

Supplementary Table 1 ICD -8 and ICD- 9 codes for liver disease and the three definitions of liver cirrhosis (LC)

ICD version	Code	Description	Liver disease	LC Definition		
				1†	2§	LC Definition 3¥
ICD-8	5700	Acute/subacute necrosis of liver	Yes	No	No	No
	5710	Cirrhosis of liver-alc	Yes	Yes	Yes	Yes
	5719	Cirrhosis of liver-othe	Yes	Yes	Yes	Yes
	5720	Suppurative hepatitis and liver abscess	Yes	No	No	No
	5730	Other disease of liver	Yes	No	No	No
ICD-9	570	Acute/subacute necrosis of liver	Yes	No	No	No
	5710	Alcoholic fatty liver	Yes	Yes	No	No
	5711	Acute alcoholic hepatitis	Yes	Yes	No	No
	5712	Alcoholic cirrhosis of liver	Yes	Yes	Yes	Yes
	5713	Alcoholic liver damage, unspec	Yes	Yes	No	No
	5714	Chronic hepatitis	Yes	Yes	No	No
	5715	Cirrhosis of liver without mention of alcohol	Yes	Yes	Yes	Yes
	5716	Biliary cirrhosis	Yes	Yes	No	Yes
	5718	Other chronic nonalcoholic liver disease	Yes	Yes	No	No
	5719	Unspec chronic liver disease without mention of alcohol	Yes	Yes	No	No
	5720	Abscess of liver	Yes	No	No	No
	5721	Portal pyemia	Yes	No	No	No
	5722	Hepatic coma	Yes	No	No	No
	5723	Portal hypertension	Yes	No	No	Yes
	5724	Hepatorenal syndrome	Yes	No	No	No
	5728	Other sequelae of chronic liver disease	Yes	No	No	No
	573	Other disorders of liver	Yes	No	No	No
	4560	Oesophageal varices with bleeding	No	No	No	Yes

4561	Oesophageal varices without bleeding	No	No	No	Yes
4562	Oesophageal varices in diseases classified elsewhere	No	No	No	Yes

†Leon et al.¹³ §Jepsen et al.¹⁶ ¶Ratib et al.³

Supplementary Table 2 ICD -10 codes for liver disease and the three definitions of liver cirrhosis (LC)

ICD version	Code	Description	Liver disease	LC Definition		
				1†	2§	LC Definition 3¥
ICD-10	K70.0	Alcoholic fatty liver	Yes	Yes	No	No
	K70.1	Alcoholic hepatitis	Yes	Yes	No	No
	K70.2	Alcoholic fibrosis and sclerosis of liver	Yes	Yes	No	No
	K70.3	Alcoholic cirrhosis of liver	Yes	Yes	Yes	Yes
	K70.4	Alcoholic hepatic failure	Yes	Yes	No	No
	K70.9	Alcoholic liver disease, unspecified	Yes	Yes	No	No
	K71.0	Toxic liver disease with cholestasis	Yes	No	No	No
	K71.1	Toxic liver disease with hepatic necrosis	Yes	No	No	No
	K71.2	Toxic liver disease with acute hepatitis	Yes	No	No	No
	K71.3	Toxic liver disease with chronic persistent hepatitis	Yes	No	No	No
	K71.4	Toxic liver disease with chronic lobular hepatitis	Yes	No	No	No
	K71.5	Toxic liver disease with chronic active hepatitis	Yes	No	No	No
	K71.6	Toxic liver disease with hepatitis, not elsewhere classified	Yes	No	No	No
	K71.7	Toxic liver disease with fibrosis and cirrhosis of liver	Yes	No	No	Yes
	K71.8	Toxic liver disease with disorders of liver	Yes	No	No	No
	K71.9	Toxic liver disease with disorders of liver	Yes	No	No	No
	K72.0	Acute and subacute hepatic failure	Yes	No	No	No
	K72.1	Chronic hepatic failure	Yes	No	No	Yes
	K72.9	Hepatic failure, unspecified	Yes	No	No	No
	K73	Chronic hepatitis, not elsewhere classified	Yes	Yes	No	No

†Leon et al.¹³ §Jepsen et al.¹⁶ ¥ Ratib et al.³ LC=liver cirrhosis

ICD version	Code	Description	Liver disease	LC	LC	LC
				Defintion2†	Defintion2§	Defintion3¥
ICD-10	K74.0	Hepatic fibrosis	Yes	Yes	No	No
	K74.1	Hepatic sclerosis	Yes	Yes	No	No
	K74.2	Hepatic fibrosis with hepatic sclerosis	Yes	Yes	No	No
	K74.3	Primary Biliary cirrhosis	Yes	Yes	No	No
	K74.4	Secondary biliary cirrhosis	Yes	Yes	No	Yes
	K74.5	Biliary cirrhosis, unspecified	Yes	Yes	No	Yes
	K74.6	Other and unspecified cirrhosis of liver	Yes	Yes	Yes	Yes
	K75	Other inflammatory liver diseases	Yes	No	No	No
	K76.0	Other diseases of liver	Yes	No	No	No
	K76.1	Chronic passive congestion of liver	Yes	No	No	No
	K67.2	Central haemorrhagic necrosis of liver	Yes	No	No	No
	K76.3	Infarction of liver	Yes	No	No	No
	K76.4	Peliosis hepatis	Yes	No	No	No
	K76.5	Hepatic veno-occlusive disease	Yes	No	No	No
	K76.6	Portal hypertension	Yes	No	No	Yes
	K76.7	Hepatorenal syndrome	Yes	No	No	No
	K76.8	Other specified diseases of liver	Yes	No	No	No
	K76.9	Liver disease, unspecified	Yes	No	No	No
	K77	Liver disorders in diseases classified elsewhere	Yes	No	No	No
	I85.0	Oesophageal varices with bleeding	No	No	No	Yes
	I85.9	Oesophageal varices without bleeding	No	No	No	Yes
	I86.4	Gastric varices	No	No	No	Yes
	I98.2	Oesophageal varices in diseases classified elsewhere	No	No	No	Yes

†Leon et al.¹³ §Jepsen et al.¹⁶ ¥ Ratib et al.³ LC=liver cirrhosis

