Supplementary Table A

Baseline characteristics of metastatic CRC patients with liver metastases according to the treatment modality after propensity score matching.

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| --- | --- | --- | --- | --- |
| **Characteristics** | **All cases (N=1,682)** | **Surgery only (N=841) (50%)** | **Surgery and chemotherapy (N=841) (50%)** | **P value and test** |
| **Mean age in years** | 54.74 ± 18.64 | 70.28 ± 12.92 | 39.21 ± 6.68 | <0.001 T-test |
| **Sex** |  |  |  | 0.071; Chi-square |
| Female | 847 (50.4%) | 442 (52.6%) | 405 (48.2%) |  |
| Male | 835 (49.6%) | 399 (47.4%) | 436 (51.8%) |  |
| **Race** |  |  |  | 0.108; Chi-square |
| White | 1,353 (80.4%) | 672 (79.9%) | 681 (81.0%) |  |
| African American | 224 (13.3%) | 124 (14.7%) | 100 (11.9%) |  |
| Others | 93 (5.5%) | 38 (4.5%) | 55 (6.5%) |  |
| Unknown | 12 (0.7%) | 7 (0.8%) | 5 (0.6%) |  |
| **Facility type** |  |  |  | <0.001; Chi-square |
| Community cancer program | 109 (6.5%) | 87 (10.3%) | 22 (2.6%) |  |
| Comprehensive Community Cancer Program | 470 (27.9%) | 361 (42.9%) | 109 (13.0%) |  |
| Academic/Research Program | 486 (28.9%) | 244 (29.0%) | 242 (29.0%) |  |
| Integrated Network Cancer Program | 195 (11.6%) | 134 (15.9%) | 61 (7.3%) |  |
| Unknown | 422 (25.1%) | 15 (1.8%) | 4.7 (48.4%) |  |
| **Median household income 2012-2016** |  |  |  | <0.001; Chi-square |
| Less than $40,227 | 292 (17.4%) | 186 (22.1%) | 106 (12.6%) |  |
| $40,227 - $50,353 | 387 (23.0%) | 199 (23.7%) | 188 (22.4%) |  |
| $50,354- $63,332 | 356 (21.2%) | 193 (22.9%) | 163 (19.4%) |  |
| $63,333+ | 628 (37.3%) | 254 (30.2%) | 374 (44.5%) |  |
| Unknown | 19 (1.1%) | 9 (1.1%) | 10 (1.2%) |  |
| **Education level 2012-2016 (percentage of not graduated from high school)** |  |  |  | <0.001; Chi-square |
| 17.6% or more | 355 (21.1%) | 217 (25.8%) | 138 (16.4%) |  |
| 10.9% - 17.5% | 440 (26.2%) | 246 (29.3%) | 194 (23.1%) |  |
| 6.3%-10.8% | 445 (26.5%) | 202 (24.0%) | 243 (28.9%) |  |
| Less than 6.3% | 427 (25.4%) | 171 (20.3%) | 256 (30.4%) |  |
| Unknown | 15 (0.9%) | 5 (0.6%) | 10 (1.2%) |  |
| **Insurance status** |  |  |  | 0.660; Chi-square |
| No | 67 (4.0%) | 34 (4.0%) | 33 (3.9%) |  |
| Yes | 1,595 (94.8%) | 795 (94.5%) | 800 (95.1%) |  |
| Unknown | 20 (1.2%) | 12 (1.4%) | 8 (1.0%) |  |
| **Area** |  |  |  | 0.466; Chi-square |
| Metro counties | 1,391 (82.7%) | 697 (82.9%) | 694 (82.5%) |  |
| Rural counties | 29 (1.7%) | 17 (2.0%) | 12 (1.4%) |  |
| Urban counties | 224 (13.3%) | 112 (13.3%) | 112 (13.3%) |  |
| Unknown | 38 (2.3%) | 15 (1.8%) | 23 (2.7%) |  |
| **Clinical T stage** |  |  |  | <0.001; Chi-square |
| T0 | 5 (0.3%) | 1 (0.1%) | 4 (0.5%) |  |
| T1 | 68 (4.0%) | 36 (4.3%) | 32 (3.8%) |  |
| T2 | 48 (2.9%) | 17 (2.0%) | 31 (3.7%) |  |
| T3 | 469 (27.9%) | 135 (16.1%) | 334 (39.7%) |  |
| T4 | 140 (8.3%) | 115 (13.7%) | 25 (3.0%) |  |
| Tis | 15 (0.9%) | 0 (0.0%) | 15 (1.8%) |  |
| Unknown | 937 (55.7%) | 537 (63.9%) | 400 (47.6%) |  |
| **Clinical N stage** |  |  |  | <0.001; Chi-square |
| N0 | 642 (38.2%) | 329 (39.1%) | 313 (37.2%) |  |
| N1 | 478 (28.4%) | 166 (19.7%) | 312 (37.1%) |  |
| N2 | 173 (10.3%) | 98 (11.7%) | 75 (8.9%) |  |
| Unknown | 389 (23.1%) | 248 (29.5%) | 141 (16.8%) |  |
| **Charlson-Deyo score** |  |  |  | <0.001; Chi-square |
| 0 | 1,325 (78.8%) | 523 (62.2%) | 802 (95.4%) |  |
| 1 | 255 (15.2%) | 220 (26.2%) | 35 (4.2%) |  |
| 2 | 72 (4.3%) | 71 (8.4%) | 1 (0.1%) |  |
| 3 | 30 (1.8%) | 27 (3.2%) | 3 (0.4%) |  |