Supplemental Figure 1.



**Supplemental Table 1.** Demographics and clinical characteristics for top 10th percentile of BPCV

Low volume High volume P-value

Total patient # (%) 1,463 (89.5) 172 (10.5) -------

Age

Mean (yr) (range) 78 (24-90) 75 (42-90) -------

Sex

 Male 1,067 (72.9) 135 (78.5) 0.690

 Female 396 (27.1) 37 (21.5)

Race 0.001

 White 1,324 (90.5) 153 (89.0)

 Black 99 (6.8) 7 (4.1)

 Other 28 (1.9) 5 (2.9)

 Unknown 12 (0.8) 7 (4.1)

Clinical T stage 0.242

 T2 1,191 (81.4) 148 (86.0)

 T3 161 (11.0) 12 (7.0)

 T4a 111 (7.6) 12 (7.0)

Charlson Deyo Comorbidity:

 0 965 (66.0) 116 (67.4) 0.905

 1 354 (24.2) 39 (22.7)

 >1 144 (9.8) 17 (9.9)

Year of Diagnosis 0.375

 2004-2008 653 (44.6) 74 (43.0)

 2009-2013 810 (55.4) 98 (57.0)

Facility location 0.001

 Central 589 (40.3) 49 (28.5)

 Northeast 355 (24.3) 35 (20.3)

South/Southeast 286 (19.5) 53 (30.8)

 West 233 (15.9) 35 (20.3)

Setting 0.273

 Metropolitan 1,123 (76.8) 141 (82.0)

Urban 244 (16.7) 24 (14.0)

 Rural 19 (1.3) 0 (0.0)

 Unknown 77 (5.3) 7 (4.1)

Facility Type 0.016

 Academic/Research Program 357 (24.4) 57 (33.1)

 Non-academic 1,106 (75.6) 115 (66.9)

Insurance Status 0.577

 Medicaid 43 (2.9) 2 (1.2)

 Medicare 1,103 (75.4) 128 (74.4)

 Not insured 26 (1.8) 3 (1.7)

 Other government 24 (1.6) 2 (1.2)

 Private 267 (18.3) 37 (21.5)

Household Income 0.014

 < $30,000 169 (11.6) 14 (8.1)

 $30,000-34-999 290 (19.8) 18 (10.5)

 $35,000-46,000 399 (27.3) 53 (30.8)

 >$46,000 544 (37.2) 78 (45.3)

 Unknown 61 (4.2) 9 (5.2)

Education Level 0.049

 $\geq $29% 193 (13.2) 11 (6.4)

 20-28.9% 341 (23.3) 37 (21.5)

 14-19.9% 379 (25.9) 43 (25.0)

 <14% 489 (33.4) 72 (41.9)

 Unknown 61 (4.2) 9 (5.2)

Chemotherapy 0.065

 Single agent 802 (54.8) 110 (64.0)

 Double agent 551 (37.7) 50 (29.1)

 Agent # unknown 110 (7.5) 12 (7.0)

Radiation Dose 0.431

 Median dose (cGy) (range) 6480 (5040-7480) 6480 (5040-7040)

 Median # fractions 36 (20-44) 36 (20-41)

High volume = 10 or more cases per 10-year period

Low volume = 9 or fewer cases per 10-year period