

**Supplementary Table 4:** Coefficients and p-values from the time stratified Cox's survival analysis used with a stratification of the DMR variable at 40 days, identified by plotting DMR using the Aalen model. The only variable triggering the significance tests is the stratified DMR variable from 0 to 40 days. Diagnoses were categorised based on BNF chapters. Significance codes: 0 '\*\*\*' 0.001 '\*\*' 0.01 '\*' 0.05 '.' 0.1 '.' 1.

	coef	exp(coef)	se(coef)	z	Pr(> z )
SexMale	0.08574	1.08952	0.04812	1.782	0.0748
Quintile1	0.75671	2.13124	1.05655	0.716	0.4739
Quintile2	0.69989	2.01353	1.05701	0.662	0.5079
Quintile3	0.68254	1.9789	1.05552	0.647	0.5179
Quintile4	0.66517	1.94482	1.05795	0.629	0.5295
Quintile5	0.60378	1.82903	1.06008	0.57	0.569
AgeDecile100-109	0.2797	1.32273	0.52982	0.528	0.5976
AgeDecile20-29	0.08408	1.08772	0.47895	0.176	0.8606
AgeDecile30-39	0.0375	1.03821	0.46302	0.081	0.9355
AgeDecile40-49	0.01306	1.01314	0.44552	0.029	0.9766
AgeDecile50-59	0.15763	1.17073	0.4324	0.365	0.7155
AgeDecile60-69	0.1062	1.11205	0.42818	0.248	0.8041
AgeDecile70-79	0.24576	1.27859	0.42634	0.576	0.5643
AgeDecile80-89	0.23562	1.26569	0.42571	0.553	0.5799
AgeDecile90-99	0.1118	1.11829	0.43128	0.259	0.7955
BNFChapter 01: Certain infectious and parasitic diseases	-0.04902	0.95216	0.20632	-0.238	0.8122
BNFChapter 02: Neoplasms	0.31521	1.37054	0.22788	1.383	0.1666
BNFChapter 03: Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism	0.12141	1.12909	0.27557	0.441	0.6595
BNFChapter 04: Endocrine, nutritional and metabolic diseases	0.09815	1.10313	0.21346	0.46	0.6457
BNFChapter 05: Mental and behavioural disorders	0.12945	1.1382	0.24055	0.538	0.5905
BNFChapter 06: Diseases of the nervous system	0.07728	1.08034	0.23179	0.333	0.7388
BNFChapter 07: Diseases of the eye and adnexa	-0.0308	0.96967	0.5384	-0.057	0.9544
BNFChapter 08: Diseases of the ear and mastoid process	0.35829	1.43089	0.60549	0.592	0.554
BNFChapter 09: Diseases of the circulatory system	-0.03928	0.96148	0.18409	-0.213	0.831

BNFChapter 10: Diseases of the respiratory system	0.18104	1.19846	0.1808	1.001	0.3167	
BNFChapter 11: Diseases of the digestive system	0.01954	1.01973	0.19288	0.101	0.9193	
BNFChapter 12: Diseases of the skin and subcutaneous tissue	0.01734	1.01749	0.22209	0.078	0.9378	
BNFChapter 13: Diseases of the musculoskeletal system/connective system	-0.24174	0.78526	0.2066	-1.17	0.242	
BNFChapter 14: Diseases of the genitourinary system	0.07846	1.08162	0.19025	0.412	0.6801	
BNFChapter 15: Pregnancy, childbirth and the puerperium	1.79629	6.02727	1.03446	1.736	0.0825	.
BNFChapter 17: Congenital malformations, deformations and chromosomal abnormalities	1.18017	3.25492	0.6058	1.948	0.0514	.
BNFChapter 18: Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	-0.0463	0.95475	0.18408	-0.252	0.8014	
BNFChapter 19: Injury/poisoning/other consequences of external causes	-0.06103	0.9408	0.19108	-0.319	0.7494	
BNFChapter 21: Factors influencing health and contact with health services	0.23646	1.26675	0.37172	0.636	0.5247	
DMRDMR Started:strata(tgroup)tgroup=1	-0.51519	0.59739	0.08642	-5.962	2.50E-09	***
DMRNo DMR:strata(tgroup)tgroup=1	NA	NA	0	NA	NA	
DMRDMR Started:strata(tgroup)tgroup=2	-0.03336	0.96719	0.06041	-0.552	0.5808	
DMRNo DMR:strata(tgroup)tgroup=2	NA	NA	0	NA	NA	