

**S4 Table.** Subgroup analyses of associations between fatty liver diseases and hepatocellular carcinoma risk among individuals without at least two chronic liver conditions

Disease	Absence of chronic liver disease and chronic viral hepatitis (n=25,802)			Absence of chronic viral hepatitis and cirrhosis (n=25,858)			Absence of chronic liver disease and cirrhosis (n=27,491)			Absence of three chronic liver conditions (n=25,792)		
	No. cases	Incidence (per 100,000 person-years)	Adjusted HR (95% CI)	No. cases	Incidence (per 100,000 person-years)	Adjusted HR (95% CI)	No. cases	Incidence (per 100,000 person-years)	Adjusted HR (95% CI)	No. cases	Incidence (per 100,000 person-years)	Adjusted HR (95% CI)
<b>Fatty liver disease</b>												
Absence	18	7.54	1.00 (reference)	19	7.94	1.00 (reference)	41	16.14	1.00 (reference)	16	8.44	1.00 (reference)
Presence	25	18.31	1.58 (0.87-2.89)	27	19.75	1.70 (0.95-3.04)	45	31.29	1.49 (0.99-2.24)	25	18.11	2.01 (1.07-3.78) <sup>a)</sup>
<b>NAFLD</b>												
Absence	27	9.35	1.00 (reference)	30	10.36	1.00 (reference)	70	22.52	1.00 (reference)	25	9.93	1.00 (reference)
Presence	12	14.93	1.26 (0.64-2.50)	12	14.93	1.27 (0.64-2.52)	12	14.93	1.29 (0.65-2.55)	12	15.47	1.55 (0.77-3.11)
<b>MAFLD</b>												
Absence	19	7.60	1.00 (reference)	20	7.98	1.00 (reference)	45	16.92	1.00 (reference)	17	8.44	1.00 (reference)
Presence	24	19.22	1.65 (0.91-3.00)	26	20.79	1.77 (0.99-3.15)	41	31.18	1.45 (0.96-2.18)	24	19.03	2.09 (1.12-3.89) <sup>a)</sup>
<b>MASLD</b>												
Absence	27	9.31	1.00 (reference)	28	9.63	1.00 (reference)	70	22.42	1.00 (reference)	25	9.88	1.00 (reference)
Presence	12	15.87	1.32 (0.67-2.62)	13	17.16	1.39 (0.72-2.68)	12	15.87	1.36 (0.69-2.68)	12	16.43	1.64 (0.82-3.29)
<b>MetALD</b>												
Absence	38	10.66	1.00 (reference)	40	11.19	1.00 (reference)	77	20.36	1.00 (reference)	36	11.25	1.00 (reference)
Presence	1	8.16	0.53 (0.07-3.85)	1	8.17	0.55 (0.08-4.00)	3	23.07	1.20 (0.44-3.30)	1	7.87	0.58 (0.08-4.23)
<b>ALD</b>												
Absence	37	10.37	1.00 (reference)	39	10.90	1.00 (reference)	78	20.60	1.00 (reference)	35	10.98	1.00 (reference)

Presence	2	16.40	1.33 (0.32-5.56)	2	16.39	1.29 (0.31-5.39)	2	15.58	0.93 (0.29-2.95)	2	15.61	1.26 (0.30-5.29)
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Multivariable models were adjusted for age, sex, chronic liver disease, chronic viral hepatitis, cirrhosis, and fibrosis-4. ALD, alcohol-related liver disease; CI, confidence interval; HR, hazard ratio; MAFLD, metabolic dysfunction-associated fatty liver disease; MASLD, metabolic dysfunction-associated steatotic liver disease; MetALD, metabolic dysfunction-associated steatotic liver disease with increased alcohol intake; NAFLD, nonalcoholic fatty liver disease. <sup>a)</sup>Significant differences.