Article title: Regional Differences in Admission Rates of Emergency Patients Who Visited a Private General Hospital in the Capital City of Cambodia: A Three-Year Observational Study

Journal name: International Journal of Health Policy and Management (IJHPM)

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Supplementary file 1

Table S1. Multivariate logistic regression analysis with missing values of address.

	Multivariate analysis (N = 5,155)
	Adjusted OR (95% CI)
Gender	
Male	Ref.
Female	0.70 (0.61–0.80) **
Age	1.03(1.03–1.03) **
Address	
Phnom Penh	Ref.
Kandal	0.94 (0.60–1.47)
Close to Kandal	1.80 (1.33–2.42) **
Other	2.02 (1.50–2.73) **
Unknown	1.15 (0.97–1.36)
Time	
8:00–11:50	Ref.
12:00–17:59	3.29 (2.52–4.29) **
18:00–23:59	3.22 (2.49–4.17) **
0:00–7:59	2.51 (1.87–3.37) **
Season	
Rainy season	Ref.
Dry season	0.91 (0.79–1.05)

* $P < 0.05$, ** $P < 0.01$

OR = Odds ratio

CI = Confidence interval

Table S2. Patients characteristics by gender groups.   (N = 6,167)

	Male (n = 3,205)	Female (n = 2,962)
Age (Median, [interquartile range])	58 [37–73]	60 [36–73]
Insurance		
Yes	20 (0.62)	18 (0.61)
No	3185 (99.38)	2944 (99.39)
Next plan classification (n = 5,156) **		
Consultation finish	1423 (53.64)	1431 (57.17)
Revisit	535 (20.17)	543 (21.69)
Admission, transfer	695 (26.20)	529 (21.13)
Time		
0:00–7:59	498 (15.54)	426 (14.38)
8:00–11:50	457 (14.26)	426 (14.38)
12:00–17:59	879 (27.43)	830 (28.02)
18:00–23:59	1371 (42.78)	1280 (43.21)
Season		
Rainy season	1823 (56.88)	1672 (56.45)
Dry season	1382 (43.12)	1290 (43.55)
Out of Pocket Payment (Median, [interquartile range]) **	230.80 [101.82–374.47]	207.23 [100.41–339.20]

* $P < 0.05$, ** $P < 0.01$ with Chi-squire test or Mann-Whitney U test

Table S3. Multivariate logistic regression analysis to determine whether the address area affects to the admission rate.

	Univariate analysis	Multivariate analysis (N=1,910)
	Unadjusted OR (95% CI)	Unadjusted OR (95% CI)
Gender		
Male	Ref.	Ref.
Female	0.75 (0.66–0.86) **	0.60 (0.50-0.75) **
Age	1.03 (1,03–1.03) **	1.03(1.03–1.04) **
Address		
Area 1	Ref.	Ref.
Area 2	1.20 (0.78–1.84)	0.92 (0.59–1.44)
Area 3	1.92 (1.45–2.55) **	1.81 (1.34–2.44) **
Area 4	2.25 (1.70–3.00) **	2.10 (1.55–2.84) **
Time		
8:00–11:50	Ref.	Ref.
12:00–17:59	3.55 (2.74–4.60) **	2.18 (1.40–3.39) **
18:00–23:59	3.07(2.39–3.95) **	3.08 (2.01–4.72) **
0:00–7:59	2.45(1.84–3.27) **	3.20 (1.99–5.16) **
Season		
Rainy season	Ref.	Ref.
Dry season	0.89 (0.78–1.01)	0.91 (0.72–1.14)

* $P < 0.05$, ** $P < 0.01$

OR = Odds ratio

CI = Confidence interval