Kim J, et al. HZ vaccine and hepatobiliary risk

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Supplementary Table 15. Time persistence effect on hepatic failure development following zoster vaccination

Time (yr)	Events, n (%)	aHR (95% CI)	
		Model 1[a]	Model 2[b]
< 1			
Unvaccinated	228 (0.03)	1.0 (reference)	1.0 (reference)
Vaccinated	142 (0.02)	0.62 (0.50 to 0.77)	0.62 (0.50 to 0.76)[c]
1–2			
Unvaccinated	188 (0.03)	1.0 (reference)	1.0 (reference)
Vaccinated	141 (0.02)	0.75 (0.60 to 0.93)[c]	0.75 (0.61 to 0.94)[c]
2–4			
Unvaccinated	247 (0.03)	1.0 (reference)	1.0 (reference)
Vaccinated	177 (0.02)	0.74 (0.61 to 0.90)[c]	0.74 (0.61 to 0.90)[c]
4–6			
Unvaccinated	118 (0.02)	1.0 (reference)	1.0 (reference)
Vaccinated	178 (0.01)	0.78 (0.58 to 1.03)	0.76 (0.57 to 1.02)
6–8			
Unvaccinated	42 (0.01)	1.0 (reference)	1.0 (reference)
Vaccinated	24 (0.003)	0.74 (0.45 to 1.22)	0.73 (0.44 to 1.21)
≥ 8			
Unvaccinated	1 (0.0001)	1.0 (reference)	1.0 (reference)
Vaccinated	1 (0.0001)	1.20 (0.08 to 19.22)	0.87 (0.05 to 14.44)

aHR, adjusted hazard ratio; CI, confidence interval.

[a]Models 1: adjusted for age (50–54, 55–59, 60-64, and ≥ 65 years) and sex.

[b]Model 2: adjusted for age (50–54, 55–59, 60-64, and ≥ 65 years); sex; household income (low income, middle income, and high income); region of residence (urban and rural); Charlson comorbidity index (0, 1, and ≥ 2); obesity (underweight [< 18.5 kg/m^2], normal [18.5–22.9 kg/m^2], overweight [23.0–24.9 kg/m^2], and obese [≥ 25.0 kg/m^2]); blood pressure (systolic blood pressure < 140 mmHg and diastolic blood pressure < 90 mmHg and systolic blood pressure ≥ 140 mmHg or diastolic blood pressure ≥ 90 mmHg); fasting blood glucose (< 100 and ≥ 100 mg/dL); glomerular filtration rate (< 60, 60–89, and ≥ 90 mL/min/1.73 m^2); smoking status (non-, ex-, and current smoker); alcohol consumption (drinks; < 1, 1–2, 3–4, and ≥ 5 days per week); aerobic physical activity (sufficient and insufficient); and history of medication use for coronary artery disease, diabetes mellitus, dyslipidemia, and hypertension.

[c]Significant differences ($p < 0.05$).