

S1 Table. Incidence rate and standardized incidence ratio of secondary cancer in multiple myeloma patients compared with general population, stratified by sex

Cancer site	Incident rate (95 % CI) ^{a)}	Observed N	Expected N	SIR	p-value
Men					
All	1293.0 (1089.4-1496.5)	155	289.2	0.82 (0.69-0.95)	0.006
Gastrointestinal cancer	317.0 (216.2-417.8)	38	64.5	0.59 (0.40-0.78)	< 0.001
Head and neck cancer	41.7 (5.1-78.3)	5	9.5	0.52 (0.06-0.98)	0.042
Hepatobiliary cancer	158.5 (87.2-229.8)	19	29.2	0.65 (0.36-0.94)	0.019
Breast cancer	8.3 (0.0-24.7)	1	0.1	7.85 (0.00-23.24)	0.383
Genitourinary	216.9 (133.5-300.3)	26	34.3	0.76 (0.47-1.05)	0.103
Lymphoid	150.2 (80.8-219.5)	18	5.5	3.26 (1.75-4.77)	0.003
Musculoskeletal and soft tissue	8.3 (0.0-24.7)	1	5.1	0.19 (0.00-0.58)	< 0.001
Myeloid	50.1 (10.0-90.1)	6	1.4	4.19 (0.83-7.53)	0.062
Thorax	200.2 (120.1-280.3)	24	34.2	0.70 (0.42-0.98)	0.037
CNS	0.0 (0.0-0.0)	0	1.0	0.00 (0.00-0.00)	-
Women					
Gastrointestinal cancer	82.5 (28.6-136.5)	9	25.9	0.35 (0.12-0.57)	< 0.001
Head and neck cancer	73.4 (22.5-124.2)	6	14	0.57 (0.18-0.97)	0.035
Hepatobiliary cancer	119.2 (54.4-184.1)	13	13.5	0.96 (0.44-1.49)	0.891
Breast cancer	18.3 (0.0-43.8)	2	11.6	0.17 (0.00-0.41)	< 0.001
Genitourinary	9.2 (0.0-27.1)	1	3.2	0.32 (0.00-0.94)	0.032
Gynecology	18.3 (0.0-43.8)	2	2.5	0.80 (0.00-1.92)	0.729
Lymphoid	119.2 (54.4-184.1)	13	3.5	3.74 (1.71-5.78)	0.008

Musculoskeletal and soft tissue	100.9 (41.3-160.5)	11	4.6	2.39 (0.98-3.80)	0.055
Myeloid	18.3 (0.0-43.8)	2	0.8	2.56 (0.00-6.12)	0.389
Thorax	64.2 (16.6-111.8)	7	10.1	0.69 (0.18-1.21)	0.242
CNS	9.2 (0.0-27.1)	1	14.6	0.07 (0.00-0.20)	< 0.001

CI, confidence interval; CNS, central nervous system; SIR, standardized incidence rate. ^{a)}Per 100,000 person-years.