Supplemental Table 1A. Cumulative Social Disadvantage and Components by Race and Ethnicity (including expanded race and ethnicity categories)

	Asian or Pacific Islander (N=1)	Black (N=20)	Native American or American Indian (N=1)	Other (N=2)	White (N=115)	Total (N=139)
Education Attainment						
High School Degree or Higher	1 (100.0%)	13 (65.0%)	1 (100.0%)	1 (50.0%)	99 (86.1%)	115 (82.7%)
Less than High School	0 (0.0%)	7 (35.0%)	0 (0.0%)	1 (50.0%)	16 (13.9%)	24 (17.3%)
BHLS						
Q2 through Q4	1 (100.0%)	15 (75.0%)	1 (100.0%)	0 (0.0%)	93 (80.9%)	110 (79.7%)
Q1 (<7)	0 (0.0%)	5 (25.0%)	0 (0.0%)	1 (100.0%)	22 (19.1%)	28 (20.3%)
N-Miss	0	0	0	1	0	1
Disease Specific Knowledge						
Correctly Self Reported Disease	1 (100.0%)	8 (50.0%)	1 (100.0%)	1 (50.0%)	49 (51.0%)	60 (51.7%)
Incorrectly Self Reported Disease	0 (0.0%)	8 (50.0%)	0 (0.0%)	1 (50.0%)	47 (49.0%)	56 (48.3%)
N-Miss	0	4	0	0	19	23
Employment						
Employed/Retired/Homemaker/Refused	1 (100.0%)	9 (45.0%)	0 (0.0%)	2 (100.0%)	70 (61.4%)	82 (59.4%)
Unemployed/SSI/Disability	0 (0.0%)	11 (55.0%)	1 (100.0%)	0 (0.0%)	44 (38.6%)	56 (40.6%)
N-Miss	0	0	0	0	1	1
Income						
$15K or Greater	1 (100.0%)	9 (47.4%)	1 (100.0%)	2 (100.0%)	89 (81.7%)	102 (77.3%)
Less than $15K	0 (0.0%)	10 (52.6%)	0 (0.0%)	0 (0.0%)	20 (18.3%)	30 (22.7%)
N-Miss	0	1	0	0	6	7
Income Adequacy						
Enough or Little Spare Money	1 (100.0%)	12 (66.7%)	0 (0.0%)	2 (100.0%)	72 (67.3%)	87 (67.4%)
Difficulty Paying Bills or No Spare Money	0 (0.0%)	6 (33.3%)	1 (100.0%)	0 (0.0%)	35 (32.7%)	42 (32.6%)
N-Miss	0	2	0	0	8	10
Transportation						
No Transportation Issues	1 (100.0%)	17 (85.0%)	1 (100.0%)	2 (100.0%)	107 (93.0%)	128 (92.1%)
Transportation Issues	0 (0.0%)	3 (15.0%)	0 (0.0%)	0 (0.0%)	8 (7.0%)	11 (7.9%)
Neighborhood Poverty						
SDI Q1 through Q3	1 (100.0%)	6 (31.6%)	1 (100.0%)	2 (100.0%)	94 (82.5%)	104 (75.9%)
SDI Q4 (>85)	0 (0.0%)	13 (68.4%)	0 (0.0%)	0 (0.0%)	20 (17.5%)	33 (24.1%)
N-Miss	0	1	0	0	1	2
Insurance						
Medicare/Private	1 (100.0%)	8 (42.1%)	1 (100.0%)	2 (100.0%)	77 (67.0%)	89 (64.5%)
Medicaid	0 (0.0%)	11 (57.9%)	0 (0.0%)	0 (0.0%)	38 (33.0%)	49 (35.5%)
N-Miss	0	1	0	0	0	1
Social Support						
PROMIS ISS Q2 through Q4	1 (100.0%)	13 (65.0%)	0 (0.0%)	2 (100.0%)	90 (80.4%)	106 (77.9%)

	Asian or Pacific Islander (N=1)	Black (N=20)	Native American or American Indian (N=1)	Other (N=2)	White (N=115)	Total (N=139)
PROMIS ISS Q1 (<30)	0 (0.0%)	7 (35.0%)	1 (100.0%)	0 (0.0%)	22 (19.6%)	30 (22.1%)
N-Miss	0	0	0	0	3	3
Marital Status						
Married	1 (100.0%)	4 (20.0%)	0 (0.0%)	2 (100.0%)	68 (59.1%)	75 (54.0%)
Not Married	0 (0.0%)	16 (80.0%)	1 (100.0%)	0 (0.0%)	47 (40.9%)	64 (46.0%)
Adherence						
Adherence Sum Q2 through Q4	1 (100.0%)	15 (75.0%)	1 (100.0%)	2 (100.0%)	87 (77.7%)	106 (77.9%)
Adherence Sum Q1 (<14)	0 (0.0%)	5 (25.0%)	0 (0.0%)	0 (0.0%)	25 (22.3%)	30 (22.1%)
N-Miss	0	0	0	0	3	3
Substance Use						
No Recent Alcohol Use	1 (100.0%)	13 (65.0%)	1 (100.0%)	2 (100.0%)	91 (79.8%)	108 (78.3%)
Alcohol Use in Last 90 Days	0 (0.0%)	7 (35.0%)	0 (0.0%)	0 (0.0%)	23 (20.2%)	30 (21.7%)
N-Miss	0	0	0	0	1	1
Total Cumulative Burden						
Mean (SD)	0.0 (NA)	5.4 (2.5)	4.0 (NA)	1.5 (0.7)	3.2 (2.1)	3.5 (2.3)
Median (Q1, Q3)	0.0 (0.0, 0.0)	6.0 (3.8, 7.2)	4.0 (4.0, 4.0)	1.5 (1.2, 1.8)	3.0 (2.0, 4.5)	3.0 (2.0, 5.0)
Range	0.0 - 0.0	2.0 - 10.0	4.0 - 4.0	1.0 - 2.0	0.0 - 11.0	0.0 - 11.0
Abbreviations: Social Deprivation Index (SDI), Patient-Reported Outcomes Measurement Information System (PROMIS), Brief health literacy score (BHLS)						

Supplemental Table 1B. Cumulative Social Disadvantage and Components in Black vs. White Patients

	Black (N=20)	White (N=115)	Total (N=135)	p-value
Education Attainment				0.046*
High School Degree or Higher	13 (65.0%)	99 (86.1%)	112 (83.0%)	
Less than High School	7 (35.0%)	16 (13.9%)	23 (17.0%)	
BHLS				0.55
Q2 through Q4	15 (75.0%)	93 (80.9%)	108 (80.0%)	
Q1 (<7)	5 (25.0%)	22 (19.1%)	27 (20.0%)	
Disease Specific Knowledge				0.94
Correctly Self Reported Disease	8 (50.0%)	49 (51.0%)	57 (50.9%)	
Incorrectly Self Reported Disease	8 (50.0%)	47 (49.0%)	55 (49.1%)	
N-Miss	4	19	23	
Employment				0.17
Employed/Retired/Homemaker/Refused	9 (45.0%)	70 (61.4%)	79 (59.0%)	
Unemployed/SSI/Disability	11 (55.0%)	44 (38.6%)	55 (41.0%)	
N-Miss	0	1	1	
Income				0.003*
$15K or Greater	9 (47.4%)	89 (81.7%)	98 (76.6%)	
Less than $15K	10 (52.6%)	20 (18.3%)	30 (23.4%)	
N-Miss	1	6	7	
Income Adequacy				0.96
Enough or Little Spare Money	12 (66.7%)	72 (67.3%)	84 (67.2%)	
Difficulty Paying Bills or No Spare Money	6 (33.3%)	35 (32.7%)	41 (32.8%)	
N-Miss	2	8	10	
Transportation				0.21
No Transportation Issues	17 (85.0%)	107 (93.0%)	124 (91.9%)	
Transportation Issues	3 (15.0%)	8 (7.0%)	11 (8.1%)	
Neighborhood Poverty				<0.001*
SDI Q1 through Q3	6 (31.6%)	94 (82.5%)	100 (75.2%)	
SDI Q4 (>85)	13 (68.4%)	20 (17.5%)	33 (24.8%)	
N-Miss	1	1	2	
Insurance				0.04*
Medicare/Private	8 (42.1%)	77 (67.0%)	85 (63.4%)	
Medicaid	11 (57.9%)	38 (33.0%)	49 (36.6%)	
N-Miss	1	0	1	
Social Support				0.15
PROMIS ISS Q2 through Q4	13 (65.0%)	90 (80.4%)	103 (78.0%)	
PROMIS ISS Q1 (<30)	7 (35.0%)	22 (19.6%)	29 (22.0%)	
N-Miss	0	3	3	
Marital Status				0.001*
Married	4 (20.0%)	68 (59.1%)	72 (53.3%)	
Not Married	16 (80.0%)	47 (40.9%)	63 (46.7%)	
Adherence				0.78
Adherence Sum Q2 through Q4	15 (75.0%)	87 (77.7%)	102 (77.3%)	

	Black (N=20)	White (N=115)	Total (N=135)	p-value
Adherence Sum Q1 (<14)	5 (25.0%)	25 (22.3%)	30 (22.7%)	
N-Miss	0	3	3	
Substance Use				0.15
No Recent Alcohol Use	13 (65.0%)	91 (79.8%)	104 (77.6%)	
Alcohol Use in Last 90 Days	7 (35.0%)	23 (20.2%)	30 (22.4%)	
N-Miss	0	1	1	
Total Cumulative Burden				<0.001*
Mean (SD)	5.4 (2.5)	3.2 (2.1)	3.5 (2.3)	
Median (Q1, Q3)	6.0 (3.8, 7.2)	3.0 (2.0, 4.5)	3.0 (2.0, 5.0)	
Range	2.0 - 10.0	0.0 - 11.0	0.0 - 11.0	
Abbreviations: Social Deprivation Index (SDI), Patient-Reported Outcomes Measurement Information System (PROMIS), Brief health literacy score (BHLS) *p-value<0.05				

Supplemental Table 2. CSD and Components in Men vs Women

	Women (N=36)	Men (N=102)	Total (N=138)	p-value
Education Attainment				0.52
High School Degree or Higher	31 (86.1%)	83 (81.4%)	114 (82.6%)	
Less than High School	5 (13.9%)	19 (18.6%)	24 (17.4%)	
BHLS				0.26
Q2 through Q4	31 (86.1%)	78 (77.2%)	109 (79.6%)	
Q1 (<7)	5 (13.9%)	23 (22.8%)	28 (20.4%)	
N-Miss	0	1	1	
Disease Specific Knowledge				0.53
Correctly Self Reported Disease	18 (58.1%)	42 (50.0%)	60 (52.2%)	
Incorrectly Self Reported Disease	13 (41.9%)	42 (50.0%)	55 (47.8%)	
N-Miss	5	18	23	
Employment				0.78
Employed/Retired/Homemaker/Refused	22 (61.1%)	59 (58.4%)	81 (59.1%)	
Unemployed/SSI/Disability	14 (38.9%)	42 (41.6%)	56 (40.9%)	
N-Miss	0	1	1	
Income				0.20
$15K or Greater	22 (68.8%)	79 (79.8%)	101 (77.1%)	
Less than $15K	10 (31.2%)	20 (20.2%)	30 (22.9%)	
N-Miss	4	3	7	
Income Adequacy				0.18
Enough or Little Spare Money	20 (58.8%)	67 (71.3%)	87 (68.0%)	
Difficulty Paying Bills or No Spare Money	14 (41.2%)	27 (28.7%)	41 (32.0%)	
N-Miss	2	8	10	
Transportation				1.00
No Transportation Issues	34 (94.4%)	94 (92.2%)	128 (92.8%)	
Transportation Issues	2 (5.6%)	8 (7.8%)	10 (7.2%)	
Neighborhood Poverty				0.42
SDI Q1 through Q3	25 (71.4%)	79 (78.2%)	104 (76.5%)	
SDI Q4 (>85)	10 (28.6%)	22 (21.8%)	32 (23.5%)	
N-Miss	1	1	2	
Insurance				0.33
Medicare/Private	21 (58.3%)	68 (67.3%)	89 (65.0%)	
Medicaid	15 (41.7%)	33 (32.7%)	48 (35.0%)	
N-Miss	0	1	1	
Social Support				0.64
PROMIS ISS Q2 through Q4	29 (80.6%)	76 (76.8%)	105 (77.8%)	
PROMIS ISS Q1 (<30)	7 (19.4%)	23 (23.2%)	30 (22.2%)	
N-Miss	0	3	3	
Marital Status				0.32
Married	17 (47.2%)	58 (56.9%)	75 (54.3%)	
Not Married	19 (52.8%)	44 (43.1%)	63 (45.7%)	
Adherence				0.90

	Women (N=36)	Men (N=102)	Total (N=138)	p-value
Adherence Sum Q2 through Q4	28 (77.8%)	78 (78.8%)	106 (78.5%)	
Adherence Sum Q1 (<14)	8 (22.2%)	21 (21.2%)	29 (21.5%)	
N-Miss	0	3	3	
Substance Use				0.38
No Recent Alcohol Use	30 (83.3%)	77 (76.2%)	107 (78.1%)	
Alcohol Use in Last 90 Days	6 (16.7%)	24 (23.8%)	30 (21.9%)	
N-Miss	0	1	1	
Total Cumulative Burden				0.75
Mean (SD)	3.6 (2.0)	3.4 (2.4)	3.4 (2.3)	
Median (Q1, Q3)	3.0 (2.0, 5.0)	3.0 (2.0, 5.0)	3.0 (2.0, 5.0)	
Range	0.0 – 8.0	0.0 – 11.0	0.0 – 11.0	
Abbreviations: Social Deprivation Index (SDI), Patient-Reported Outcomes Measurement Information System (PROMIS), Brief health literacy score (BHLS)				

Supplemental Table 3A. Cumulative Social Disadvantageby Liver Etiology (including unknown/and other category)

	ALD (N=20)	Hepatitis C (N=59)	MASLD (N=43)	Unknown/ Other (N=5)	Total (N=127)
Education Attainment					
High School Degree or Higher	17 (85.0%)	46 (78.0%)	38 (88.4%)	3 (60.0%)	104 (81.9%)
Less than High School	3 (15.0%)	13 (22.0%)	5 (11.6%)	2 (40.0%)	23 (18.1%)
BHLS					
Q2 through Q4	17 (89.5%)	45 (76.3%)	32 (74.4%)	5 (100.0%)	99 (78.6%)
Q1 (<7)	2 (10.5%)	14 (23.7%)	11 (25.6%)	0 (0.0%)	27 (21.4%)
N-Miss	1	0	0	0	1
Disease Specific Knowledge					
Correctly Self Reported Disease	0 (0.0%)	35 (66.0%)	24 (61.5%)	1 (25.0%)	60 (54.1%)
Incorrectly Self Reported Disease	15 (100.0%)	18 (34.0%)	15 (38.5%)	3 (75.0%)	51 (45.9%)
N-Miss	5	6	4	1	16
Employment					
Employed/Retired/Homemaker	14 (73.7%)	24 (40.7%)	31 (72.1%)	3 (60.0%)	72 (57.1%)
Unemployed/SSI/Disability	5 (26.3%)	35 (59.3%)	12 (27.9%)	2 (40.0%)	54 (42.9%)
N-Miss	1	0	0	0	1
Income					
$15K or Greater	15 (88.2%)	33 (58.9%)	38 (90.5%)	5 (100.0%)	91 (75.8%)
Less than $15K	2 (11.8%)	23 (41.1%)	4 (9.5%)	0 (0.0%)	29 (24.2%)
N-Miss	3	3	1	0	7
Income Adequacy					
Enough or Little Spare Money	15 (83.3%)	31 (56.4%)	27 (69.2%)	3 (60.0%)	76 (65.0%)
Difficulty Paying Bills or No Spare Money	3 (16.7%)	24 (43.6%)	12 (30.8%)	2 (40.0%)	41 (35.0%)
N-Miss	2	4	4	0	10
Transportation					
No Transportation Issues	17 (85.0%)	53 (89.8%)	43 (100.0%)	5 (100.0%)	118 (92.9%)
Transportation Issues	3 (15.0%)	6 (10.2%)	0 (0.0%)	0 (0.0%)	9 (7.1%)
Neighborhood Poverty					
SDI Q1 through Q3	15 (78.9%)	35 (60.3%)	40 (93.0%)	5 (100.0%)	95 (76.0%)
SDI Q4 (>85)	4 (21.1%)	23 (39.7%)	3 (7.0%)	0 (0.0%)	30 (24.0%)
N-Miss	1	1	0	0	2
Insurance					
Medicare/Private	18 (90.0%)	26 (44.8%)	34 (79.1%)	2 (40.0%)	80 (63.5%)
Medicaid	2 (10.0%)	32 (55.2%)	9 (20.9%)	3 (60.0%)	46 (36.5%)
N-Miss	0	1	0	0	1
Social Support					
PROMIS ISS Q2 through Q4	12 (60.0%)	41 (71.9%)	38 (90.5%)	5 (100.0%)	96 (77.4%)
PROMIS ISS Q1 (<30)	8 (40.0%)	16 (28.1%)	4 (9.5%)	0 (0.0%)	28 (22.6%)
N-Miss	0	2	1	0	3
Marital Status					
Married	13 (65.0%)	23 (39.0%)	28 (65.1%)	4 (80.0%)	68 (53.5%)

	ALD (N=20)	Hepatitis C (N=59)	MASLD (N=43)	Unknown/ Other (N=5)	Total (N=127)
Not Married	7 (35.0%)	36 (61.0%)	15 (34.9%)	1 (20.0%)	59 (46.5%)
Adherence					
Adherence Sum Q2 through Q4	18 (94.7%)	42 (73.7%)	33 (76.7%)	5 (100.0%)	98 (79.0%)
Adherence Sum Q1 (<14)	1 (5.3%)	15 (26.3%)	10 (23.3%)	0 (0.0%)	26 (21.0%)
N-Miss	1	2	0	0	3
Substance Use					
No Recent Alcohol Use	17 (85.0%)	39 (67.2%)	38 (88.4%)	5 (100.0%)	99 (78.6%)
Alcohol Use in Last 90 Days	3 (15.0%)	19 (32.8%)	5 (11.6%)	0 (0.0%)	27 (21.4%)
N-Miss	0	1	0	0	1
Total Cumulative Burden					
Mean (SD)	2.9 (1.7)	4.6 (2.4)	2.4 (1.7)	2.6 (2.4)	3.5 (2.3)
Median (Q1, Q3)	2.5 (2.0, 4.0)	5.0 (3.0, 6.0)	2.0 (1.0, 4.0)	2.0 (1.0, 4.0)	3.0 (2.0, 5.0)
Range	1.0 - 7.0	0.0 - 11.0	0.0 - 6.0	0.0 - 6.0	0.0 - 11.0
Abbreviations: Social Deprivation Index (SDI), Patient-Reported Outcomes Measurement Information System (PROMIS), Brief health literacy score (BHLS)					

Supplemental Table 3B. Cumulative Social Disadvantageand Components by Liver Disease Etiology

	ALD (N=20)	HCV (N=59)	MASLD (N=43)	Total (N=122)	p-value
Education Attainment					0.37
High School Degree or Higher	17 (85.0%)	46 (78.0%)	38 (88.4%)	101 (82.8%)	
Less than High School	3 (15.0%)	13 (22.0%)	5 (11.6%)	21 (17.2%)	
BHLS					0.40
Q2 through Q4	17 (89.5%)	45 (76.3%)	32 (74.4%)	94 (77.7%)	
Q1 (<7)	2 (10.5%)	14 (23.7%)	11 (25.6%)	27 (22.3%)	
N-Miss	1	0	0	1	
Disease Specific Knowledge					<0.001*
Correctly Self Reported Disease	0 (0.0%)	35 (66.0%)	24 (61.5%)	59 (55.1%)	
Incorrectly Self Reported Disease	15 (100.0%)	18 (34.0%)	15 (38.5%)	48 (44.9%)	
N-Miss	5	6	4	15	
Employment					0.002*
Employed/Retired/Homemaker/ Refused	14 (73.7%)	24 (40.7%)	31 (72.1%)	69 (57.0%)	
Unemployed/SSI/Disability	5 (26.3%)	35 (59.3%)	12 (27.9%)	52 (43.0%)	
N-Miss	1	0	0	1	
Income					0.001*
$15K or Greater	15 (88.2%)	33 (58.9%)	38 (90.5%)	86 (74.8%)	
Less than $15K	2 (11.8%)	23 (41.1%)	4 (9.5%)	29 (25.2%)	
N-Miss	3	3	1	7	
Income Adequacy					0.09
Enough or Little Spare Money	15 (83.3%)	31 (56.4%)	27 (69.2%)	73 (65.2%)	
Difficulty Paying Bills or No Spare Money	3 (16.7%)	24 (43.6%)	12 (30.8%)	39 (34.8%)	
N-Miss	2	4	4	10	
Transportation					0.03*
No Transportation Issues	17 (85.0%)	53 (89.8%)	43 (100.0%)	113 (92.6%)	
Transportation Issues	3 (15.0%)	6 (10.2%)	0 (0.0%)	9 (7.4%)	
Neighborhood Poverty					0.001*
SDI Q1 through Q3	15 (78.9%)	35 (60.3%)	40 (93.0%)	90 (75.0%)	
SDI Q4 (>85)	4 (21.1%)	23 (39.7%)	3 (7.0%)	30 (25.0%)	
N-Miss	1	1	0	2	
Insurance					<0.001*
Medicare/Private	18 (90.0%)	26 (44.8%)	34 (79.1%)	78 (64.5%)	
Medicaid	2 (10.0%)	32 (55.2%)	9 (20.9%)	43 (35.5%)	
N-Miss	0	1	0	1	
Social Support					0.02*
PROMIS ISS Q2 through Q4	12 (60.0%)	41 (71.9%)	38 (90.5%)	91 (76.5%)	
PROMIS ISS Q1 (<30)	8 (40.0%)	16 (28.1%)	4 (9.5%)	28 (23.5%)	
N-Miss	0	2	1	3	
Marital Status					0.02*
Married	13 (65.0%)	23 (39.0%)	28 (65.1%)	64 (52.5%)	

Not Married	7 (35.0%)	36 (61.0%)	15 (34.9%)	58 (47.5%)	
Adherence					0.15
Adherence Sum Q2 through Q4	18 (94.7%)	42 (73.7%)	33 (76.7%)	93 (78.2%)	
Adherence Sum Q1 (<14)	1 (5.3%)	15 (26.3%)	10 (23.3%)	26 (21.8%)	
N-Miss	1	2	0	3	
Substance Use					0.03*
No Recent Alcohol Use	17 (85.0%)	39 (67.2%)	38 (88.4%)	94 (77.7%)	
Alcohol Use in Last 90 Days	3 (15.0%)	19 (32.8%)	5 (11.6%)	27 (22.3%)	
N-Miss	0	1	0	1	
Total Cumulative Burden					<0.001*
Mean (SD)	2.9 (1.7)	4.6 (2.4)	2.4 (1.7)	3.6 (2.3)	
Median (Q1, Q3)	2.5 (2.0, 4.0)	5.0 (3.0, 6.0)	2.0 (1.0, 4.0)	3.0 (2.0, 5.0)	
Range	1.0 - 7.0	0.0 - 11.0	0.0 - 6.0	0.0 - 11.0	
Abbreviations: Social Deprivation Index (SDI), Patient-Reported Outcomes Measurement Information System (PROMIS), Alchohol Associated Liver Disease (ALD), Hepatitis C virus (HCV) Metabolic Dysfunction-Associated Steatotic Liver Disease (MASLD), Brief health literacy score (BHLS) *p-value<0.05					

Supplemental Table 4. Cumulative Social Disadvantageand Components by Survival/Transplant Status

	Alive and Non Transplanted (N=69)	Transplanted (N=41)	Deceased No Transplant (N=29)	Total (N=139)	p-value
Education Attainment					0.17
High School Degree or Higher	53 (76.8%)	37 (90.2%)	25 (86.2%)	115 (82.7%)	
Less than High School	16 (23.2%)	4 (9.8%)	4 (13.8%)	24 (17.3%)	
BHLS					0.10
Q2 through Q4	57 (82.6%)	34 (85.0%)	19 (65.5%)	110 (79.7%)	
Q1 (<7)	12 (17.4%)	6 (15.0%)	10 (34.5%)	28 (20.3%)	
N-Miss	0	1	0	1	
Disease Specific Knowledge					0.68
Correctly Self Reported Disease	29 (51.8%)	18 (47.4%)	13 (59.1%)	60 (51.7%)	
Incorrectly Self Reported Disease	27 (48.2%)	20 (52.6%)	9 (40.9%)	56 (48.3%)	
N-Miss	13	3	7	23	
Employment					0.70
Employed/Retired/Homemaker/Refused	38 (55.9%)	26 (63.4%)	18 (62.1%)	82 (59.4%)	
Unemployed/SSI/Disability	30 (44.1%)	15 (36.6%)	11 (37.9%)	56 (40.6%)	
N-Miss	1	0	0	1	
Income					0.05
$15K or Greater	46 (68.7%)	32 (84.2%)	24 (88.9%)	102 (77.3%)	
Less than $15K	21 (31.3%)	6 (15.8%)	3 (11.1%)	30 (22.7%)	
N-Miss	2	3	2	7	
Income Adequacy					0.38
Enough or Little Spare Money	40 (63.5%)	29 (76.3%)	18 (64.3%)	87 (67.4%)	
Difficulty Paying Bills or No Spare Money	23 (36.5%)	9 (23.7%)	10 (35.7%)	42 (32.6%)	
N-Miss	6	3	1	10	
Transportation					0.77
No Transportation Issues	62 (89.9%)	39 (95.1%)	27 (93.1%)	128 (92.1%)	
Transportation Issues	7 (10.1%)	2 (4.9%)	2 (6.9%)	11 (7.9%)	
Neighborhood Poverty					0.34
SDI Q1 through Q3	48 (70.6%)	33 (82.5%)	23 (79.3%)	104 (75.9%)	
SDI Q4 (>85)	20 (29.4%)	7 (17.5%)	6 (20.7%)	33 (24.1%)	
N-Miss	1	1	0	2	
Insurance					0.049*
Medicare/Private	37 (54.4%)	31 (75.6%)	21 (72.4%)	89 (64.5%)	
Medicaid	31 (45.6%)	10 (24.4%)	8 (27.6%)	49 (35.5%)	
N-Miss	1	0	0	1	
Social Support					0.46
PROMIS ISS Q2 through Q4	50 (73.5%)	34 (82.9%)	22 (81.5%)	106 (77.9%)	
PROMIS ISS Q1 (<30)	18 (26.5%)	7 (17.1%)	5 (18.5%)	30 (22.1%)	
N-Miss	1	0	2	3	
Marital Status					0.04*
Married	30 (43.5%)	28 (68.3%)	17 (58.6%)	75 (54.0%)	
Not Married	39 (56.5%)	13 (31.7%)	12 (41.4%)	64 (46.0%)	

Adherence					>0.99
Adherence Sum Q2 through Q4	52 (77.6%)	32 (78.0%)	22 (78.6%)	106 (77.9%)	
Adherence Sum Q1 (<14)	15 (22.4%)	9 (22.0%)	6 (21.4%)	30 (22.1%)	
N-Miss	2	0	1	3	
Substance Use					0.03*
No Recent Alcohol Use	48 (69.6%)	37 (90.2%)	23 (82.1%)	108 (78.3%)	
Alcohol Use in Last 90 Days	21 (30.4%)	4 (9.8%)	5 (17.9%)	30 (21.7%)	
N-Miss	0	0	1	1	
Total Cumulative Burden					0.01*
Mean (SD)	4.1 (2.6)	2.7 (1.9)	3.1 (1.7)	3.5 (2.3)	
Median (Q1, Q3)	4.0 (2.0, 6.0)	2.0 (1.0, 4.0)	3.0 (2.0, 4.0)	3.0 (2.0, 5.0)	
Range	0.0 - 11.0	0.0 - 8.0	0.0 - 6.0	0.0 - 11.0	
Abbreviations: Social Deprivation Index (SDI), Patient-Reported Outcomes Measurement Information System (PROMIS), Brief health literacy score (BHLS) *p-value<0.05					

Supplemental Table 5: Univariable Analysis: Association between demographic, clinical, and SDOH with Survival

Predictor	Hazard Ratio Estimate	95% Confidence Interval		p-value
Age at Diagnosis	1.01	0.97	1.06	0.58
Sex (Female vs. Male)	0.91	0.40	2.08	0.83
Race (Black vs. White)	0.18	0.02	1.44	0.11
Ethnicity (Hispanic vs. Non-Hispanic)	0.41	0.06	2.80	0.36
Diagnosis BMI	1.04	0.99	1.10	0.11
Charlson Total	1.16	1.01	1.32	0.04*
MELD-Na	1.08	1.01	1.16	0.03*
BCLC (C/D vs. A/B)	1.92	0.88	4.23	0.10
AFP Category (>=500 VS. <500)	2.02	0.85	4.77	0.11
Largest Tumor Size	1.02	0.95	1.10	0.56
Education Attainment (Less than High School vs. High School+)	0.81	0.28	2.29	0.69
BHLS (Q1 vs. Q2/3/4)	2.54	1.18	5.46	0.02*
Disease Specific Knowledge (Correct vs. Incorrect)	0.72	0.31	1.67	0.45
Employment (Unemployed/SSI/Disability vs. Employed)	0.81	0.39	1.68	0.58
Income (Less than $15K vs. $15K+)	0.44	0.13	1.49	0.19
Income Adequacy (Difficulty Paying Bills/No Spare Money vs. Enough or Little Spare Money)	1.12	0.52	2.39	0.77
Transportation (Transportation Issues vs. No Issues)	0.92	0.21	4.00	0.92
Neighborhood Poverty (SDI Q4 vs. SDI Q1/2/3)	0.68	0.30	1.55	0.36
Insurance (Medicaid vs. Medicare/Private)	0.74	0.33	1.63	0.45
Social Support (ISS Q1 vs. ISS Q2/3/4)	0.86	0.34	2.14	0.74

Marital Status (Not Married vs. Married)	0.83	0.41	1.68	0.60
Adherence (Adherence Q1 vs. Adherence Q 2/3/4)	0.83	0.36	1.89	0.65
Alcohol Use (Last 90 Days vs. No Recent Use)	0.85	0.33	2.16	0.73
Total Cumulative Burden	0.93	0.81	1.07	0.30
Abbreviations: *p-value<0.05				

Supplemental Table 6: Univariable Analysis: Association between demographic, clinical, and SDOH with LT among participants with BCLC stage 0-B disese at diagnosis

Predictor	Hazard Ratio	95% Confidence Interval		p-value
Age at Diagnosis	1.02	0.98	1.06	0.27
Sex (Female vs. Male)	1.02	0.47	2.23	0.96
Race (Black vs. White)	0.44	0.16	1.22	0.11
Ethnicity (Hispanic vs. Non-Hispanic)	1.13	0.35	3.66	0.83
CCI	0.81	0.66	0.99	0.04
MELD-Na	0.99	0.92	1.07	0.86
Education Attainment (Less than High School vs. High School+)	0.59	0.21	1.67	0.32
BHLS (Q1 vs. Q2/3/4)	0.70	0.29	1.71	0.44
Disease Specific Knowledge (Incorrect vs. Correct)	1.08	0.54	2.17	0.82
Employment (Unemployed/SSI/Disability vs. Employed)	0.67	0.34	1.33	0.25
Income (Less than $15K vs. $15K+)	0.65	0.26	1.62	0.36
Income Adequacy (Difficulty Paying Bills/No Spare Money vs. Enough or Little Spare Money)	0.52	0.23	1.19	0.12
Transportation (Transportation Issues vs. No Issues)	0.28	0.04	1.76	0.17
Neighborhood Poverty (SDI Q4 vs. SDI Q1/2/3)	0.52	0.23	1.17	0.11
Insurance (Medicaid vs. Medicare/Private)	0.67	0.32	1.40	0.29
Social Support (ISS Q1 vs. ISS Q2/3/4)	0.74	0.31	1.78	0.50
Marital Status (Not Married vs. Married)	0.56	0.28	1.12	0.10
Adherence (Adherence Q1 vs. Adherence Q 2/3/4)	1.17	0.52	2.65	0.71
Alcohol Use (Last 90 Days vs. No Recent Use)	0.35	0.10	1.18	0.09
Total Cumulative Burden	0.82	0.69	0.97	0.02*
Abbreviations: Brief Health Literacy (BHLS), Child Pugh Score (CPS) *p-value<0.05				