Table S1 Baseline characteristics of multiple myeloma survivors between different genders after propensity score matching

Characteristic	Female (n=11,806)	Male (n=11,806)	P value
Age at diagnosis (years), mean ± standard deviation	64.79±11.04	64.64±10.91	0.287
Year, n (%)			0.044
2000–2003	1,965 (16.64)	1,857 (15.73)	
2004–2007	2,486 (21.06)	2,644 (22.4)	
2008–2011	3,322 (28.14)	3,302 (27.97)	
2012–2015	4,033 (34.16)	4,003 (33.91)	
Marital status, n (%)			>0.99
Unmarried	4,047 (34.28)	4,047 (34.28)	
Married	7,759 (65.72)	7,759 (65.72)	
Race, n (%)			0.304
Non-white	2,867 (24.28)	2,935 (24.86)	
White	8,939 (75.72)	8,871 (75.14)	
Income, n (%)			0.835
<$75,000	7,963 (67.45)	7,978 (67.58)	
≥$75,000	3,843 (32.55)	3,828 (32.42)	
Chemotherapy, n (%)			0.459
No	4,057 (34.36)	4,003 (33.91)	
Yes	7,749 (65.64)	7,803 (66.09)	
Radiotherapy, n (%)			0.356
No	9,847 (83.41)	9,794 (82.96)	
Yes	1,959 (16.59)	2,012 (17.04)	

Table S2 Baseline characteristics of multiple myeloma survivors between different races after propensity score matching

Characteristic	Non-white (n=7,688)	White (n=7,688)	P value
Age at diagnosis (years), mean ± standard deviation	63.99±11.19	63.84±10.73	0.418
Gender, n (%)			0.617
Female	3,915 (50.92)	3,884 (50.52)	
Male	3,773 (49.08)	3,804 (49.48)	
Year, n (%)			0.526
2000–2003	1,208 (15.71)	1,251 (16.27)	
2004–2007	1,613 (20.98)	1,637 (21.29)	
2008–2011	2,136 (27.78)	2,151 (27.98)	
2012–2015	2,731 (35.52)	2,649 (34.46)	
Marital status, n (%)			0.235
Unmarried	3,285 (42.73)	3,358 (43.68)	
Married	4,403 (57.27)	4,330 (56.32)	
Income, n (%)			0.518
<$75,000	5,335 (69.39)	5,298 (68.91)	
≥$75,000	2,353 (30.61)	2,390 (31.09)	
Chemotherapy, n (%)			0.906
No	2,713 (35.29)	2,720 (35.38)	
Yes	4,975 (64.71)	4,968 (64.62)	
Radiotherapy, n (%)			0.161
No	6,428 (83.61)	6,363 (82.77)	
Yes	1,260 (16.39)	1,325 (17.23)	

Table S3 Baseline characteristics of multiple myeloma survivors between different marital status after propensity score matching

Characteristic	Unmarried status (n=9,382)	Married status (n=9,382)	P value
Age at diagnosis (years), mean ± standard deviation	65.25±11.55	65.05±10.68	0.212
Gender, n (%)			0.682
Female	5,049 (53.82)	5,077 (54.11)	
Male	4,333 (46.18)	4,305 (45.89)	
Year, n (%)			0.131
2000–2003	1,493 (15.91)	1,613 (17.19)	
2004–2007	2,043 (21.78)	2,012 (21.45)	
2008–2011	2,638 (28.12)	2,584 (27.54)	
2012–2015	3,208 (34.19)	3,173 (33.82)	
Race, n (%)			0.241
Non-white	2,579 (27.49)	2,651 (28.26)	
White	6,803 (72.51)	6,731 (71.74)	
Income, n (%)			0.435
<$75,000	6,380 (68.00)	6,330 (67.47)	
≥$75,000	3,002 (32.00)	3,052 (32.53)	
Chemotherapy, n (%)			0.783
No	3,253 (34.67)	3,271 (34.86)	
Yes	6,129 (65.33)	6,111 (65.14)	
Radiotherapy, n (%)			0.099
No	7,781 (82.94)	7,695 (82.02)	
Yes	1,601 (17.06)	1,687 (17.98)	

Table S4 Baseline characteristics of multiple myeloma survivors between different income after propensity score matching

Characteristic	Income <$75,000 (n=10,463)	Income ≥$75,000 (n=10,463)	P value
Age at diagnosis (years), mean ± standard deviation	65.06±10.95	65.08±11.19	0.900
Gender, n (%)			0.470
Female	4,752 (45.42)	4,700 (44.92)	
Male	5,711 (54.58)	5,763 (55.08)	
Year, n (%)			0.940
2000–2003	1,957 (18.7)	1,963 (18.76)	
2004–2007	2,482 (23.72)	2,463 (23.54)	
2008–2011	2,887 (27.59)	2,863 (27.36)	
2012–2015	3,137 (29.98)	3,174 (30.34)	
Marital status, n (%)			0.906
Unmarried	3,357 (32.08)	3,349 (32.01)	
Married	7,106 (67.92)	7,114 (67.99)	
Race, n (%)			0.658
Non-white	2,424 (23.17)	2,397 (22.91)	
White	8,039 (76.83)	8,066 (77.09)	
Chemotherapy, n (%)			0.862
No	3,666 (35.04)	3,678 (35.15)	
Yes	6,797 (64.96)	6,785 (64.85)	
Radiotherapy, n (%)			>0.99
No	8,625 (82.43)	8,625 (82.43)	
Yes	1,838 (17.57)	1,838 (17.57)	

Table S5 Baseline characteristics of multiple myeloma survivors with and without chemotherapy after propensity score matching

Characteristic	No/unknown chemotherapy (n=9,993)	Chemotherapy (n=9,993)	P value
Age at diagnosis (years), mean ± standard deviation	66.70±10.76	66.59±10.46	0.488
Gender, n (%)			0.650
Female	4,571 (45.74)	4,603 (46.06)	
Male	5,422 (54.26)	5,390 (53.94)	
Year, n (%)			0.082
2000–2003	1,764 (17.65)	1,755 (17.56)	
2004–2007	2,211 (22.13)	2,296 (22.98)	
2008–2011	2,698 (27.00)	2,780 (27.82)	
2012–2015	3,320 (33.22)	3,162 (31.64)	
Marital status, n (%)			0.272
Unmarried	3,462 (34.64)	3,536 (35.38)	
Married	6,531 (65.36)	6,457 (64.62)	
Race, n (%)			>0.99
Non-white	2,541 (25.43)	2,643 (26.45)	
White	7,452 (74.57)	7,350 (73.55)	
Income, n (%)			
<$75,000	6,674 (66.79)	6,659 (66.64)	0.822
≥$75,000	3,319 (33.21)	3,334 (33.36)	
Radiotherapy, n (%)			
No	8,817 (88.23)	8,796 (88.02)	0.646
Yes	1,176 (11.77)	1,197 (11.98)	

Table S6 Baseline characteristics of multiple myeloma survivors with and without different radiotherapy after propensity score matching

Characteristic	No/unknown radiotherapy (n=5,647)	Radiotherapy (n=5,647)	P value
Age at diagnosis (years), mean ± standard deviation	63.13±10.92	62.78±10.49	0.087
Gender, n (%)			0.716
Female	2,320 (41.08)	2,301 (40.75)	
Male	3,327 (58.92)	3,346 (59.25)	
Year, n (%)			0.210
2000–2003	1,116 (19.76)	1,038 (18.38)	
2004–2007	1,279 (22.65)	1,306 (23.13)	
2008–2011	1,549 (27.43)	1,530 (27.09)	
2012–2015	1,703 (30.16)	1,773 (31.40)	
Marital status, n (%)			0.746
Unmarried	1,771 (31.36)	1,787 (31.65)	
Married	3,876 (68.64)	3,860 (68.35)	
Race, n (%)			0.104
Non-white	1,228 (21.75)	1,300 (23.02)	
White	4,419 (78.25)	4,347 (76.98)	
Income, n (%)			0.004
<$75,000	3,687 (65.29)	3,833 (67.88)	
≥$75,000	1,960 (34.71)	1,814 (32.12)	
Chemotherapy, n (%)			0.532
No	1,164 (20.61)	1,191 (21.09)	
Yes	4,483 (79.39)	4,456 (78.91)	