Supplemental Table 1

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| Characteristic | Hazard Ratio- Multivariate analysis | 95% Confidence Interval | P value |
| Treatment |  |  |  |
| Observation | 1 (reference) |  |  |
| Adjuvant radiation | 0.474 | 0.281-0.801 | 0.005 |
| Age |  |  |  |
| < 65 | 1 (reference) | |  |
| 65-74 | 1.061 | 0.662-1.702 | 0.805 |
| 75+ | 0.998 | 0.582-1.713 | 0.995 |
| Sex |  |  |  |
| Male | 1 (reference) |  |  |
| Female | 1.128 | 0.831-1.531 | 0.441 |
| Race |  |  |  |
| White | 1 (reference) |  |  |
| African American | 0.718 | 0.407-1.264 | 0.250 |
| Hispanic | 0.640 | 0.265-1.545 | 0.321 |
| Other | 3.158 | 1.245-8.008 | 0.015 |
| pT Stage |  |  |  |
| T3 | 1 (reference) | |  |
| T4 | 1.570 | 1.116-2.113 | 0.003 |
| pN Stage |  |  |  |
| N0 | 1 (reference) | |  |
| N1 | 1.213 | 0.798-1.844 | 0.367 |
| N2 | 1.186 | 0.857-1.642 | 0.304 |
| N3 | 1.828 | 1.022-3.271 | 0.042 |
| Charlson Deyo Score |  |  |  |
| 0 | 1 (reference) |  |  |
| 1 | 1.220 | 0.873-1.706 | 0.243 |
| 2 | 1.300 | 0.698-2.423 | 0.408 |
| Facility Type |  |  |  |
| Academic | 1 (reference) | |  |
| Non academic | 1.303 | 0.974-1.743 | 0.075 |
| Not recorded | 1.888 | 0.239-14.927 | 0.547 |
| Insurance |  |  |  |
| Medicaid | 1 (reference) |  |  |
| Private | 0.954 | 0.535-1.700 | 0.872 |
| Medicare | 1.169 | 0.589-2.320 | 0.656 |
| Not insured | 2.203 | 0.917-5.293 | 0.077 |
| Other | 1.337 | 0.551-3.245 | 0.521 |
| Income |  |  |  |
| <$47999 | 1 (reference) | |  |
| $48000+ | 0.807 | 0.606-1.075 | 0.143 |
| Not recorded | 2.139 | 0.895-5.109 | 0.087 |