SUPPLEMENTAL FIGURES AND TABLES

Supplemental Table 1. Transition probabilities applied for the coronary heart disease cohort health states

Patient	Tp1	Tp2	ТрЗ	Tp4	Tp5
Current smokers					
Males 35 to 64 years old	0.61%	3.9%	0.030%	0.026%	0.005%
Males 65 years old and above	3.11%	3.9%	0.065%	2.247%	0.041%
Females 35 to 64 years old	0.54%	3.9%	0.030%	0.019%	0.005%
Females 65 years old and	3.22%	3.9%	0.247%	9.500%	0.024%
above					
Former smokers					
Males 35 to 64 years old	0.37%	2.0%	0.030%	0.036%	0.005%
Males 65 years old and above	2.49%	2.0%	0.025%	1.623%	0.023%
Females 35 to 64 years old	0.24%	2.0%	0.030%	0.019%	0.005%
Females 65 years old and	2.65%	2.0%	0.095%	6.874%	0.012%
above					

Abbreviations: Tp- transition probability.

Supplemental Table 2. Transition probabilities applied for the stroke cohort health states

Patient	Tp1	Tp2	Tp3	Tp4	Tp5
Current smokers			-		
Males 35 to 64 years old	0.35%	0.81%	0.030%	0.026%	0.005%
Males 65 years old and above	0.93%	4.15%	0.065%	2.247%	0.041%
Females 35 to 64 years old	2.71%	0.72%	0.030%	0.019%	0.005%
Females 65 years old and	0.89%	4.29%	0.247%	9.500%	0.024%
above					
Former smokers					
Males 35 to 64 years old	0.15%	0.50%	0.030%	0.036%	0.005%
Males 65 years old and above	0.62%	3.32%	0.025%	1.623%	0.023%
Females 35 to 64 years old	1.07%	0.32%	0.030%	0.019%	0.005%
Females 65 years old and	0.67%	3.53%	0.095%	6.874%	0.012%
above					

Abbreviations: Tp- transition probability.

Supplemental Table 3. Key Markov model input parameters

Variable	Mean	Standard	Distribution	Reference/Source
		error	for	
			probability	
			sensitivity	
			analysis	
Discounting	0.03	-		Sanders 2016
Clinical parameters				
Smoking quit rates				
at 6 months				
Usual care	0.05	0.02	Beta	Expert opinion
Smoking cessation	0.14	0.06	Beta	Concurrent cohort study ¹
clinic				
Relapse rates post				
quitting				
Up to 5 years	0.06	0.02	Beta	Wetter 2004
6 to 10 years	0.02	0.02	Beta	Krall 2002
11 years and over	0.01	0.02	Beta	Krall 2002
Cost parameters (in				
<u>USD)</u>				
Usual care	0	-	Gamma	Expert opinion
Smoking cessation	60.16	-		
clinic				
Cost of medication	56.96	-	Gamma	Concurrent cohort study ¹
Cost of general	3.20	-	Gamma	Concurrent cohort study ¹
practitioner visits				
Acute CHD				
First year	4252.63			
Direct medical cost	4141.94	633.97	Gamma	Anukoolsawat 2006,
				Choosakulchart 2013
Direct non-medical	110.70	16.94	Gamma	Anukoolsawat 2006,
cost				Choosakulchart 2013
Subsequent years	604.67			
Direct medical cost	444.57	68.05	Gamma	Anukoolsawat 2006,
				Choosakulchart 2013
Direct non-medical	160.10	24.51	Gamma	Anukoolsawat 2006,
cost				Choosakulchart 2013
Stroke				

Variable	Mean	Standard error	Distribution for probability sensitivity	Reference/Source
First year	2882.33		analysis	
Direct medical cost	2189.70	335.16	Gamma	Tamteerano (Statin CEA by HITAP)
Direct non-medical cost	692.63	106.01	Gamma	Riewpaiboon 2010, Experior opinion
Subsequent years	531.60			•
Direct medical cost	346.90	53.10	Gamma	Tamteerano (Statin CEA by HITAP)
Direct non-medical cost	184.70	28.27	Gamma	Riewpaiboon 2010, Expert opinion
COPD	2471.88			•
Direct medical cost	2111.71	403.88	Gamma	Thanaviratananich 2016
Direct non-medical	360.17	55.13	Gamma	Riewpaiboon 2010, Experi
cost				opinion
Oral cancer	3521.64			-
Direct medical cost	2782.84	425.94	Gamma	Weerapradits 2009
Direct non-medical	738.80	113.08	Gamma	Riewpaiboon 2010, Expert
cost				opinion
Lung cancer	6686.58			
Direct medical cost	6058.60	927.34	Gamma	Thongprasert 2017
Direct non-medical	627.98	96.12	Gamma	Riewpaiboon 2010, Data collection from
cost				
				Maharajnakorn Hosp, Chiang Mai
Health utilities				-
CHD	0.76	0.02	Beta	Annemans 2009
Stroke				
First year	0.74	0.09	Beta	Annemans 2009
Subsequent years	0.15	0.02	Beta	Annemans 2009
COPD	0.76	0.1	Beta	Annemans 2009
Oral cancer	0.88	0.02	Beta	Downer 1997
Lung cancer	0.66	0.02	Beta	Chouaid 2013
COPD Oral cancer Lung cancer Incident morbidity ri Current smokers CHD	0.76 0.88 0.66	0.1 0.02 0.02	Beta Beta	Annemans 2009 Downer 1997

Variable	Mean	Standard	Distribution	Reference/Source
		error	for	
			probability	
			sensitivity	
			analysis	
Male (35-64)	0.61%	-	-	Friedman 2000
(65+)	3.11%	-	-	
Female (34-64)	0.54%	-	-	
(65+)	3.22%	-	-	
Stroke				
Male (35-64)	0.35%	-	-	Allender 2008
(65+)	0.93%	-	-	
Female (34-64)	2.71%	-	-	
(65+)	0.89%	-	-	
COPD				
Male (35-64)	0.03%	-	-	Allender 2008
(65+)	2.25%	-	-	
Female (34-64)	0.02%	-	-	
(65+)	9.50%	_	-	
Lung cancer				
Male (35-64)	0.03%	_	-	Thun 2000
(65+)	0.06%	_	-	
Female (34-64)	0.03%	-	-	
(65+)	0.25%	_	-	
Oral cancer				
Male (35-64)	0.005%	-	-	Ide 2008
(65+)	0.041%	-	-	
Female (34-64)	0.005%	-	-	
(65+)	0.024%	_	_	
Former smokers	3.021/0			
CHD				Friedman 2000
Male (35-64)	0.37%	_	-	111001111111 2000
(65+)	2.49%	_	_	
Female (34-64)	0.24%	_	_	
(65+)	2.65%	_	_	
Stroke	2.03/0	_		Allender 2008
Male (35-64)	0.15%	_	_	America 2000
(65+)	0.13%		_	
Female (34-64)	1.07%	-	-	
		-	-	
(65+)	0.67%	-	-	

Variable	Mean	Standard	Distribution	Reference/Source
		error	for	
			probability	
			sensitivity	
			analysis	
COPD				Allender 2008
Male (35-64)	0.03%	-	-	
(65+)	1.62%	-	-	
Female (34-64)	0.02%	-	-	
(65+)	6.87%	-	-	
ung cancer				Thun 2000
Male (35-64)	0.03%	-	-	
(65+)	0.03%	-	-	
Female (34-64)	0.03%	-	-	
(65+)	0.09%	-	-	
Oral cancer				Ide 2008
Male (35-64)	0.005%	-	_	
(65+)	0.023%	-	_	
Female (34-64)	0.005%	-	_	
(65+)	0.012%	-	_	
ncident mortality r	risks – Rela	tive risks (St	andard error)	
Current smokers			_	
CHD				Friedman 2000
Male	2.0	0.04	-	
emale	2.2	0.04	_	
troke				Friedman 2000
Iale (35-64)	2.4	0.13	_	
(65+)	1.5	0.10	-	
	1.5 3.8	0.10 0.11	-	
emale (34-64)	3.8	0.11	- - -	
Gemale (34-64) (65+)			- - -	Friedman 2000
Female (34-64) (65+) COPD	3.8 1.6	0.11 0.08	- - -	Friedman 2000
Gemale (34-64) (65+) COPD Male	3.8 1.6 10.8	0.11 0.08 0.13	- - -	Friedman 2000
Gemale (34-64) (65+) COPD Male Gemale	3.8 1.6	0.11 0.08	- - - -	
Female (34-64) (65+) COPD Male Female Lung cancer	3.8 1.6 10.8 12.3	0.11 0.08 0.13 0.11	- - - -	Friedman 2000 Ando 2003
Female (34-64) (65+) COPD Male Female Lung cancer Male	3.8 1.6 10.8 12.3 4.5	0.11 0.08 0.13 0.11	- - - -	
Female (34-64) (65+) COPD Male Female Lung cancer Male Female	3.8 1.6 10.8 12.3	0.11 0.08 0.13 0.11	- - - -	Ando 2003
Female (34-64) (65+) COPD Male Female Lung cancer Male Female Oral cancer	3.8 1.6 10.8 12.3 4.5 3.6	0.11 0.08 0.13 0.11 0.19 0.24	- - - - -	
Female (34-64)	3.8 1.6 10.8 12.3 4.5	0.11 0.08 0.13 0.11	- - - - -	Ando 2003

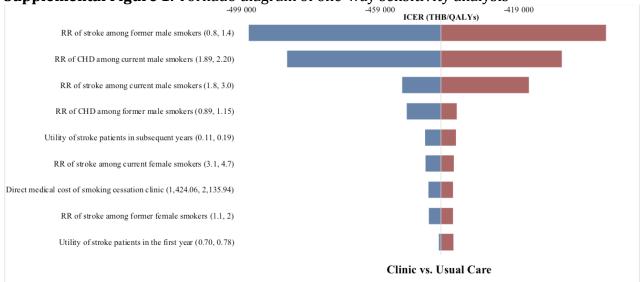
Variable	Mean	Standard error	Distribution for probability sensitivity analysis	Reference/Source
CHD				Friedman 2000
Male	1.0	0.07	-	
Female	1.5	0.05	-	
Stroke				Friedman 2000
Male (35-64)	1.0	0.14	-	
(65+)	1.0	0.07	-	
Female (34-64)	1.5	0.15	-	
(65+)	1.2	0.09	-	
COPD				Friedman 2000
Male	7.8	0.12	-	
Female	8.9	0.11	-	
Lung cancer				Ando 2003
Male	2.4	0.20	-	
Female	2.6	0.42	-	
Oral cancer				Ide 2008
Male	2.6	0.49	-	
Female	7.9	0.67	-	

¹Real-World Assessment of the Thai Multidisciplinary Smoking Cessation Program on Clinical Outcomes:

A Multicentre Prospective Observational Study

*COPD: Chronic obstructive pulmonary disease; CHD: Coronary heart disease

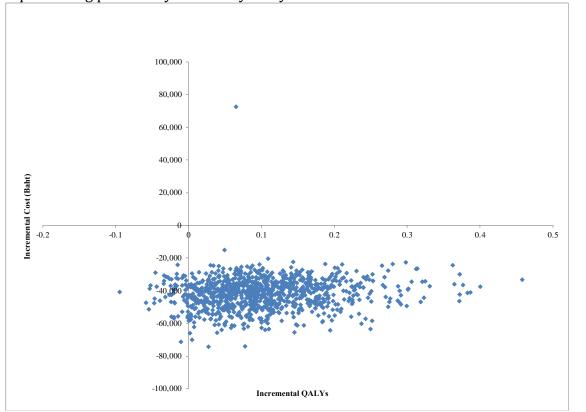
Supplemental Figure 1. Tornado diagram of one-way sensitivity analysis



Abbreviations: CHD – coronary heart disease; RR- relative risk; ICER – incremental cost-effectiveness ratio; THB- Thai Baht; QALY- quality-adjusted life year; Clinic- The SMART Quit Clinic Program.

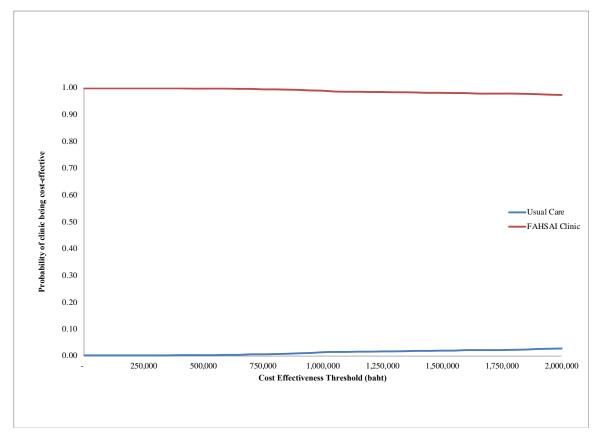
Supplemental Figure 2. Cost-effectiveness plane for the FAHSAI clinic in Thailand

representing probability sensitivity analysis



Abbreviations: QALY- quality-adjusted life year.

Supplemental Figure 3. Cost-effectiveness acceptability curve, FAHSAI clinic vs. usual care in Thailand



Abbreviations: FAHSAI Clinic- The SMART Quit Clinic Program.

Appendix 1. CHEERS 2022 Checklist

Appendix 1. CHEERS 2022 Checkl	Item	Reported in Section
TITLE	Item	Reported in Section
IIILE		
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