

Characteristics	Pre-PSM				Post-PSM			
	SCCB n(%)	TCC n(%)	Overalln(%)	P value	SCCB n(%)	TCC n(%)	Overall n(%)	P value
	(N=434)	(N=16093)	(N=16527)		(N=433)	(N=1719)	(N=2152)	
Age,years				0.6735				0.9987
<50	12 (2.8%)	564 (3.5%)	576 (3.5%)		12 (2.8%)	50 (2.9%)	62 (2.9%)	
50-59	49 (11.3%)	2136 (13.3%)	2185 (13.2%)		49 (11.3%)	195 (11.3%)	244 (11.3%)	
60-69	123 (28.3%)	4355 (27.1%)	4478 (27.1%)		123 (28.4%)	497 (28.9%)	620 (28.8%)	
70-79	131 (30.2%)	4762 (29.6%)	4893 (29.6%)		130 (30.0%)	505 (29.4%)	635 (29.5%)	
≥80	119 (27.4%)	4276 (26.6%)	4395 (26.6%)		119 (27.5%)	472 (27.5%)	591 (27.5%)	
Sex				0.4942				0.9739
Female	107 (24.7%)	4222 (26.2%)	4329 (26.2%)		107 (24.7%)	421 (24.5%)	528 (24.5%)	
Male	327 (75.3%)	11871 (73.8%)	12198 (73.8%)		326 (75.3%)	1298 (75.5%)	1624 (75.5%)	
Race				0.7418				0.3186
Black	26 (6.0%)	1084 (6.7%)	1110 (6.7%)		26 (6.0%)	78 (4.5%)	104 (4.8%)	
White	386 (88.9%)	14116 (87.7%)	14502 (87.7%)		385 (88.9%)	1568 (91.2%)	1953 (90.8%)	
Other	22 (5.1%)	893 (5.5%)	915 (5.5%)		22 (5.1%)	73 (4.2%)	95 (4.4%)	
Marital status				0.4606				0.8474
Yes	259 (59.7%)	9904 (61.5%)	10163 (61.5%)		259 (59.8%)	1017 (59.2%)	1276 (59.3%)	
No	175 (40.3%)	6189 (38.5%)	6364 (38.5%)		174 (40.2%)	702 (40.8%)	876 (40.7%)	
Stage				< 0.001				0.3109
I	44 (10.1%)	5863 (36.4%)	5907 (35.7%)		44 (10.2%)	125 (7.2%)	169 (7.9%)	
II	173 (39.9%)	4659 (29.0%)	4832 (29.2%)		173 (40.0%)	749 (43.6%)	922 (42.8%)	
III	65 (15.0%)	2392 (14.9%)	2457 (14.9%)		65 (15.0%)	285 (16.6%)	350 (16.3%)	
IV	152 (35.0%)	3179 (19.8%)	3331 (20.2%)		151 (34.9%)	560 (32.6%)	711 (33.0%)	
T				< 0.001				0.4532
T1	65 (15.0%)	6039 (37.5%)	6104 (36.9)		64 (14.8%)	191 (11.1%)	255 (11.8%)	

T2	232 (53.5%)	5611 (34.9%)	5843 (35.4%)		232 (53.6%)	974 (56.7%)	1206 (56.0%)	
T3	87 (20.0%)	2927 (18.2%)	3014 (18.2%)		87 (20.1%)	355 (20.7%)	442 (20.5%)	
T4	50 (11.5%)	1516 (9.4%)	1566 (9.5%)		50 (11.5%)	199 (11.6%)	249 (11.6%)	
N				< 0.001				0.7584
N0	341 (78.6%)	13656 (84.9%)	13997 (84.7%)		340 (78.5%)	1376 (80.0%)	1716 (79.7%)	
N1	30 (6.9%)	1184 (7.4%)	1214 (7.3%)		30 (6.9%)	115 (6.7%)	145 (6.7%)	
N2	63 (14.5%)	1198 (7.4%)	1261 (7.6%)		63 (14.5%)	228 (13.3%)	291 (13.5%)	
N3	0 (0%)	55 (0.3%)	55 (0.3%)		0 (0%)	0 (0%)	0 (0%)	
M				< 0.001				0.5246
M0	354 (81.6%)	14962 (93.0%)	15316 (92.7%)		354 (81.8%)	1430 (83.2%)	1784 (82.9%)	
M1	80 (18.4%)	1131 (7.0%)	1211 (7.3%)		79 (18.2%)	289 (16.8%)	368 (17.1%)	
Surgery				0.4337				0.4787
No	11 (2.5%)	382 (2.4%)	393 (2.4%)		11 (2.5%)	42 (2.4%)	53 (2.5%)	
Cystectomy	135 (31.1%)	5623 (34.9%)	5758 (34.8%)		135 (31.2%)	605 (35.2%)	740 (34.4%)	
TURB	229 (52.8%)	8017 (49.8%)	8246 (49.9%)		229 (52.9%)	857 (49.9%)	1086 (50.5%)	
Other	59 (13.6%)	2071 (12.9%)	2130 (12.9%)		58 (13.4%)	215 (12.5%)	273 (12.7%)	
Radiation				< 0.001				0.3118
Yes	136 (31.3%)	1802 (11.2%)	1938 (11.7%)		135 (31.2%)	491 (28.6%)	626 (29.1%)	
None/Unknown	298 (68.7%)	14291 (88.8%)	14589 (88.3%)		298 (68.8%)	1228 (71.4%)	1526 (70.9%)	
Chemotherapy				< 0.001				0.9921
Yes	304 (70.0%)	5903 (36.7%)	6207 (37.6%)		303 (70.0%)	1200 (69.8%)	1503 (69.8%)	
No/Unknown	130 (30.0%)	10190 (63.3%)	10320 (62.4%)		130 (30.0%)	519 (30.2%)	649 (30.2%)	
Tumor size,mm				< 0.001				0.7183
≤30	143 (32.9%)	6929 (43.1%)	7072 (42.8%)		143 (33.0%)	562 (32.7%)	705 (32.8%)	
31-51	172 (39.6%)	5675 (35.3%)	5847 (35.4%)		172 (39.7%)	656 (38.2%)	828 (38.5%)	
≥52	119 (27.4%)	3489 (21.7%)	3608 (21.8%)		118 (27.3%)	501 (29.1%)	619 (28.8%)	