

Supplementary File

Supplement Table 1. Incidence ratios (IR) and 95% confidence intervals (CI) for experiencing redefined frequent medical use with 10 visits a month based on individual characteristics. Results of the multiple Poisson regression.

		IR	95% CI	
Age	under 65	ref		
	65 and over	1.31	1.06	1.62
Sex	Female	ref		
	Male	1.02	0.86	1.23
Living alone	No	ref		
	Yes	1.25	1.02	1.54
Working status	Yes	ref		
	No	1.91	1.30	2.81
Nationality	Japanese	ref		
	Other	1.39	0.82	2.35
Disabilities	None	ref		
	Mental disability	0.96	0.68	1.36
	Physical disability	1.85	1.44	2.38
Long-term care status	Not certified	ref		
	Support required	1.06	0.70	1.62
	Care needs	0.75	0.57	0.99
Municipality	A	ref		
	B	1.90	1.59	2.28
Frequently visited medical facilities	Medical corporations	ref		
	National institutes	0.25	0.08	0.77
	Public or prefectural sectors	0.48	0.26	0.89
	Hospitals/clinics with social insurance groups	0.35	0.14	0.84
	Private-run hospitals/clinics	1.18	0.95	1.47
	Other	1.17	0.90	1.52

Abbreviations: IR incidence ratio, 95% CI 95% confidence interval

A total of 6016 recipients was included; 435(7.2%) were engaged in frequent outpatient attendance. The pseudo R square was 0.044.

Supplement Table 2. Incidence ratios (IR) and 95% confidence intervals (CI) for experiencing redefined frequent medical use for 2 or more months consecutively based on individual characteristics. Results of the multiple Poisson regression.

		IR	95% CI	
Age	under 65	ref		
	65 and over	1.67	0.88	3.17
Sex	Female	ref		
	Male	1.18	0.72	1.93
Living alone	No	ref		
	Yes	2.07	1.04	4.12
Working status	Yes	ref		
	No	0.99	0.39	2.51
Nationality	Japanese	ref		
	Other	1.75	0.43	7.06
Disabilities	None	ref		
	Mental disability	0.62	0.20	1.89
	Physical disability	0.53	0.18	1.63
Long-term care status	Not certified	ref		
	Support required	1.26	0.38	4.11
	Care needs	0.77	0.36	1.64
Municipality	A	ref		
	B	4.75	2.86	7.91
Frequently visited medical facilities	Medical corporations	ref		
	National institutes	-		
	Public or prefectural sectors	-		
	Hospitals/clinics with social insurance groups	-		
	Private-run hospitals/clinics	1.66	0.95	2.92
	Other	0.91	0.39	2.15

Abbreviations: IR incidence ratio, 95% CI 95% confidence interval

A total of 6016 recipients was included; 60(1.0%) were engaged in frequent outpatient attendance. The pseudo R square was 0.099.

Supplement Table 3. Incidence ratios (IR) and 95% confidence intervals (CI) for experiencing frequent medical use based on individual characteristics after the exclusion of the occurrence of frequent medical use at the baseline month as the outcome. Results of the multiple Poisson regression.

		IR	95% CI	
Age				
	under 65	ref		
	65 and over	1.49	0.97	2.27
Sex				
	Female	ref		
	Male	0.95	0.68	1.34
Living alone				
	No	ref		
	Yes	1.53	1.01	2.32
Working status				
	Yes	ref		
	No	1.66	0.83	3.34
Nationality				
	Japanese	ref		
	Other	1.78	0.74	4.29
Disabilities				
	None	ref		
	Mental disability	1.12	0.61	2.06
	Physical disability	0.81	0.42	1.56
Long-term care status				
	Not certified	ref		
	Support required	1.03	0.45	2.37
	Care needs	0.73	0.43	1.26
Municipality				
	A	ref		
	B	2.60	1.85	3.66
Frequently visited medical facilities				
	Medical corporations	ref		
	National institutes	0.34	0.05	2.45
	Public or prefectural sectors	0.65	0.24	1.80
	Hospitals/clinics with social insurance groups	0.84	0.26	2.68
	Private-run hospitals/clinics	1.71	1.17	2.49
	Other	0.86	0.47	1.58

Abbreviations: IR incidence ratio, 95% CI 95% confidence interval

A total of 6016 recipients was included; 135(2.2%) were engaged in frequent outpatient attendance. The pseudo R square was 0.049.

Supplement Table 4. Incidence ratios (IR) and 95% confidence intervals (CI) for experiencing frequent medical use. Results of the multiple Poisson regression when using age as a continuous variable:

		IR	95% CI	
Age	by 10 year	1.17	1.04	1.31
Sex	Female	ref		
	Male	1.00	0.71	1.39
Living alone	No	ref		
	Yes	1.51	1.00	2.28
Working status	Yes	ref		
	No	1.64	0.81	3.30
Nationality	Japan	ref		
	Other	1.72	0.71	4.14
Certified disorders	Not certified	ref		
	Mental disability	1.21	0.68	2.14
	Physical disability	0.87	0.46	1.64
Long-term care status	Not certified	ref		
	Support required	0.98	0.43	2.25
	Care needs	0.70	0.41	1.20
Municipality	A	ref		
	B	2.67	1.91	3.73
Frequently visited medical facilities	Medical corporations	ref		
	National institutes	0.35	0.05	2.49
	Public or prefectural sectors	0.65	0.24	1.80
	Hospitals/clinics with social insurance groups	0.85	0.26	2.71
	Private-run hospitals/clinics	1.75	1.21	2.54
	Other	1.00	0.57	1.76

Abbreviations: IR incidence ratio, 95% CI 95% confidence interval

A total of 6016 recipients was included; 139(2.3%) were engaged in frequent outpatient attendance. The pseudo R square was 0.051.