

Supplementary Material

Supplementary Table S1. ICD-9-CM diagnosis codes for comorbidities and complications.

Comorbidity	ICD-9-CM diagnosis codes
Coronary artery disease	410-414
Cerebrovascular disease	
Ischemic	434-437.1
Hemorrhagic	430-432
Hypertension	401-405
Heart failure	428
Diabetes mellitus	250
Chronic kidney disease	403, 404, 582, and 585
Hyperlipidemia	272
Chronic obstructive lung disease	491-492, 494, and 496
Complication	
Ascites	789.5 and 568.82
Peritonitis	567
Hepatic encephalopathy	572.2
Esophageal varices	456-456.21

Supplementary Table S2. Multivariable Cox proportional hazards model for complications of LC and survival analysis.

Variable	Alcoholic Cirrhosis						Non-alcoholic Cirrhosis					
	Unadjusted hazard ratio			^a Adjusted hazard ratio			Unadjusted hazard ratio			^a Adjusted hazard ratio		
	Risk ratio	95% CI	P value	Risk ratio	95% CI	P value	Risk ratio	95% CI	P value	Risk ratio	95% CI	P value
Sex												
Male	0.703	0.371-1.335	0.282	0.855	0.444-1.647	0.640	1.114	1.008-1.232	0.034	1.363	1.231-1.510	<0.001
Female (reference)												
Age												
40-49 (reference)												
50-59	1.255	0.877-1.795	0.083	1.377	0.959-1.978	0.083	1.070	0.883-1.297	0.489	1.085	0.895-1.315	0.407
60-69	0.793	0.465-1.353	0.691	0.897	0.523-1.537	0.691	1.258	1.041-1.521	0.017	1.208	0.998-1.463	0.053
> 69	2.541	1.540-4.193	<0.001	2.977	1.778-4.985	<0.001	2.487	2.104-2.939	<0.001	2.343	1.976-2.778	<0.001
Complication												
Ascites or Peritonitis	1.719	1.193-2.476	0.004	1.378	0.939-2.022	0.101	2.680	2.429-2.956	<0.001	2.052	1.841-2.288	<0.001
Hepatic encephalopathy	2.524	1.694-3.763	<0.001	2.231	1.449-3.436	<0.001	2.850	2.550-3.184	<0.001	1.971	1.745-2.225	<0.001
Esophageal varices	2.251	1.526-3.320	<0.001	1.853	1.231-2.788	0.003	1.609	1.433-1.807	<0.001	1.123	0.992-1.271	0.066

^aAdjustments were made for sex, age, residence, income, ascites or peritonitis, hepatic encephalopathy, and esophageal varices.