**Table S1**. Unadjusted percentages in receipt of recommended treatments for eligible women with triple negative breast cancer by major characteristics after excluding patients older than 84 years

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Variable | Category | Definitive Locoregional Therapy  | Adjuvant Chemotherapy | Small Tumors Adjuvant Chemotherapy  |
|  |  | Yes, n (%) | *P*-value | Yes, n (%) | *P*-value | Yes, n (%) | *P*-value |
| Overall |  | 31943 (81.6) |  | 28498 (82.5) |  | 1928 (44.4) |  |
| Race/ethnicity |  |  |  |  |  |  |  |
|  | NH white | 22166 (82.9) | < 0.0001 | 19041 (82) | 0.0006 | 1460 (43.7) | 0.28 |
|  | NH black | 6765 (78.9) |  | 6544 (83.7) |  | 334 (46.6) |  |
|  | Hispanic | 1862 (76.8) |  | 1904 (84.1) |  | 78 (49.1) |  |
|  | Other | 1150 (82.7) |  | 1009 (81.0) |  | 56 (41.8) |  |
| Diagnosis age |  |  |  |  |  |  |  |
|  | 18-39 | 2908 (82.5) | < 0.0001 | 3167 (93.3) | < 0.0001 | 103 (73.6) | < 0.0001 |
|  | 40-49 | 6558 (83.2) |  | 6705 (91.3) |  | 341 (65.2) |  |
|  | 50-64 | 13604 (83.8) |  | 12569 (88.6) |  | 1020 (52) |  |
|  | 65-74 | 6119 (80.0) |  | 4805 (75.2) |  | 400 (33.8) |  |
|  | 75-84 | 2754 (71.6) |  | 1252 (38.7) |  | 64 (11.8) |  |
| Diagnosis year |  |  |  |  |  |  |  |
|  | 2010 | 7704 (82.0) | < 0.0001 | 6873 (82.1) | 0.16 | 401 (40.7) | 0.011 |
|  | 2011 | 8678 (82.9) |  | 7657 (83.3) |  | 519 (43.1) |  |
|  | 2012 | 8109 (82.3) |  | 7170 (82.3) |  | 501 (47.0) |  |
|  | 2013 | 7452 (79.1) |  | 6798 (82.3) |  | 507 (46.4) |  |
| Stage |  |  |  |  |  |  |  |
|  | I | 15011 (89) | < 0.0001 | 9448 (77.9) | p < 0.0001 | - | - |
|  | II | 13411 (77.8) |  | 14587 (84.3) |  | - |  |
|  | III | 3521 (69.7) |  | 4463 (87.4) |  | - |  |
| Grade |  |  |  |  |  |  |  |
|  | 1 | 690 (83.9) | 0.012 | 267 (49.3) | < 0.0001 | 52 (21.4) | < 0.0001 |
|  | 2 | 5387 (82.6) |  | 3701 (74.1) |  | 483 (34.0) |  |
|  | 3 | 25866 (81.3) |  | 24530 (84.6) |  | 1393 (51.9) |  |
| Tumor size |  |  |  |  |  |  |  |
|  | ≤2 cm | 15875 (85.8) | < 0.0001 | 10803 (78.3) | p < 0.0001 | - | - |
|  | >2 cm to 5 cm | 13661 (81.4) |  | 14306 (84.9) |  | - |  |
|  | >5 cm | 2407 (62.7) |  | 3389 (86.9) |  | - |  |
| Tumor size, small tumors |  |  |  |  |  |  |  |
|  | ≤0.5 cm | - | - | - | - | 407 (25.1) |  < 0.0001 |
|  | >0.5 cm to <1 cm | - |  | - |  | 1521 (55.8) |  |
|  |  |  |  |  |  |  |  |
| Node status |  |  |  |  |  |  |  |
|  | Positive | 7652 (64.8) | < 0.0001 | 10347 (88.1) | < 0.0001 | - | - |
|  | Negative | 23727 (89.6) |  | 17720 (80.3) |  | - |  |
|  | Not assessed | 564 (66.2) |  | 431 (59.0) |  | - |  |
| Comorbidity score |  |  |  |  |  |  |  |
|  | 0 | 26073 (82.1) | < 0.0001 | 23644 (84.2) | < 0.0001 | 1628 (46.5) | < 0.0001 |
|  | 1 | 4635 (80.8) |  | 3897 (77.8) |  | 256 (37.9) |  |
|  | ≥2 | 1235 (75.2) |  | 957 (65.5) |  | 44 (25.9) |  |
| Region |  |  |  |  |  |  |  |
|  | New England | 1625 (86.3) | < 0.0001 | 1353 (84.9) | < 0.0001 | 111 (42.7) | 0.057 |
|  | Middle Atlantic | 4516 (81.5) |  | 3936 (81.4) |  | 301 (44.8) |  |
|  | South Atlantic | 8306 (82.0) |  | 7601 (84.1) |  | 471 (45.8) |  |
|  | East North Central | 5700 (83.8) |  | 5083 (85.5) |  | 369 (46.6) |  |
|  | East South Central | 2258 (80) |  | 2097 (83.2) |  | 139 (47.3) |  |
|  | West North Central | 2314 (85.3) |  | 1979 (84.7) |  | 154 (44.0) |  |
|  | West South Central | 2566 (74.9) |  | 2480 (80.2) |  | 136 (41.3) |  |
|  | Mountain | 1349 (83.3) |  | 1164 (82.0) |  | 86 (46.2) |  |
|  | Pacific | 3309 (78.7) |  | 2805 (74.7) |  | 161 (36.9) |  |
| Facility type |  |  |  |  |  |  |  |
|  | Community cancer program | 3393 (79.7) | < 0.0001 | 2942 (78.3) | < 0.0001 | 190 (40.1) | 0.08 |
|  | Comprehensive community cancer center | 15666 (82.1) |  | 13718 (81.8) |  | 950 (43.7) |  |
|  | NCI/teaching/research center | 10197 (80.9) |  | 9478 (84.8) |  | 628 (46.7) |  |
|  | Other programs | 2687 (83.8) |  | 2360 (83.4) |  | 160 (45.2) |  |
| Case volume |  |  |  |  |  |  |  |
|  | Low | 2152 (78.1) | < 0.0001 | 1860 (76.7) | < 0.0001 | 118 (38.9) | 0.016 |
|  | Medium | 7564 (80.8) |  | 6495 (79.0) |  | 450 (42.0) |  |
|  | High | 22227 (82.3) |  | 20143 (84.3) |  | 1360 (45.7) |  |
| Insurance |  |  |  |  |  |  |  |
|  | Uninsured | 976 (78.0) | < 0.0001 | 1045 (88.8) | < 0.0001 | 42 (59.2) | < 0.0001 |
|  | Medicaid | 2966 (76.9) |  | 3171 (86.8) |  | 111 (53.6) |  |
|  | Medicare | 8663 (77.2) |  | 6239 (65.6) |  | 432 (27.4) |  |
|  | Private | 19338 (84.8) |  | 18043 (89.3) |  | 1343 (53.9) |  |
| Median income |  |  |  |  |  |  |  |
|  | <30,000 | 4177 (77.5) | < 0.0001 | 3948 (80.8) | 0.0003 | 189 (40.9) | 0.37 |
|  | 30,000-34,999 | 5361 (80.7) |  | 4847 (81.8) |  | 291 (43.6) |  |
|  | 35,000-45,999 | 8789 (81.5) |  | 7914 (82.6) |  | 508 (44.5) |  |
|  | 46,000+ | 13616 (83.4) |  | 11789 (83.4) |  | 940 (45.3) |  |
| Radiation treatment |  |  |  |  |  |  |  |
|  | No | 5519 (73.4) | < 0.0001 | 10219 (74.3) | < 0.0001 | 655 (41.3) | 0.002 |
|  | Yes | 26424 (83.5) |  | 18279 (87.9) |  | 1273 (46.1) |  |
| Chemotherapy |  |  |  |  |  |  |  |
|  | No  | 8953 (57.7) | < 0.0001 | - | - | - | - |
|  | Yes | 22990 (97.3) |  | - |  | - |  |
| Surgery |  |  |  |  |  |  |  |
|  | BCS | 17126 (84.3) | < 0.0001 | 13906 (81.3) | p< 0.0001 | 1324 (44.1) | 0.56 |
|  | Mastectomy | 14817 (78.7) |  | 14592 (83.7) |  | 604 (45) |  |

Abbreviations: BCS, breast conserving surgery; n, number received treatment; NH, non-Hispanic