

Supplement

Supplemental Table 1 - Identification of Experienced Homelessness*

Algorithm: any of the following in the one year prior to cirrhosis diagnosis

Criterion	Code	Description
ICD-9 Criteria (inpatient or outpatient)	V60.0 V60.1 V60.89 V60.9	Lack of housing Inadequate housing Other specified housing or economic circumstances Unspecified housing or economic circumstance
ICD-10 Criteria (inpatient or outpatient)	Z59.0 Z59.1 Z59.8 Z59.9	Homelessness Inadequate housing Other problems related to housing and economic circumstances Problem related to housing and economic circumstances, unspecified
VHA Clinic Stop Codes for Homelessness Services	522 528 529 530 590	Department of Housing and Urban Development VA Shared Housing (HUD-VASH) Telephone/homeless mentally ill Healthcare for homeless Veterans Telephone/HUD-VASH Community outreach to homeless Veterans by staff

**Adapted from Peterson, et al.*

Supplemental Table 2 - ICD-9/ICD-10 Codes Used to Identify Mental Health-Related Diagnoses

Condition	ICD-9 codes	ICD-10 codes
Depression	296.2, 296.3, 298.0, 300.4, 311	F32, F33, F34
Anxiety disorder	300.0, 300.2	F40, F41
PTSD	309.81	F43.10, F43.12
Bipolar disorder	296.0, 296.1, 296.04, 296.14, 296.4, 296.44, 296.5, 296.44, 296.5, 296.54, 296.6, 296.7, 296.8	F31
Schizophrenia	295.x	F20.x, F25
Alcohol use disorder	303.0, 303.9, 305.0	F10.1, F10.2, F10.3
Substance use disorder (except alcohol)	304.x–305.x	F11.x–19.1-2, except F17

--	--	--

Abbreviations: International Classification of Diseases (ICD), post-traumatic stress disorder (PTSD).

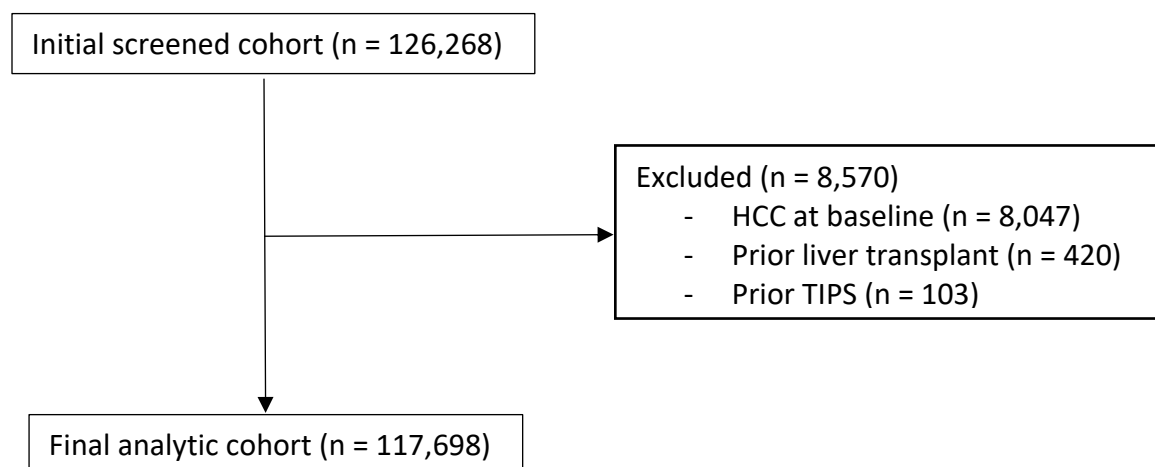
Supplemental Table 3 – Compensated Cirrhosis Subcohort Characteristics

Factor	No Experienced Homelessness (N=58,316)	Experienced Homelessness (N=8,973)	p-value
Age, median (IQR)	64 (58, 69)	59 (55, 64)	<0.001
Male Sex	56435 (96.8%)	8703 (97.0%)	0.28
Race			<0.001
White	36528 (62.6%)	4701 (52.4%)	
Black	10886 (18.7%)	2807 (31.3%)	
Hispanic	4749 (8.1%)	683 (7.6%)	
Asian	873 (1.5%)	96 (1.1%)	
Other	5280 (9.1%)	686 (7.6%)	
BMI, median (IQR)	29.2 (25.5, 33.5)	27.3 (23.9, 31.2)	<0.001
Etiology of Liver Disease			<0.001
HCV	14856 (25.5%)	1871 (20.9%)	
HBV	679 (1.2%)	71 (0.8%)	
ALD	14280 (24.6%)	2512 (28.0%)	
HCV+ALD	9320 (16.0%)	3754 (41.9%)	
NAFLD	16527 (28.4%)	646 (7.2%)	
Other	2502 (4.3%)	108 (1.2%)	
Diabetes	30599 (52.5%)	4126 (46.0%)	<0.001
Coronary Artery Disease	14272 (24.5%)	1708 (19.0%)	<0.001
Heart Failure	7103 (12.2%)	978 (10.9%)	<0.001
Atrial Fibrillation	4933 (8.5%)	623 (6.9%)	<0.001
Depression	28620 (49.1%)	6882 (76.7%)	<0.001
Anxiety	17062 (29.3%)	4356 (48.5%)	<0.001
Bipolar Disorder	4571 (7.8%)	2112 (23.5%)	<0.001
Schizophrenia	2994 (5.1%)	1310 (14.6%)	<0.001
PTSD	14979 (25.7%)	3538 (39.4%)	<0.001
Alcohol Use Disorder	26186 (44.9%)	7246 (80.8%)	<0.001
Substance Use Disorder	34330 (58.9%)	7853 (87.5%)	<0.001
Sodium, median (IQR)	138 (136, 140)	138 (136, 140)	<0.001
Creatinine, median (IQR)	0.9 (0.8, 1.2)	0.9 (0.8, 1.1)	<0.001
Albumin, median (IQR)	3.8 (3.5, 4.1)	3.8 (3.4, 4.1)	<0.001
Total Bilirubin, median (IQR)	0.8 (0.6, 1.1)	0.8 (0.5, 1.1)	<0.001
Alkaline Phosphatase, median (IQR)	90 (70, 120)	90 (70, 119)	0.45
AST, median (IQR)	45 (28, 76)	53 (30, 94)	<0.001
ALT, median (IQR)	41 (25, 72)	47 (26, 85)	<0.001
Platelet Count, median (IQR)	146 (106, 197)	156 (113, 210)	<0.001

INR, median (IQR)	1.1 (1.0, 1.2)	1.1 (1.0, 1.2)	<0.001
MELD-Na, median (IQR)	8 (6, 11)	8 (6, 10)	0.017
HDL, median (IQR)	42 (33, 54)	45 (35, 59)	<0.001
Triglyceride, median (IQR)	116 (81, 171)	106 (76, 154)	<0.001
LDL, median (IQR)	85 (64, 108)	86 (66, 108)	0.005
T. Cholesterol, median (IQR)	155 (131, 183)	157 (132, 185)	<0.001

Abbreviations: body mass index (BMI), hepatitis C virus (HCV), hepatitis B virus (HBV), alcoholic liver disease (ALD), nonalcoholic fatty liver disease (NAFLD), Child-Turcotte-Pugh (CTP), post-traumatic stress disorder (PTSD), aspartate aminotransferase (AST), alanine transaminase (ALT), international normalised ratio (INR), Model for End-Stage Liver Disease-Sodium (MELD-Na), high-density lipoprotein (HDL), low-density lipoprotein (LDL).

Supplemental Figure 1 – Patient Flow Diagram



Abbreviations: Hepatocellular carcinoma (HCC), Transjugular intrahepatic portosystemic shunt (TIPS).

