

## Appendix

**Table A Demographics, comorbid conditions, and disease characteristics of HCC patients, by race**

Patient characteristics	<i>P</i> (univariate)	<i>P</i> (pairwise Fishers) H vs AA	<i>P</i> (pairwise Fishers) H vs W	<i>P</i> (pairwise Fishers) AA vs W	<i>P</i> <sup>a</sup>
<b>Demographics</b>					
Age (Mean years ± SD)	0.0945 0.0223	0.7429	0.0378	0.0084	* HW, AW
Female	0.759				
Insurance					
Medicare/Medicaid					
Private	0.5074				
None	0.0346	0.0491	1	0.0228	* HA, AW
BMI > 24.9					
Metabolic Syndrome					
<b>Comorbid Conditions</b>					
Hyperlipidemia	0.0001	0.0004	0.001	0.5786	** HW, HA
On dialysis <sup>b</sup>	0.0057	0.0074	0.0074	0.2359	** HNH
Diabetes Mellitus 2	0.0019	0.0007	0.0648	0.045	** HA, *AW
History smoking	0.0056	0.0022	0.0102	0.0332	** HW, HA;
Current Smoker	<.0001	<.0001	<.0001	0.0332	*AW
Triglycerides (median+SD)	0.5846 0.1604				** HW, HA; *AW
History alcohol use					
<b>Cirrhosis Characteristics</b>					
Etiology <sup>c</sup>	<.0001	<.0001	0.0005	0.2558	** HW, HA
HCV	0.3526				
HBV	0.4248				
ETOH	0.0021	0.0007	0.0187	0.1319	** HA, * HW
NASH	0.0562			0.2729	*HA, **AW
Other <sup>d</sup>	0.0002	0.0159	0.1569	<.0001	
MELD (Median ± SD)					
AFP	0.1986				
Median (IQ Range)	0.0055	0.035	0.3618	0.001	*HA, **AW
	0.0002	0.0087	0.3554	<0.0001	*HA, ** AW
AFP > 200	0.0008	0.006	0.042	0.0037	*HW, HA, AW
Hepatic Encephalopathy	0.1909				
Ascites					
HCC surveillance performed					

<b>Tumor Parameters</b>					
Tumor size (cm)					
Median (+ SD)	0.8529				
(IQ Range)	(2.0-6.0)	(2.0-5.0)	(2.0-6.0)	(2.0-6.0)	
> 5cm (n, %)	0.7724				
Median >5 cm	(6.0-12.0)	(7.5-13.0)	(6.0-11.0)	(6.0-8.0)	
(IQ)	0.757				
Stage at diagnosis					
Unifocal					
Multifocal					
Metastatic	0.43				
Portal Vein	0.7758				
Involvement	0.8401				
Poorly differentiated					
Within Milan Criteria					

<sup>a</sup>*P* values from chi-square tests (two-sided) for overall race effect followed by pairwise comparisons between races, for *p* values < 0.05. A significance level of 0.05 was used for the overall race comparisons. <sup>b</sup>Given *N* < 5 for AA (*N*=0) and W (*N*=2), limited statistical tests for Hispanic to Non-Hispanic with *p* = 0.0074. <sup>c</sup>Some patients with more than one listed etiology of cirrhosis. <sup>d</sup>Other: cryptogenic, hemochromatosis, autoimmune, other not specified. \**P* < 0.05; \**P* < 0.001. H: Hispanics; A: African Americans; W: non-Hispanic Caucasians; SD: standard deviation; IQ: percentile interquartile range (25%, 75%); HW: Hispanics compared to Whites; HA: Hispanics compared to African Americans; AW: African Americans compared to Whites; HNH: Hispanics compared to Non-Hispanics.

**Table B Treatment patterns of non-metastatic patients with HCC, by race**

First line treatment characteristics, non metastatic patients	<i>P</i> (univariate)	<i>P</i> (pairwise Fishers) H vs AA	<i>P</i> (pairwise Fishers) H vs W	<i>P</i> (pairwise Fishers) AA vs W	<i>P</i> <sup>a</sup>
Surgery					
Liver directed	0.1168				
Chemotherapy					
Observation					
Lost to follow up					
Met Milan Criteria	0.8401				
Transplanted	0.176				
Listed	0.1743				
Tumor exception points	0.3698				
Transplanted	0.0482	0.3682	0.1305	0.0165	*AW
Removed from list	0.0297	0.2307	0.1557	0.0084	**AW
Death					
Progression					
Transfer of care					
Other					

For N smaller than 5 per group (H, AA, W),  $\chi^2$  results were not calculated given uncertain significance level. <sup>a</sup> *P* values from chi-square tests (two-sided) for overall race effect followed by pairwise comparisons between races, for *p* values < 0.05. A significance level of 0.05 was used for the overall race comparisons. <sup>b</sup>Some patients with more than one listed etiology of cirrhosis. <sup>c</sup>Other: Cryptogenic, hemochromatosis, autoimmune, other not specified. \**P* < 0.05; \*\**P* < 0.001. H: Hispanics; A: African Americans; W: non-Hispanic Caucasians; SD: standard deviation; IQ: percentile interquartile range (25%, 75%); HW: Hispanics compared to Whites; HA: Hispanics compared to African Americans; AW: African Americans compared to Whites; HNH: Hispanics compared to Non-Hispanics.