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| **Supplemental Table 1. Renal cell carcinoma (RCC) specific survival among RCC patients in California, 2006-2014** |
| **Variable** | **HR** | **95% CI** | **P-Value** |
| **Histology** |  |  |  |
| Clear Cell | Ref | **-** | **-** |
| Papillary  | 0.93 | (0.81, 1.07) | 0.293 |
| Chromophobe | 0.40 | (0.30, 0.53) | <0.001 |
| Collecting Duct | 1.83 | (1.29, 2.59) | 0.001 |
| Other non-clear cell | 0.85 | (0.71, 1.03) | 0.099 |
| **Gender** |  |  |  |
| Female  | 1.02 | (0.96, 1.08) | 0.586 |
| Male | Ref | **-** | **-** |
| **Race/Ethnicity** |  |  |  |
| Non-Hispanic White | Ref | **-** | **-** |
| African American  | 1.02 | (0.90, 1.16) | 0.730 |
| Hispanic | 0.92 | (0.86, 0.99) | 0.022 |
| Asian/Pacific Islander | 1.02 | (0.93, 1.13) | 0.660 |
| Other/Unknown | 0.76 | (0.56, 1.03) | 0.072 |
| **Age at Diagnosis** |  |  |  |
| < 40 | Ref | **-** | **-** |
| 40-69 | 1.29 | (1.07, 1.55) | 0.008 |
| ≥70 | 1.77 | (1.46, 2.15) | <0.001 |
| **Stage at Diagnosis** |  |  |  |
| Stage 1 | Ref | **-** | **-** |
| Stage 2  | 2.93 | (2.50, 3.45) | <0.001 |
| Stage 3 | 6.63 | (5.84, 7.52) | <0.001 |
| Stage 4 | 27.70 | (24.64, 31.15) | <0.001 |
| Stage Unknown | 5.88 | (4.99, 6.93) | <0.001 |
| **Neighborhood Socioeconomic Status (SES)** |  |  |
| Low SES  | 1.07 | (1.00, 1.14) | 0.039 |
| High SES | Ref | **-** | **-** |
| SES unknown | 0.93 | (0.80, 1.10) | 0.410 |
| **Health Insurance at Diagnosis** |  |  |  |
| Self-Pay/none  | 1.00 | (0.82, 1.23) | 0.974 |
| Private Insurance | Ref | **-** | **-** |
| Medicaid/Government | 1.03 | (0.93, 1.13) | 0.581 |
| Medicare | 0.97 | (0.91, 1.04) | 0.453 |
| Unknown Insurance | 1.47 | (1.24, 1.74) | <0.001 |
| **Year of Diagnosis** |  |  |  |
| 2006-2007 | Ref | **-** | **-** |
| 2008-2009 | 0.98 | (0.91, 1.06) | 0.659 |
| 2010-2011 | 0.95 | (0.88, 1.03) | 0.227 |
| 2012-2014 | 0.89 | (0.82, 0.97) | 0.011 |
| *Proportional hazard assumption was violated, therefore the CSS model was stratified by age (category) at diagnosis and first course of treatments- surgery and radiation* |