

Characteristic	Crude IRR	95% CI for IRR	P value
Age group (years)			
60 and below	(ref)	NA	NA
61–70	0.95	0.82–1.11	0.551
71–80	0.93	0.80–1.09	0.353
81–90	0.94	0.79–1.12	0.487
Above 90	0.91	0.76–1.09	0.305
Sex			
Male	1.23	1.10–1.37	<0.001
Ethnicity			
Chinese	(ref)	NA	NA
Malay	0.96	0.86–1.09	0.538
Indian	0.92	0.77–1.09	0.315
PCHI (subsidy band)			
SGD700 and below	(ref)	NA	NA
SGD701–1100	1.18	0.80–1.73	0.401
SGD1101–1600	1.33	0.98–1.79	0.064
SGD1601–1800	1.15	0.85–1.57	0.358
SGD1801–2600	1.15	0.88–1.50	0.319
Length of residence in NH			
>5 years	(ref)	NA	NA
0–3 months	1.99	1.62–2.45	<0.001
4–6 months	1.31	1.11–1.55	0.001
7–9 months	1.05	0.88–1.25	0.597
10–12 months	0.93	0.79–1.10	0.411
1–2 years	0.84	0.74–0.96	0.010
2–5 years	0.90	0.79–1.01	0.075
NH licensing type			
VWO	(ref)	NA	NA
PNH	1.11	0.88–1.38	0.385
BOL	1.07	0.82–1.38	0.618
Organisations operating NHs in multiple sites (“chain” operator)	1.20	0.97–1.49	0.087
NH capacity			
<100 beds	(ref)	NA	NA
100–149 beds	0.75	0.53–1.05	0.093
150–249 beds	0.87	0.68–1.10	0.248
≥250 beds	0.89	0.70–1.15	0.381

Characteristic	Crude IRR	95% CI for IRR	P value
Residents approaching EoL	2.14	1.86–2.46	<0.001
CCI indicators			
Myocardial infarction	1.43	1.26–1.62	<0.001
Congestive heart failure	1.15	1.01–1.31	0.041
Peripheral vascular disease	1.47	1.22–1.76	<0.001
Cerebrovascular disease	1.26	1.13–1.40	<0.001
Hemiplegia-paraplegia	1.06	0.92–1.23	0.404
Diabetes mellitus (without complications)	1.49	1.32–1.68	<0.000
Diabetes mellitus (with chronic complications)	0.99	0.88–1.11	0.862
Dementia	1.43	1.31–1.56	<0.001
COPD	1.54	1.41–1.79	<0.001
Renal disease	1.43	1.29–1.59	<0.001
Mild liver disease	1.30	1.07–1.57	0.007
Moderate-severe liver disease	1.14	0.80–1.63	0.469
Any malignancy	1.44	1.24–1.68	<0.001
Metastatic solid tumour	1.14	0.89–1.44	0.300
Prior history of hospital admission in past 1 year	2.73	2.38–3.12	<0.001

^a P values in bold denote statistically significant result $P < 0.05$.

BOL: build-own-lease; CCI: Charlson Comorbidity Index; CI: confidence interval; COPD: chronic obstructive pulmonary disease; EoL: end-of-life; IRR: incidence rate ratio; NA: not available; NH: nursing home; PCHI: per-capita household income; PNH: for-profit organisations under the MOH NH Portable Subsidy Scheme; VWO: voluntary welfare organisation