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| **Supplemental Table 1: Renal Cell Carcinomaa Incidence by Geographic Region and Sex for non-Hispanic American Indian/Alaska Nativeb and non-Hispanic White Males and Females, PRCDA , US, 2011-2020** |
| Sex | Region  | NH-AI/AN Count | NH-AI/AN Ratec | 95% CI for NH- AI/AN Rate | NHW Ratec | 95% CI for NHW Rate | RRd (AI/AN:W) | 95% CI for RR |
| Males  |   |   |   |   |   |   |   |   |
|   | Northern Plains | 288 | 59.1 | (51.9-66.9) | 20.8 | (20.3-21.4) | 2.84e | (2.49-3.22) |
|   | Alaska | 136 | 30.0 | (24.8-35.9) | 17.5 | (15.8-19.2) | 1.72e | (1.39-2.11) |
|   | Southern Plains | 701 | 46.0 | (42.5-49.7) | 19.5 | (18.8-20.1) | 2.36e | (2.17-2.57) |
|   | Pacific Coast | 373 | 25.8 | (23.1-28.7) | 16.4 | (16.2-16.7) | 1.57e | (1.40-1.75) |
|   | East | 95 | 16.3 | (13.1-20.1) | 17.7 | (17.5-18.0) | 0.92 | (0.74-1.14) |
|   | Southwest | 696 | 36.8 | (34.0-39.7) | 15.1 | (14.7-15.4) | 2.44e | (2.25-2.65) |
|   | US Overall | 2,289 | 35.8 | (34.2-37.3) | 17.3 | (17.1-17.4) | 2.07e | (1.98-2.16) |
|   |   |  |   |   |   |   |   |   |
| Females |   |   |   |   |   |   |   |   |
|   | Northern Plains | 160 | 28.9 | (24.2-33.9) | 10.5 | (10.1-10.9) | 2.76e | (2.32-2.25) |
|   | Alaska | 103 | 19.5 | (15.9-23.8) | 8.7 | (7.6-10.0) | 2.23e | (1.74-2.86) |
|   | Southern Plains | 480 | 27.6 | (25.1-30.3) | 11.7 | (11.2-12.2) | 2.36e | (2.13-2.61) |
|   | Pacific Coast | 235 | 13.8 | (12.0-15.8) | 8.2 | (8.1-8.4) | 1.68e | (1.46-1.92) |
|   | East | 81 | 12.5 | (9.8-15.6) | 8.9 | (8.8-9.2) | 1.39e | (1.10-1.75) |
|   | Southwest | 423 | 17.6 | (15.9-19.4) | 7.4 | (7.1-7.6) | 2.39e | (2.15-2.65) |
|   | US Overall | 1,482 | 19.7 | (18.6-20.7) | 8.8 | (8.7-8.9) | 2.24e | (2.12-2.36) |
| Source: National Program of Cancer Registries and Surveillance - Epidemiology - and End Results SEER\*Stat Database: U.S. Cancer Statistics American Indian and Alaska Native Incidence Analytic Database - 1999 - 2020 United States Department of Health and Human Services - Centers for Disease Control and Prevention. Released June 2023 - based on the 2022 submission.  |
| PRCDA indicates Purchased/Referred Care Delivery Areas; IHS: Indian Health Service; NH-AI/AN: non-Hispanic American Indian/Alaska Natives; NHW: non-Hispanic white  |
| a Renal cell carcinomas were identified using the primary site code C64.9 and histologic codes 8310-8319 |
| b AI/AN race is reported by NPCR and SEER registries or through linkage with the IHS patient registration database. The updated bridged intercensal population estimates significantly overestimate AI/AN populations of Hispanic origin. All analyses are limited to non-Hispanic AI/AN populations. Non-Hispanic White was chosen as the reference population. The term “non-Hispanic” is omitted when discussing both groups. Hispanic origin data for ND and WI were suppressed. |
| cRates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups-Census P25-1130) standard; Confidence Intervals (Tiwari model) are 95% for rates and ratios  |
| d Rate ratios (RR) are AI/AN versus white and are calculated in SEER\*Stat prior to rounding of rates and may not equal RR calculated from rates presented in table. |
| e The rate ratio indicates that the rate is significantly different that the rate for NHW (P<0.05) |
| IHS Regions are defined as follows: Northern Plains (IL, IN\*, IA\*, MA\*, MN\*, MT\*, NE\*, ND\*, SD\*, WI\*, WY\*); Alaska (AK\*); Southern Plains (OK\*, KS\*, TX\*); Pacific Coast (CA\*, ID\*, OR\*, WA\*, HI); East (AL\*, AR, CT\*, DE, FL\*, GA, KY, LA\*, ME\*, MD, MA\*, MS\*, MO, NH, NJ, NY\*, NC\*, OH, PA\*, RI\*, SC\*, TN, VT, VA, WV, DC, IL, IN\*, IA\*, MI\*); Southwest (AZ\*, CO\*, NV\*, NM\*, UT\*); \* identifies states with at least one county designated as PRCDA. |
| Percent regional coverage of AI/AN in PRCDA counties to AI/AN in all counties: Northern Plains=54.2%; Alaska=100%; Southern Plains=55.7%; Pacific Coast=61.4%; East=17.9%; Southwest=86.3%; US=53.8%. |