**Appendix**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Patient** **characteristics** | ***P*****(univariate)** | ***P*****(pairwise****Fishers)****H *vs* AA** | ***P*****(pairwise****Fishers)****H *vs* W** | ***P*****(pairwise****Fishers)****AA *vs* W**  | ***P*a** |
| **Demographics** Age (Mean years + SD) Female Insurance Medicare/Medicaid Private None BMI > 24.9 Metabolic Syndrome | 0.09450.02230.7590.50740.0346 | 0.74290.0491 | 0.03781 | 0.00840.0228 | \* HW, AW\* HA, AW |
| **Comorbid Conditions** Hyperlipidemia On dialysis**b** Diabetes Mellitus 2 History smoking Current Smoker Triglycerides (median*+*SD)History alcohol use | 0.00010.00570.00190.0056<.00010.58460.1604 | 0.00040.00740.00070.0022<.0001 | 0.0010.00740.06480.0102<.0001 | 0.57860.23590.0450.03320.0332 | *\*\** HW, HA\*\* HNH\*\* HA, \*AW\*\* HW, HA; \*AW\*\* HW, HA; \*AW |
| **Cirrhosis Characteristics** Etiology**c** HCV HBV ETOH NASH Other**d** MELD (Median + SD) AFP  Median (IQ Range) AFP > 200 Hepatic Encephalopathy Ascites HCC surveillance performed | <.00010.35260.42480.00210.05620.00020.19860.00550.00020.00080.1909 | <.00010.00070.01590.0350.00870.006 |  0.00050.01870.15690.36180.35540.042 | 0.25580.13190.2729<.00010.001<0.00010.0037 | \*\* HW, HA\*\* HA, \* HW\*HA, \*\*AW\*HA, \*\*AW\*HA, \*\* AW\*HW, HA, AW |
| **Tumor Parameters**Tumor size (cm) Median (+ SD) (IQ Range) > 5cm (n, %) Median >5 cm (IQ) Stage at diagnosis Unifocal Multifocal Metastatic Portal Vein Involvement Poorly differentiated Within Milan Criteria | 0.8529(2.0-6.0)0.7724(6.0-12.0)0.7570.430.77580.8401 | (2.0-5.0)(7.5-13.0) | (2.0-6.0)(6.0-11.0) | (2.0-6.0)(6.0-8.0) |  |

aP 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. bGiven N < 5 for AA (N=0) and W (N=2), limited statistical tests for Hispanic to Non-Hispanic with p = 0.0074. cSome patients with more than one listed etiology of cirrhosis. dOther: 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** | ***P*****(univariate)** | ***P*****(pairwise****Fishers)****H *vs* AA** | ***P*****(pairwise****Fishers)****H *vs* W** | ***P*****(pairwise****Fishers)****AA *vs* W**  | ***P*a** |
| Surgery |  |   |  |   |  |
| Liver directed | 0.1168  |  |  |  |  |
| Chemotherapy |  |  |  |  |  |
| Observation |  |  |  |  |  |
| Lost to follow up |  |  |  |  |  |
| Met Milan Criteria Transplanted | 0.84010.176 |  |  |  |  |
| Listed Tumor exception points Transplanted Removed from list Death Progression Transfer of care Other | 0.17430.36980.04820.0297 | 0.36820.2307 | 0.13050.1557 | 0.01650.0084 | \*AW\*\*AW |

For N smaller than 5 per group (H, AA, W), *χ*2 results were not calculated given uncertain significance level. a 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. bSome patients with more than one listed etiology of cirrhosis. cOther: 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.