| Characteristic | Chemo, N = 1,7191 | No Chemo, N = 8,6071 | p-value2 |
| --- | --- | --- | --- |
| **Year** |  |  | 0.8 |
| 2010 | 3 (0.2%) | 23 (0.3%) |  |
| 2011 | 2 (0.1%) | 14 (0.2%) |  |
| 2012 | 5 (0.3%) | 23 (0.3%) |  |
| 2013 | 5 (0.3%) | 29 (0.3%) |  |
| 2014 | 6 (0.3%) | 49 (0.6%) |  |
| 2015 | 43 (2.5%) | 218 (2.5%) |  |
| 2016 | 772 (45%) | 3,995 (46%) |  |
| 2017 | 883 (51%) | 4,256 (49%) |  |
| **Age** |  |  | <0.001 |
| Below 50 | 63 (3.7%) | 167 (1.9%) |  |
| 50-60 | 446 (26%) | 1,270 (15%) |  |
| 60-70 | 719 (42%) | 2,957 (34%) |  |
| 70-80 | 467 (27%) | 3,317 (39%) |  |
| Above 80 | 24 (1.4%) | 896 (10%) |  |
| **Gender** |  |  | 0.12 |
| Male | 763 (44%) | 3,998 (46%) |  |
| Female | 956 (56%) | 4,609 (54%) |  |
| **Race** |  |  | 0.5 |
| White | 1,466 (85%) | 7,432 (86%) |  |
| Black | 166 (9.7%) | 742 (8.6%) |  |
| Other | 78 (4.5%) | 379 (4.4%) |  |
| Unknown | 9 (0.5%) | 54 (0.6%) |  |
| **Spanish Origin** |  |  | 0.8 |
| Hispanic | 55 (3.2%) | 272 (3.2%) |  |
| Non-Hispanic | 1,633 (95%) | 8,195 (95%) |  |
| Unkown | 31 (1.8%) | 140 (1.6%) |  |
| **Insurance Status** |  |  | <0.001 |
| Not Insured | 24 (1.4%) | 95 (1.1%) |  |
| Private | 580 (34%) | 2,016 (23%) |  |
| Medicaid | 136 (7.9%) | 459 (5.3%) |  |
| Medicare | 948 (55%) | 5,828 (68%) |  |
| Other Government | 17 (1.0%) | 122 (1.4%) |  |
| Unknown | 14 (0.8%) | 87 (1.0%) |  |
| **Median Income Quartiles** |  |  | 0.5 |
| < $30,000 | 187 (13%) | 865 (12%) |  |
| $30,000 - $34,999 | 255 (18%) | 1,322 (19%) |  |
| $35,000 - $45,999 | 398 (28%) | 1,965 (28%) |  |
| >=$46,000 | 564 (40%) | 2,976 (42%) |  |
| **No High School Degree** |  |  | 0.3 |
| >=29.0% | 243 (17%) | 1,109 (16%) |  |
| 20.0% - 28.9% | 327 (23%) | 1,621 (23%) |  |
| 14.0%-19.9% | 355 (25%) | 1,843 (26%) |  |
| < 14.0% | 479 (34%) | 2,555 (36%) |  |
| **Urban/Rural** |  |  | >0.9 |
| Metro | 1,361 (81%) | 6,802 (81%) |  |
| Urban | 279 (17%) | 1,398 (17%) |  |
| Rural | 34 (2.0%) | 181 (2.2%) |  |
| **Median Income Quartiles 2012** |  |  | 0.5 |
| < $38,000 | 235 (16%) | 1,197 (16%) |  |
| $38,000 - $47,999 | 346 (24%) | 1,750 (24%) |  |
| $48,000 - $62,999 | 405 (28%) | 1,937 (26%) |  |
| >=$63,000 | 456 (32%) | 2,453 (33%) |  |
| **No High School Degree 2012** |  |  | 0.7 |
| >=21.0% | 232 (16%) | 1,125 (15%) |  |
| 13.0% - 20.9% | 383 (27%) | 1,900 (26%) |  |
| 7.0%-12.9% | 483 (33%) | 2,552 (35%) |  |
| < 7.0% | 344 (24%) | 1,761 (24%) |  |
| **Urban/Rural 2013** |  |  | 0.5 |
| Metro | 1,398 (84%) | 7,002 (84%) |  |
| Urban | 249 (15%) | 1,211 (14%) |  |
| Rural | 27 (1.6%) | 168 (2.0%) |  |
| **Great Circle Distance** | 28 (90) | 33 (108) | 0.089 |
| **Charlson-Deyo Score** |  |  | <0.001 |
| 0 | 990 (58%) | 4,682 (54%) |  |
| 1 | 453 (26%) | 2,229 (26%) |  |
| 2 | 183 (11%) | 963 (11%) |  |
| 3 | 93 (5.4%) | 733 (8.5%) |  |
| **Tumor Size** |  |  | <0.001 |
| <=1cm | 22 (1.3%) | 122 (1.4%) |  |
| 1cm-2cm | 153 (8.9%) | 1,249 (15%) |  |
| 2cm-3cm | 166 (9.7%) | 1,133 (13%) |  |
| 3cm-4cm | 629 (37%) | 4,359 (51%) |  |
| 4cm-5cm | 749 (44%) | 1,744 (20%) |  |
| **GRADE** |  |  | <0.001 |
| Well differentiated | 151 (8.8%) | 1,075 (12%) |  |
| Moderately differentiated | 696 (40%) | 3,990 (46%) |  |
| Poorly differentiated | 676 (39%) | 2,637 (31%) |  |
| Undifferentiated | 36 (2.1%) | 89 (1.0%) |  |
| Unknown | 160 (9.3%) | 816 (9.5%) |  |
| **Pathology** |  |  | 0.083 |
| Squamous | 419 (24%) | 2,279 (26%) |  |
| Adenocarcinoma | 895 (52%) | 4,479 (52%) |  |
| Other | 405 (24%) | 1,849 (21%) |  |
| **Neuroendocrine** |  |  | <0.001 |
| Other | 1,651 (96%) | 8,439 (98%) |  |
| Neuroendocrine | 68 (4.0%) | 168 (2.0%) |  |
| **Visceral Pleural Invasion** |  |  | 0.010 |
| Other | 1,109 (65%) | 5,267 (61%) |  |
| Present | 610 (35%) | 3,340 (39%) |  |
| **Vascular Invasion** |  |  | <0.001 |
| Absent | 1,237 (72%) | 6,778 (79%) |  |
| Present | 380 (22%) | 1,339 (16%) |  |
| Unknown | 102 (5.9%) | 490 (5.7%) |  |
| **Margins** |  |  | <0.001 |
| Zero | 1,658 (96%) | 8,435 (98%) |  |
| Positive | 48 (2.8%) | 141 (1.6%) |  |
| Other | 13 (0.8%) | 31 (0.4%) |  |
| **Lymph nodes sampled** |  |  | 0.015 |
| <10 | 698 (41%) | 3,800 (44%) |  |
| >=10 | 963 (56%) | 4,483 (52%) |  |
| Unknown | 58 (3.4%) | 324 (3.8%) |  |
| **Excision/Resection of <1 lobe** |  |  | <0.001 |
| TRUE | 175 (10%) | 1,147 (13%) |  |
| FALSE | 1,544 (90%) | 7,460 (87%) |  |
| 1n (%); Mean (SD) | | | |
| 2Fisher's Exact Test for Count Data with simulated p-value  (based on 2000 replicates); Fisher's Exact Test for Count Data; Wilcoxon rank sum test | | | |