

Table S1. Factors associated with NCD service utilization for OP visits among expatriate patients in Table 2014-2018. (Substituting missing data with the value that showed percentage majority).

Factors	Bivariate analysis by Chi square test		Multivariable logistic regression	
	Crude OR (95% CI)	P-value	Adjusted OR (95% CI)	P-value
Female (vs. male)	1.19 (1.16–1.22)	<0.001	1.17 (1.15–1.20)	<0.001
Age group (vs. 15 – 59 years)				<0.001
60 years and over	1.56 (1.50–1.62)	<0.001	1.35 (1.29–1.41)	<0.001
CLMV (vs. non-CLMV)	0.74 (0.71–0.77)	<0.001	0.84 (0.8–0.88)	<0.001
Married status (vs. Single)				<0.001
Married	1.20 (1.18–1.23)	<0.001	1.09 (1.06–1.11)	<0.001
Other	1.97 (1.78–2.18)	<0.001	1.52 (1.37–1.69)	<0.001
Service areas (vs. North)				<0.001
Central	0.76 (0.74–0.78)	<0.001	0.82 (0.79–0.84)	<0.001
North Eastern	0.93 (0.90–0.97)	0.001	0.92 (0.88–0.95)	<0.001
South	0.76 (0.73–0.78)	<0.001	0.82 (0.79–0.85)	<0.001
Uninsured (vs. insured)	0.96 (0.94–0.98)	<0.001	0.93 (0.91–0.95)	<0.001
Year of service (vs. 2014)				<0.001
2015	0.96 (0.93–0.99)	0.025	0.99 (0.95–1.02)	0.420
2016	0.93 (0.90–0.97)	<0.001	0.96 (0.93–0.99)	0.016
2017	0.97 (0.94–1.01)	0.130	0.99 (0.96–1.03)	0.745
2018	1.01 (0.98–1.05)	0.367	1.05 (1.02–1.08)	0.003

Table S2. Factors associated with NCD service utilization in IP care among expatriate patients in Table 2014-2018. (Substituting missing data with the value that showed percentage majority).

Factors	Bivariate analysis by Chi square test		Multivariable Logistic regression	
	Crude OR (95% CI)	P-value	Adjusted OR (95% CI)	P-value
Female (vs. male)	0.48 (0.42–0.55)	<0.001	0.49 (0.43–0.57)	<0.001
60 years and over (vs. 15 – 59 years)	2.14 (1.82–2.52)	<0.001	1.69 (1.41–2.04)	<0.001
CLMV (vs. non-CLMV)	0.68 (0.55–0.85)	0.001	1.35 (1.05–1.74)	0.019
Service areas (vs. North)				<0.001
Central	0.69 (0.58–0.82)	<0.001	0.73 (0.61–0.87)	<0.001
North Eastern	1.39 (1.15–1.68)	0.001	1.37 (1.12–1.66)	0.002
South	0.59 (0.48–0.72)	<0.001	0.63 (0.52–0.78)	<0.001
Year of service (vs. 2014)				0.172
2015	0.96 (0.81–1.14)	0.632	1.04 (0.87–1.24)	0.660
2017	1.05 (0.88–1.25)	0.593	1.11 (0.92–1.34)	0.260
2018	1.19 (0.98–1.43)	0.072	1.23 (1.01–1.49)	0.036

Table S3. Factors associated with NCD service utilization for OP visits among expatriate patients in Thailand, 2014–2018 (Substituting missing data with the value that showed percentage minority).

Factors	Bivariate analysis by Chi square test		Multivariable logistic regression	
	Crude OR (95% CI)	P-value	Adjusted OR (95% CI)	P-value
Female (vs. male)	1.19 (1.17–1.22)	<0.001	1.17 (1.15–1.20)	<0.001
Age group (vs. 15 – 59 years)				<0.001
60 years and over	1.55 (1.49–1.62)	<0.001	1.37 (1.31–1.43)	<0.001
CLMV (vs. non-CLMV)	0.74 (0.71–0.77)	<0.001	0.84 (0.8–0.88)	<0.001
Married status (vs. Single)				<0.001
Married	1.20 (1.17–1.22)	<0.001	1.08 (1.05–1.1)	<0.001
Other	1.40 (1.34–1.47)	<0.001	1.24 (1.18–1.3)	<0.001
Service areas (vs. North)				<0.001
Central	0.76 (0.74–0.78)	<0.001	0.82 (0.79–0.84)	<0.001
North Eastern	0.93 (0.90–0.97)	0.001	0.91 (0.88–0.95)	<0.001
South	0.76 (0.73–0.78)	<0.001	0.81 (0.78–0.84)	<0.001
Uninsured (vs. insured)	0.96 (0.94–0.98)	<0.001	0.93 (0.91–0.95)	<0.001
Year of service (vs. 2014)				<0.001

2015	0.96 (0.93–0.99)	0.025	0.98 (0.95–1.02)	0.406
2016	0.93 (0.90–0.97)	<0.001	0.96 (0.93–0.99)	0.020
2017	0.97 (0.94–1.01)	0.130	0.99 (0.96–1.03)	0.778
2018	1.01 (0.98–1.05)	0.367	1.05 (1.02–1.08)	0.003

Table S4. Factors associated with NCD service utilization in IP care among expatriate patients in Thailand, 2014–2018 (Substituting missing data with the value that showed percentage minority).

Factors	Bivariate analysis by Chi square test		Multivariable Logistic regression	
	Crude OR (95% CI)	P-value	Adjusted OR (95% CI)	P-value
Female (vs. male)	0.48 (0.42–0.54)	<0.001	0.49 (0.43–0.57)	<0.001
60 years and over (vs. 15 – 59 years)	2.14 (1.82–2.52)	<0.001	1.68 (1.40–2.03)	<0.001
CLMV (vs. non-CLMV)	0.68 (0.55–0.85)	0.001	1.35 (1.05–1.74)	0.021
Service areas (vs. North)				<0.001
Central	0.69 (0.58–0.82)	<0.001	0.73 (0.61–0.87)	<0.001
North Eastern	1.39 (1.15–1.68)	0.001	1.37 (1.12–1.66)	0.002
South	0.59 (0.48–0.72)	<0.001	0.63 (0.52–0.78)	<0.001
Year of service (vs. 2014)				0.171
2015	0.96 (0.81–1.14)	0.632	1.04 (0.87–1.24)	0.657
2017	1.05 (0.88–1.25)	0.593	1.11 (0.92–1.34)	0.259
2018	1.19 (0.98–1.43)	0.072	1.23 (1.01–1.50)	0.035