

**S2 Table.** Stratified and combined analyses for the association with BMI with different cut-point (22.5 kg/m<sup>2</sup> and 25 kg/m<sup>2</sup>) for gastric cancer risk

<i>H. pylori</i> infection	BMI (kg/m <sup>2</sup> )	Person-year	No. of cases	Stratification HR (95% CI) <sup>a)</sup>
<b>Stratified analysis</b>				
Never infected	< 22.5	1,614	11	6.10 (1.19-31.24)
	22.5-24.9	1,475	2	1.00
	≥25	1,358	7	5.82 (0.99-34.33)
Ever infected	< 22.5	9,704	155	1.15 (0.88-1.52)
	22.5-24.9	7,831	87	1.00
	≥25	8,091	70	0.93 (0.68-1.28)
<i>H. pylori</i> +CagA+	< 22.5	9,247	149	1.16 (0.87-1.53)
	22.5-24.9	7,534	84	1.00
	≥25	7,762	68	0.95 (0.69-1.31)
CagA+VacA+	< 22.5	7,172	104	1.11 (0.80-1.55)
	22.5-24.9	6,189	63	1.00
	≥25	6,397	51	0.94 (0.65-1.37)
<b>Combined analysis</b>				
Never infected	< 22.5	1,614	11	1.00
Ever infected		9,704	155	2.00 (1.07-3.73)
<i>H. pylori</i> +CagA+		9,247	149	2.02 (1.08-3.77)
CagA+VacA+		7,172	104	1.94 (1.03-3.67)
Never infected	22.5-24.9	1,475	2	1.00
Ever infected		7,831	87	6.42 (1.57-26.30)
<i>H. pylori</i> +CagA+		7,534	84	6.33 (1.54-25.93)
CagA+VacA+		6,189	63	6.41 (1.55-26.52)
Never infected	≥25	1,358	7	1.00
Ever infected		8,091	70	1.73 (0.78-3.82)
<i>H. pylori</i> +CagA+		7,762	68	1.80 (0.81-4.00)
CagA+VacA+		6,397	51	1.73 (0.76-3.93)

BMI, body mass index; HR, hazard ratio; CI, confidence interval; CagA, cytotoxin-associated gene A; VacA, vacuolating cytotoxin A. CagA+, CagA-secreting *Helicobacter pylori* infection; CagA+VacA+, both CagA-secreting *H. pylori* and VacA-secreting *H. pylori* infection. <sup>a)</sup>Adjusted for age, sex, year of recruitment, education years (< 12 years vs. ≥12 years), ever smoking more or equal to 400 cigarettes (yes vs. no), and alcohol drinking status (yes vs. no).