

Table 2. Disease status and resource utilisation data of patients.

	Total	Routine care (RC)	Medically challenging (MC)	Complex care (CC)	P value
Prevalence, no. (%)	4327 (100.0)	2875 (66.4)	801 (18.5)	651 (15.0)	NA
Medical diagnosis, no. (%)					
Hypertension	2608 (60.3)	1548 (53.8)	566 (70.7)	494 (75.9)	<0.001
Hyperlipidaemia	3001 (69.4)	1828 (63.6)	643 (80.3)	530 (81.4)	<0.001
Type 2 diabetes	1695 (39.2)	885 (30.8)	415 (51.8)	395 (60.7)	<0.001
Stroke/TIA	361 (8.3)	151 (5.3)	95 (11.9)	115 (17.7)	<0.001
Ischaemic heart disease	516 (11.9)	251 (8.7)	136 (17.0)	129 (19.8)	<0.001
Congestive cardiac failure	55 (1.3)	13 (0.5)	13 (1.6)	29 (4.5)	<0.001
Atrial fibrillation	166 (3.8)	55 (1.9)	60 (7.5)	51 (7.8)	<0.001
Peripheral vascular disease	30 (0.7)	9 (0.3)	8 (1.0)	13 (2.0)	<0.001
Chronic kidney disease	471 (10.9)	181 (6.3)	139 (17.4)	151 (23.2)	<0.001
Asthma and/or COPD	263 (6.1)	154 (5.4)	60 (7.5)	49 (7.5)	0.022
Chronic liver disease	406 (9.4)	238 (8.3)	92 (11.5)	76 (11.7)	0.003
Dementia and/or cognitive impairment	82 (1.9)	24 (0.8)	22 (2.7)	36 (5.5)	<0.001
Rheumatoid arthritis	22 (0.5)	12 (0.4)	8 (1.0)	2 (0.3)	0.129
Peptic ulcer disease/gastritis/GERD	410 (9.5)	277 (9.6)	74 (9.2)	59 (9.1)	0.875
Malignant neoplasm	148 (3.4)	74 (2.6)	38 (4.8)	36 (5.5)	<0.001
Osteoporosis	235 (5.4)	122 (4.2)	60 (7.5)	53 (8.1)	<0.001
Disorder of thyroid	343 (7.9)	217 (7.5)	71 (8.9)	55 (8.4)	0.412
Depression	111 (2.6)	48 (1.7)	25 (3.1)	38 (5.8)	<0.001
Anxiety disorder	84 (1.9)	33 (1.1)	19 (2.4)	32 (4.9)	<0.001
Hyperplasia of prostate	211 (4.9)	107 (3.7)	52 (6.5)	52 (8.0)	<0.001

Table 2. Disease status and resource utilisation data of patients. (Cont'd)

	Total	Routine care (RC)	Medically challenging (MC)	Complex care (CC)	P value
No. of chronic conditions, mean (SD)	3.0 (2.1)	2.5 (1.9)	3.7 (2.0)	4.1 (2.0)	<0.001
MOH definition, no. (%)					<0.001
No chronic condition (0 condition)	689 (15.9)	591 (20.6)	61 (7.6)	37 (5.7)	
Simple (1 condition)	444 (10.3)	363 (12.6)	48 (6.0)	33 (5.1)	
Moderate (2-3 conditions)	1428 (33.0)	1011 (35.2)	243 (30.3)	174 (26.7)	
Complex (³ 4 conditions)	1766 (40.8)	909 (31.7)	449 (56.1)	407 (62.5)	
Resource utilisation in last 1 year, mean (SD)					
Unique medications dispensed	7.80 (5.71)	6.80 (5.27)	9.13 (5.72)	10.56 (6.32)	<0.001
Doctor visits	3.36 (2.54)	2.99 (2.36)	3.90 (2.61)	4.30 (2.88)	<0.001
Nurse visits	0.33 (0.66)	0.30 (0.59)	0.40 (0.78)	0.41 (0.76)	<0.001
MSW visits	0.01 (0.15)	0.01 (0.09)	0.01 (0.12)	0.05 (0.30)	<0.001
Psychologist visits	0.02 (0.24)	0.01 (0.18)	0.02 (0.22)	0.04 (0.42)	0.036
Financial counsellor visits	0.06 (0.31)	0.04 (0.25)	0.06 (0.30)	0.15 (0.51)	<0.001
Consult time per doctor visit (min)	13.9 (11.9)	12.7 (11.8)	14.9 (9.8)	17.8 (13.5)	<0.001
Total doctor consult time (min)	62.2 (68.6)	54.3 (65.1)	68.0 (60.6)	89.6 (83.3)	<0.001
Total nursing consult time (min)	32.3 (67.0)	25.6 (41.9)	38.1 (53.1)	55.1 (133.6)	<0.001
Total allied health consult time (min)	9.0 (33.5)	7.3 (30.5)	9.3 (31.4)	16.2 (45.6)	<0.001
Total cost of care (SGD)	851.8 (684.6)	705.2 (561.8)	1050.8 (705.3)	1254.4 (897.2)	<0.001

P values in bold are statistically significant. Kruskal-Wallis test applied for comparison of continuous variables; Pearson's chi-squared test or Fisher's Exact test applied for categorical variables.

COPD: chronic obstructive pulmonary disease; GERD: gastroesophageal reflux disease; HDB: Housing & Development Board flat; min: minutes; MOH: Ministry of Health, Singapore; MSW: medical social worker; NA: not applicable; SD: standard deviation; SGD: Singapore dollar; TIA: transient ischaemic attack