Adjusted for age and sex. <sup>b</sup>Adjusted for age, sex, smoking, alcohol consumption, regular exercise, low-income status, use of insulin, number of oral hypoglycemic agents, diabetes duration, and previous history of hypertension or dyslipidemia. <sup>c</sup>Adjusted for age, sex, smoking, alcohol consumption, regular exercise, low-income status, use of insulin, number of oral hypoglycemic agents, duration of diabetes, previous history of hypertension or dyslipidemia, and baseline body weight.