

**Supplemental Table 1.** Diagnosis of cirrhosis was defined by any of the ICD9/10 codes listed under #1 (cirrhosis) recorded at least twice OR any of the codes listed under #1 recorded only once PLUS at least one code recorded in #2 to #8 (complications of cirrhosis)

Diagnosis	ICD9		ICD10
<b>1. CIRRHOSIS</b>			
Alcoholic Cirrhosis Of Liver	571.2	Alcoholic cirrhosis without ascites	K70.30
Cirrhosis Of Liver Without Mention Of Alcohol	571.5	Other cirrhosis of liver	K74.69
		Unspecified cirrhosis of the liver	K74.60
		Pigmentary cirrhosis of the liver	E83.110
		Cirrhosis (of liver) with toxic liver disease	K71.7
		Alcoholic cirrhosis with ascites	K70.31
<b>2. VARICES NO BLEEDING</b>			
Esophageal Varices Without Mention Of Bleeding	456.1	Esophageal varices, no bleeding	I85.00
Esophageal Varices In Diseases Classified Elsewhere, Without Mention Of Bleeding	456.21	Gastric Varices, no bleeding	I86.40
		Secondary esophageal varices, no bleeding	I85.10
<b>3. VARICES WITH BLEEDING</b>			
Esophageal Varices With Bleeding	456.0	Esophageal varices, with bleeding	I85.01
Esophageal Varices In Diseases Classified Elsewhere, With Bleeding	456.20	Gastric Varices, with bleeding	I86.41
		Secondary esophageal varices, with bleeding	I85.11
<b>4. ASCITES</b>			
ascites	789.5	Alcoholic cirrhosis with ascites	K70.31
Other ascites	789.60	ascites in alcoholic hepatitis	K70.11
Non-malignant ascites	<b>789.59</b>	ascites in toxic liver disease with chronic active hepatitis	K71.51
		Other ascites	R18.8
<b>5. SPONTANEOUS BACTERIAL PERITONITIS</b>			
	567.23		K65.2
<b>6. ENCEPHALOPATHY</b>			
encephalopathy	572.2	Hepatic failure, unspecified with coma	K72.91
Chronic hepatitis C with hepatic coma	070.44	Encephalopathy, unspecified	G93.40
		Chronic failure with coma	K72.11
<b>7. HEPATORENAL SYNDROME</b>			
Hepatorenal syndrome	572.5		K76.7
<b>8. HEPATOPULMONARY SYNDROME</b>			
	573.5		K76.81

**Supplemental Table 2.** Comorbid Conditions in VA patients tested for SARS-CoV-2, by cirrhosis and SARS-CoV-2 status:

	NO CIRRHOSIS		CIRRHOSIS	
	SARS-CoV-2 Negative C0-S0	SARS-CoV-2 Positive C0-S1	SARS-CoV-2 Negative C1-S0	SARS-CoV-2 Positive C1-S1
	N=75,315	N=9826	N=3301	N=305
Diabetes	32.6	37.5	51.9	57.4
Cancer	25.2	22.1	42.4	40.7
Hypertension	58.8	61.6	80.5	80.3
Coronary Artery Disease	22.9	21.5	34.7	31.1
Congestive heart failure	12.4	10.6	27.4	27.2
Cerebrovascular Disease	3.4	3.4	5.2	7.5
Dialysis	3.0	3.2	9.7	10.2
Chronic kidney disease	16.7	17.9	31	36.7
Asthma	7.6	7.4	7.1	4.6
COPD	24.2	18.5	38.9	26.9
Obstructive sleep apnea	28.8	26.6	31.2	35.1
Obesity Hypoventilation	0.8	0.8	1.2	1
Alcohol Dependence	15.5	10.3	40.2	25.2
Drug Dependence	9.8	5.5	19.8	15.1
Hyperlipidemia	54.3	55.5	60.8	59
Smoking				
Never	28.8	36.4	19.5	23.3
Former	36.9	39.9	43.1	52.8
Current	21.5	11.1	29.5	14.4
Unknown	12.8	12.7	7.9	9.5

<sup>a</sup> Categorized by number of COVID-19 related deaths per million on 6/11/20<sup>32</sup>: <130 (AK, AR, CA, HI, ID, KS, KY, ME, MT, NC, ND, NE, OK, OR, PR, SC, SD, TN, TX, UT, VT, WI, WV, WY), 130-350 (AL, AZ, CO, FL, GA, IA, MN, MO, MS, NH, NM, NV, OH, VA, WA), 350-700 (DE, IL, IN, LA, MD, MI, PA), >700 (CT, MA, NJ, NY, RI)

<sup>b</sup> Measured -10/+5 days from index date in hospitalized patients only

**Supplemental Table 3.** 30-day incidence of hospitalization and mechanical ventilation, with death as a competing risk

	No Cirrhosis	No Cirrhosis	No Cirrhosis	Cirrhosis	Cirrhosis	Cirrhosis
	SARS-CoV-2 Negative	SARS-CoV-2 Positive	P-value	SARS-CoV-2 Negative	SARS-CoV-2 Positive	P-value
	N=75,315	N=9826		N=3301	N=305	
Hospitalization with death as a competing risk(%)	33.4	33.5	0.91	58.1	53.2	0.1
Hospitalization with death as a competing risk (%) <sup>a</sup>	28.3	29.7	0.02	51.9	49.4	0.4
Ventilation with death as a competing risk (%)	1.6	6.4	< 0.001	3.5	12.6	< 0.001

<sup>a</sup> Limited to hospitalization that occurred on or after the SARS-CoV-2 testing date.