

Risk of infections in multiple myeloma. A population-based study on 8,672 multiple myeloma patients diagnosed 2008-2021 from the Swedish Myeloma Registry

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Supplementary Material

Absolute risk	Myeloma	Controls
Number of patients	8,672	34,561
All infections	0.70	0.32
Bacterial infections	0.52	0.22
Pneumonia	0.18	0.04
Osteomyelitis	0.009	0.005
Septicemia	0.2	0.04
Pyelonephritis	0.04	0.03
Cellulitis	0.016	0.007
Meningitis	0.003	0.0003
Endocarditis	0.007	0.002
Viral infections	0.22	0.06
CMV	0.007	0.0003
EBV	0.001	0.0002
Influenza	0.05	0.009
Herpes Zoster	0.05	0.009
Covid 19	0.03	0.02
Herpes Simplex	0.02	0.003
Fungal infections	0.08	0.02

Table S1: The absolute risk of specific infections, compared to age-matched controls

Myeloma patients	Age (years)	HR	95% CI	p-value
All infections	<65	1.00 (ref)		
	65-80	0.91	0.85-0.98	0.009
	>=80	0.91	0.86-0.96	<0.001
All bacterial infections	<65	1.00 (ref)		
	65-80	1.04	0.96-1.13	0.4
	>=80	1.11	1.04-1.19	<0.001
All viral infections	<65	1.00 (ref)		
	65-80	0.72	0.64-0.80	<0.001
	>80	0.54	0.49-0.59	<0.001
All fungal infections	<65	1.00 (ref)		
	65-80	0.73	0.60-0.88	<0.001
	>=80	0.61	0.52-0.71	<0.001

Table S2: The risk of different types of infections in different age groups.

Only myeloma patients:	Calendar period	HR	95% CI	p-value
All infections	2008-2012	1.00 (ref)		
	2013-2017	1.06	1.00-1.11	0.037
	2018-2021	0.87	0.82-0.93	<0.001
All bacterial infections	2008-2012	1.00 (ref)		
	2013-2017	0.99	0.93-1.05	0.7
	2018-2021	0.78	0.73-0.84	<0.001
All viral infections	2008-2012	1.00 (ref)		
	2013-2017	1.01	0.92-1.11	0.8
	2018-2021	0.85	0.76-0.96	0.014
All fungal infections	2008-2012	1.00 (ref)		
	2013-2017	0.68	0.58-0.79	<0.001
	2018-2021	0.59	0.48-0.72	<0.001

Table S3: The risk of different types of infections in different calendar periods.