**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 | 0.0945  0.0223  0.759  0.5074  0.0346 | 0.7429  0.0491 | 0.0378  1 | 0.0084  0.0228 | \* HW, AW  \* HA, AW |
| **Comorbid Conditions**  Hyperlipidemia  On dialysis**b**  Diabetes Mellitus 2  History smoking  Current Smoker Triglycerides (median*+*SD)  History alcohol use | 0.0001  0.0057  0.0019  0.0056  <.0001  0.5846  0.1604 | 0.0004  0.0074  0.0007  0.0022  <.0001 | 0.001  0.0074  0.0648  0.0102  <.0001 | 0.5786  0.2359  0.045  0.0332  0.0332 | *\*\** 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 | <.0001  0.3526  0.4248  0.0021  0.0562  0.0002  0.1986  0.0055  0.0002  0.0008  0.1909 | <.0001  0.0007  0.0159  0.035  0.0087  0.006 | 0.0005  0.0187  0.1569  0.3618  0.3554  0.042 | 0.2558  0.1319  0.2729  <.0001  0.001  <0.0001  0.0037 | \*\* 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)  0.757  0.43  0.7758  0.8401 | (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 | 0.8401  0.176 |  |  |  |  |
| Listed  Tumor exception points  Transplanted  Removed from list  Death  Progression  Transfer of care  Other | 0.1743  0.3698  0.0482  0.0297 | 0.3682  0.2307 | 0.1305  0.1557 | 0.0165  0.0084 | \*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.