

Supplemental Table2: Analysis of CCSD and Non-CCSD after propensity score matching

Risk Factors	CCSD				Non-CCSD			
	univariate analyses		multivariate analyses		univariate analyses		multivariate analyses	
	SHR (95%CI)	<i>P</i>	SHR (95%CI)	<i>P</i>	SHR (95%CI)	<i>P</i>	SHR (95%CI)	<i>P</i>
Age								
≤60	1	-	1	-	1	-	1	-
>60	1.54(1.46-1.62)	0.000	1.39(1.31-1.47)	0.000	4.19(3.92-4.48)	0.00	4.14(3.87-4.44)	0.000
Gender								
Female	1	-	1	-	1	-	1	-
Male	1.11(1.06-1.17)	0.000	1.18(1.11-1.24)	0.000	1.15(1.09-1.22)	0.000	1.34(1.27-1.42)	0.000
Marital status								
Married	1	-	1	-	1	-	1	-
Unmarried	1.29(1.20-1.40)	0.000	1.35(1.25-1.46)	0.000	0.89(0.82-0.98)	0.016	1.14(1.04-1.25)	0.005
Divorced	1.38(1.30-1.47)	0.000	1.29(1.21-1.38)	0.000	1.50(1.42-1.60)	0.000	1.34(1.25-1.42)	0.000
Race								
White	1	-	1	-	1	-	1	-
Black	1.28(1.18-1.39)	0.000	1.36(1.25-1.48)	0.000	0.84(0.76-0.93)	0.001	0.95(0.86-1.06)	0.365
Other	0.77(0.69-0.85)	0.000	0.84(0.75-0.93)	0.001	0.69(0.62-0.77)	0.000	0.76(0.68-0.84)	0.000
Location ^a								
Left colon	1	-	1	-	1	-	1	-
Right colon	0.78(0.74-0.82)	0.000	0.80(0.76-0.85)	0.000	1.12(1.06-1.18)	0.000	1.12(1.06-1.19)	0.000
Histology								
Adenocarcinoma	1	-	1	-	1	-	1	-
Mucinous adenocarcinoma	0.97(0.89-1.05)	0.415	1.00(0.92-1.09)	0.987	1.00(0.92-1.08)	0.953	0.96(0.88-1.04)	0.308
Signet ring cell carcinoma	0.79(0.47-1.32)	0.363	0.94(0.55-1.59)	0.803	1.62(1.10-2.73)	0.014	1.43(0.99-2.07)	0.058
Differential grade								
Grade I	1	-	1	-	1	-	1	-
Grade II	0.97(0.88-1.07)	0.514	1.01(0.91-1.12)	0.860	0.98(0.88-1.08)	0.640	1.02(0.92-1.13)	0.667
Grade III	1.03(0.92-1.15)	0.654	1.14(1.02-1.29)	0.026	1.06(0.94-1.19)	0.345	1.02(0.91-1.25)	0.758
T-classification ^b								
T3	1	-	1	-	1	-	1	-
T4	2.21(2.09-2.33)	0.000	2.14(2.03-2.27)	0.000	1.01(0.95-1.08)	0.732	0.86(0.81-0.92)	0.000
nLN								
0	1	-	1	-	1	-	1	-
0-3	0.57(0.48-0.67)	0.000	0.66(0.56-0.78)	0.000	1.26(1.02-1.56)	0.033	1.25(1.00-1.55)	0.045
3-6	0.52(0.45-0.60)	0.000	0.61(0.53-0.71)	0.000	1.20(1.00-1.45)	0.053	1.24(1.03-1.50)	0.026
6-12	0.40(0.35-0.45)	0.000	0.48(0.42-0.54)	0.000	1.15(0.96-1.37)	0.122	1.22(1.02-1.47)	0.030

≥12	0.26(0.23-0.29)	0.000	0.32(0.28-0.36)	0.000	0.89(0.75-1.06)	0.185	1.05(0.88-1.26)	0.572
Chemotherapy								
Non-chemotherapy	1	-	1	-	1	-	1	-
Chemotherapy	1.13(1.07-1.19)	0.000	1.16(1.10-1.22)	0.000	0.62(0.59-0.66)	0.000	0.60(0.57-0.63)	0.000

CCSD=colon cancer specific death; nLN=number of lymphnodes;

^a Left colon includes rectosigmoid junction, sigmoid colon, descending colon and splenic flexure.

Right colon includes transverse colon, hepatic flexure, ascending colon, cecum, and appendix.

^b T classification according to 7th AJCC staging system.