

# CORE TABLE

BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM 2015  
(BRFSS 2015)

## Health Regional 2

Bureau of Non-communicable diseases  
Department of Disease Control

Dr. Kamolthip Vijitsoonthornkul and Mr. Kanthabhon Tabhun Analyst and Reporter  
12 October 2015

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## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## part 0 Demographic data

Table 0 Population (gender, age, education level, personal income, religion, marital status, work and money status and family income) by municipal area

Population characters	Frequency	Percent	Municipal area		Out municipal area	
			Frequency	Percent	Frequency	Percent
<b>overall</b>	<b>1,595</b>	<b>100.0</b>	<b>711</b>	<b>20.9</b>	<b>884</b>	<b>79.1</b>
<b>gender</b>						
male	824	49.1	366	47.2	458	49.6
female	771	50.9	345	52.8	426	50.4
<b>age group</b>						
15-19 years	128	11.0	56	8.3	72	11.7
20-24 years	95	9.5	39	7.2	56	10.1
25-29 years	91	7.3	45	9.2	46	6.8
30-34 years	89	7.8	39	6.9	50	8.1
35-39 years	151	9.6	61	9.9	90	9.5
40-44 years	125	7.8	57	8.8	68	7.5
45-49 years	122	9.4	51	8.8	71	9.6
50-54 years	134	10.1	59	8.9	75	10.4
55-59 years	136	10.6	66	12.9	70	10.1
60-64 years	202	6.4	88	6.5	114	6.4
65-69 years	147	4.8	67	6.0	80	4.5
70-74 years	107	3.2	52	4.1	55	3.0
75-79 years	68	2.3	31	2.6	37	2.2
<b>education level</b>						
never attended school	62	4.2	17	1.7	45	4.9
lower pratom	91	7.7	32	4.7	59	8.5
pratom 1-6	819	41.1	355	43.2	464	40.5
pre-high school (matayom 3)	240	16.9	114	18.7	126	16.5
high school (matayom 6)/pre-vocational school	242	17.4	123	18.5	119	17.1
high-vocational school /college	61	5.6	27	3.9	34	6.1
university or upper	80	7.0	43	9.4	37	6.4
<b>personal income</b>						
no income	74	5.8	41	7.5	33	5.4
1-999 baht	119	5.4	56	5.9	63	5.3
1,000 - 4,999 baht	500	29.6	186	26.2	314	30.4
5,000 - 9,999 baht	458	32.2	211	29.2	247	33.0
10,000 - 24,999 baht	354	22.1	169	26.5	185	21.0
25,000 - 49,999 baht	44	3.8	19	3.2	25	4.0
50,000 baht and upper	13	1.1	7	1.5	6	1.0
<b>religion</b>						
buddhism	1594	100.0	710	99.8	884	100.0
christianity	1	0.0	1	0.2	-	-
others	-	-	-	-	-	-

## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## part 0 Demographic data

Table 0 Population (gender, age, education level, personal income, religion, marital status, work and money status and family income) by municipal area (cont.)

Population characters	Frequency	Percent	Municipal area		Out municipal area	
			Frequency	Percent	Frequency	Percent
<b>marital status</b>						
single	332	26.9	153	27.0	179	26.8
a member of unmarried couple	75	5.3	33	4.5	42	5.6
married	989	58.8	437	58.2	552	58.9
separate	55	3.2	28	4.7	27	2.8
divorce	144	5.8	60	5.5	84	5.9
<b>work status</b>						
managers	2	0.1	1	0.2	1	0.1
professionals	29	3.1	17	4.7	12	2.7
technicians and associate professionals	9	0.6	4	0.6	5	0.6
clerical support workers	22	3.3	7	1.6	15	3.8
service and sales workers	113	10.4	69	21.2	44	7.6
skilled agricultural, forestry and fishery workers	22	1.7	9	1.2	13	1.9
craft and related trades workers	449	39.0	145	28.0	304	41.8
plant and machine operators and assemblers	10	1.5	4	0.7	6	1.7
elementary occupations	448	40.3	220	41.9	228	39.8
armed forces occupations	-	-	-	-	-	-
<b>money status</b>						
have not enough money and have debt for daily expenditure	280	14.8	125	17.7	155	14.0
pay carefully and economize	1,001	63.2	436	59.9	565	64.0
had enough situation	150	12.7	69	10.8	81	13.1
good economic situation	132	9.4	61	11.5	71	8.9
<b>family income</b>						
no income	27	1.9	15	3.2	12	1.5
1- 999 baht	43	2.3	24	3.2	19	2.1
1,000 - 4,999 baht	267	16.2	100	14.0	167	16.8
5,000 - 9,999 baht	287	22.4	131	21.2	156	22.8
10,000 - 24,999 baht	516	38.5	246	43.6	270	37.2
25,000 - 49,999 baht	140	12.7	53	10.0	87	13.4
50,000 - 99,999 baht	37	3.1	18	4.3	19	2.8
100,000 - 499,999 baht	16	1.6	4	0.5	12	1.8
500,000 baht and upper	9	1.3	-	-	9	1.7

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 1 General health

Table 1.1 How is your health in general? (GENHLTH)

Variable	Frequency	WgtFreq	Excellent or very good or good				Fair or poor			
			Frequenc	Percent	LowerCL	UpperCL	Frequenc	Percent	LowerCL	UpperCL
overall	1,593	2,651,118	1006	67.3	55.2	79.5	587	32.7	20.5	44.8
municipal area	710	554,188	444	65.2	64.2	66.2	266	34.8	33.8	35.8
out municipal area	883	2,096,930	562	67.9	54.0	81.8	321	32.1	18.2	46.0
male	823	1,302,876	566	74.6	59.7	89.4	257	25.4	10.6	40.3
female	770	1,348,242	440	60.4	24.1	96.7	330	39.6	3.3	75.9
15-24 years	223	543,684	190	87.9	54.9	100.0	33	12.1	0.0	45.1
25-34 years	180	401,830	146	82.1	81.4	82.8	34	17.9	17.2	18.6
35-44 years	276	461,869	196	69.8	40.2	99.4	80	30.2	0.6	59.8
45-54 years	255	518,378	157	60.8	51.9	69.6	98	39.2	30.4	48.1
55-64 years	338	452,181	177	49.9	4.0	95.9	161	50.1	4.1	96.0
65-74 years	254	214,590	115	43.8	20.5	67.0	139	56.2	33.0	79.5
75-79 years	67	58,585	25	35.0	15.2	54.8	42	65.0	45.2	84.8
never attended school	62	111,533	33	62.3	48.0	76.6	29	37.7	23.4	52.0
pratoon 1-6	908	1,291,784	483	52.6	29.9	75.3	425	47.4	24.7	70.1
matayoom 1-6	482	911,660	377	82.4	27.6	100.0	105	17.6	0.0	72.4
college/certificate	61	149,891	44	78.8	16.3	100.0	17	21.2	0.0	83.7
university or upper	80	186,250	69	89.6	32.7	100.0	11	10.4	0.0	67.3
no income	74	150,722	51	69.9	68.7	71.0	23	30.1	29.0	31.3
1-4,999 baht	619	911,204	324	59.3	20.1	98.5	295	40.7	1.5	79.9
5,000-9,999 baht	458	838,276	308	66.6	56.2	76.9	150	33.4	23.1	43.8
10,000 baht upper	410	699,204	311	79.9	55.4	100.0	99	20.1	0.0	44.6

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 1 General health

Table 1.2 During the past 30 days, how many days did you have physical illness or injury? (PSICKDAY)

Variable	Frequency	WgtFreq	0 day				1-2 days				3-7 days				8-30 days			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,590	2,643,812	1247	75.5	75.2	75.8	123	7.9	0.0	19.0	149	9.7	0.0	30.1	71	6.9	0.0	38.7
municipal area	711	555,063	579	79.7	78.3	81.2	48	6.7	0.0	15.9	59	9.8	2.9	16.8	25	3.7	2.9	4.5
out municipal area	879	2,088,748	668	74.4	71.7	77.1	75	8.2	0.0	20.8	90	9.6	0.0	37.1	46	7.8	0.0	45.2
male	820	1,297,123	674	81.1	70.0	92.3	61	7.9	6.9	9.0	61	6.2	0.0	18.8	24	4.8	0.0	29.7
female	770	1,346,689	573	70.1	61.2	78.9	62	7.9	0.0	28.6	88	13.0	0.0	40.1	47	9.0	0.0	47.9
15-24 years	222	540,073	188	84.9	58.7	100.0	9	3.0	0.0	23.5	19	10.0	9.6	10.5	6	2.0	0.0	7.4
25-34 years	180	401,830	148	83.3	78.3	88.3	11	7.7	0.0	42.0	18	7.7	0.0	33.6	3	1.2	0.0	14.7
35-44 years	276	461,869	224	77.9	34.3	100.0	17	7.1	0.0	44.3	27	10.6	0.0	36.2	8	4.4	0.0	23.7
45-54 years	255	516,474	193	67.0	39.3	94.7	25	10.3	0.0	28.3	27	11.4	0.0	37.5	10	11.3	0.0	83.1
55-64 years	338	452,181	258	69.1	0.0	100.0	26	8.4	3.5	13.2	34	8.9	0.0	27.5	20	13.5	0.0	97.1
65-74 years	251	210,742	186	69.7	65.4	73.9	25	12.2	0.0	25.7	22	9.2	0.0	56.5	18	8.9	0.0	65.5
75-79 years	68	60,643	50	61.2	0.0	100.0	10	20.2	0.0	59.7	2	3.8	0.0	11.3	6	14.7	0.0	49.8
never attended school	62	111,533	44	58.8	0.0	100.0	4	12.2	0.0	33.1	7	17.1	4.3	29.9	7	11.8	0.0	45.8
pratoon 1-6	906	1,288,089	680	68.9	47.2	90.6	92	10.7	0.0	22.1	84	9.2	0.0	36.5	50	11.2	0.0	71.5
matayoom 1-6	481	908,049	406	84.7	70.9	98.5	19	4.5	3.8	5.2	44	8.4	0.0	20.0	12	2.5	0.0	5.3
college/certificate	61	149,891	54	85.3	76.4	94.3	1	1.8	0.0	28.9	6	12.8	0.0	30.9	0	0.0	0.0	0.0
university or upper	80	186,250	63	78.0	0.0	100.0	7	7.9	0.0	83.7	8	12.0	0.0	100.0	2	2.1	0.0	19.0
no income	74	150,722	56	78.6	71.7	85.4	4	2.7	0.0	13.2	7	3.7	0.0	47.4	7	15.0	0.0	62.3
1-4,999 baht	614	900,965	448	71.0	70.1	71.8	59	9.3	8.8	9.8	66	12.5	0.0	27.2	41	7.2	0.0	23.3
5,000-9,999 baht	458	838,276	371	72.4	27.4	100.0	35	8.6	2.1	15.1	40	9.9	0.0	24.6	12	9.1	0.0	75.4
10,000 baht upper	411	701,262	348	83.9	24.3	100.0	24	6.9	0.0	34.6	32	7.4	0.0	35.1	7	1.7	0.0	5.9



Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 1 General health

Table 1.3 During the past 30 days, how many days did you has stress, depression, or problems with emotion? (MSICKDAY)

Variable	Frequency	WgtFreq	0 day				1-2 days				3-7 days				8-30 days			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,592	2,648,706	1399	85.8	62.0	100.0	63	3.6	2.3	4.9	85	6.6	2.8	10.5	45	3.9	0.0	22.6
municipal area	711	555,063	637	88.9	82.4	95.4	22	3.3	0.0	21.0	33	5.4	0.4	10.3	19	2.4	0.0	8.6
out municipal area	881	2,093,642	762	85.0	59.1	100.0	41	3.7	0.4	7.0	52	7.0	1.8	12.1	26	4.3	0.0	28.4
male	821	1,298,406	752	90.9	73.1	100.0	32	3.6	2.6	4.7	22	3.6	0.0	12.3	15	1.8	0.0	9.9
female	771	1,350,300	647	81.0	50.3	100.0	31	3.6	2.1	5.1	63	9.5	9.3	9.7	30	5.9	0.0	35.4
15-24 years	223	543,684	206	91.4	71.6	100.0	5	2.3	0.0	8.3	7	4.1	1.7	6.5	5	2.2	0.0	13.6
25-34 years	180	401,830	165	88.6	53.6	100.0	4	2.7	0.0	17.0	10	8.1	0.0	35.4	1	0.6	0.0	7.2
35-44 years	276	461,869	246	88.5	87.6	89.5	12	3.7	0.0	9.5	14	5.7	0.0	20.0	4	2.0	0.0	11.5
45-54 years	255	516,474	210	78.1	26.2	100.0	15	4.2	2.9	5.5	24	11.0	4.5	17.4	6	6.7	0.0	53.5
55-64 years	338	452,181	291	84.0	57.3	100.0	14	4.9	3.6	6.2	13	4.7	4.3	5.0	20	6.4	0.0	31.5
65-74 years	252	212,025	217	83.0	80.0	85.9	12	5.1	0.0	32.7	15	6.6	0.0	28.8	8	5.3	0.0	13.6
75-79 years	68	60,643	64	87.4	30.6	100.0	1	0.7	0.0	7.0	2	3.4	0.0	26.0	1	8.5	0.0	94.1
never attended school	62	111,533	51	75.9	34.1	100.0	2	1.1	0.0	5.1	4	7.8	5.7	9.8	5	15.3	0.0	59.1
pratoon 1-6	907	1,289,372	778	81.7	56.3	100.0	43	5.3	3.5	7.2	55	7.6	3.5	11.7	31	5.4	0.0	28.5
matayoom 1-6	482	911,660	446	91.9	66.2	100.0	12	1.7	0.0	8.5	15	4.4	0.0	14.7	9	1.9	0.0	10.6
college/certificate	61	149,891	52	85.1	45.4	100.0	6	6.5	0.0	14.9	3	8.4	0.0	39.7	0	0.0	0.0	0.0
university or upper	80	186,250	72	91.3	78.9	100.0	0	0.0	0.0	0.0	8	8.7	0.0	21.1	0	0.0	0.0	0.0
no income	74	150,722	66	76.5	0.0	100.0	1	0.3	0.0	3.4	5	20.9	0.0	100.0	2	2.3	0.0	29.1
1-4,999 baht	616	905,859	532	83.9	61.5	100.0	33	5.8	5.3	6.3	36	6.3	4.9	7.6	15	4.0	0.0	27.3
5,000-9,999 baht	458	838,276	401	85.6	66.1	100.0	15	3.3	0.0	9.8	28	6.3	0.0	15.8	14	4.7	0.0	27.2
10,000 baht upper	411	701,262	375	91.4	91.0	91.8	12	1.8	1.4	2.2	13	3.8	0.0	20.1	11	3.0	0.0	18.4

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 1 General health

Table 1.4 During the past 30 days, how many days did poor physical or mental health keep you from doing your usual activities? (DISABDAY)

Variable	Frequency	WgtFreq	0 day				1-2 days				3-7 days				8-30 days			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,592	2,648,706	1,570	98.8	95.0	100.0	9	0.6	0.3	0.9	5	0.1	0.0	0.7	8	0.6	0.0	4.1
municipal area	711	555,063	703	99.5	97.4	100.0	2	0.2	0.0	1.9	4	0.2	0.0	0.9	2	0.1	0.0	0.3
out municipal area	881	2,093,642	867	98.6	93.7	100.0	7	0.7	0.2	1.2	1	0.0	0.0	0.5	6	0.7	0.0	5.6
male	821	1,298,406	809	98.8	97.2	100.0	6	0.7	0.0	2.0	4	0.1	0.0	0.9	2	0.4	0.0	1.5
female	771	1,350,300	761	98.7	89.7	100.0	3	0.5	0.0	1.2	1	0.0	0.0	0.4	6	0.8	0.0	8.6
15-24 years	223	543,684	218	97.9	81.8	100.0	1	0.1	0.0	1.4	0	0.0	0.0	0.0	4	2.0	0.0	16.8
25-34 years	180	401,830	178	98.9	87.1	100.0	1	0.6	0.0	7.2	0	0.0	0.0	0.0	1	0.5	0.0	5.6
35-44 years	276	461,869	276	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
45-54 years	255	516,474	253	99.1	96.0	100.0	2	0.9	0.0	4.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
55-64 years	338	452,181	331	99.0	91.3	100.0	2	0.2	0.1	0.3	2	0.3	0.0	3.4	3	0.5	0.0	5.2
65-74 years	252	212,025	249	99.1	92.2	100.0	1	0.6	0.0	7.6	2	0.3	0.2	0.3	0	0.0	0.0	0.0
75-79 years	68	60,643	65	90.3	16.4	100.0	2	9.4	0.0	85.7	1	0.3	0.0	2.7	0	0.0	0.0	0.0
never attended school	62	111,533	60	95.0	87.9	100.0	2	5.0	0.0	12.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0
pratoon 1-6	907	1,289,372	895	99.1	95.9	100.0	4	0.4	0.0	1.5	4	0.1	0.0	1.1	4	0.3	0.0	3.5
matayoom 1-6	482	911,660	474	98.3	88.8	100.0	3	0.4	0.0	5.0	1	0.0	0.0	0.3	4	1.2	0.0	5.8
college/certificate	61	149,891	61	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
university or upper	80	186,250	80	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
no income	74	150,722	72	99.4	92.3	100.0	2	0.6	0.0	7.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0
1-4,999 baht	616	905,859	603	97.5	90.4	100.0	5	1.4	0.0	5.0	3	0.2	0.0	1.8	5	0.9	0.0	9.9
5,000-9,999 baht	458	838,276	456	99.4	97.5	100.0	1	0.1	0.0	1.7	0	0.0	0.0	0.0	1	0.4	0.0	4.0
10,000 baht upper	411	701,262	406	99.3	95.0	100.0	1	0.1	0.0	0.7	2	0.1	0.0	0.2	2	0.5	0.0	5.6

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 10 Diabetes

Table 10.1 How long have you been checked your blood sugar for diabetes by doctors, nurses, or public health personals? (LASTBLSU)

Variable	Frequency	WgtFreq	Within past 1 year ago				Within past 1 to 2 years ago				More than 2 year ago				Never			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,591	2,650,125	1,121	64.2	0.0	100.0	67	4.2	0.0	14.9	38	1.9	1.3	2.6	365	1.9	0.0	100.0
municipal area	709	553,300	504	73.1	0.0	100.0	40	5.0	0.0	21.7	22	3.0	0.0	17.9	143	18.9	0.0	62.3
out municipal area	882	2,096,825	617	61.8	0.0	100.0	27	3.9	0.0	13.8	16	1.7	0.0	5.6	222	32.6	0.0	100.0
male	822	1,301,588	515	57.5	0.0	100.0	30	3.4	0.0	16.1	22	2.5	1.8	3.2	255	36.6	0.0	100.0
female	769	1,348,536	606	70.6	0.0	100.0	37	4.9	0.0	14.0	16	1.4	0.0	3.4	110	23.1	0.0	100.0
15-24 years	222	542,911	54	24.0	0.0	100.0	5	3.0	0.0	6.2	6	2.1	0.0	14.4	157	71.0	10.3	100.0
25-34 years	180	401,830	82	49.0	6.0	92.0	13	8.8	0.0	45.9	5	1.1	0.0	13.3	80	41.1	23.1	59.2
35-44 years	275	460,879	190	68.4	5.4	100.0	14	5.7	0.0	27.4	7	1.9	0.0	5.9	64	24.0	0.0	61.3
45-54 years	256	519,254	217	84.1	32.5	100.0	10	2.1	0.0	4.8	7	2.6	0.0	10.0	22	11.2	0.0	67.4
55-64 years	338	452,181	299	85.1	9.4	100.0	15	3.2	0.0	19.0	9	1.5	0.3	2.7	15	10.2	0.0	71.2
65-74 years	253	213,227	224	87.8	59.5	100.0	9	2.5	0.0	9.1	3	2.0	0.0	7.8	17	7.7	0.0	37.0
75-79 years	67	59,843	55	82.3	36.8	100.0	1	2.7	0.0	28.9	1	3.9	0.0	41.5	10	11.2	0.0	29.5
never attended school	62	111,533	52	81.3	58.4	100.0	2	0.7	0.0	9.0	1	0.6	0.0	2.2	7	17.3	0.0	46.9
pratoon 1-6	908	1,292,554	741	77.2	13.8	100.0	36	3.9	0.0	13.2	19	2.1	1.8	2.4	112	16.8	0.0	70.6
matayoom 1-6	481	910,887	244	48.3	0.0	100.0	22	4.2	0.0	14.4	14	1.5	0.0	6.7	201	46.1	0.0	100.0
college/certificate	60	148,901	35	52.5	0.0	100.0	2	1.3	0.0	21.1	2	5.0	0.0	30.3	21	41.2	0.0	100.0
university or upper	80	186,250	49	50.4	0.0	100.0	5	10.0	0.0	96.8	2	1.4	0.0	14.3	24	38.3	0.0	100.0
no income	74	150,722	39	46.8	0.0	100.0	6	16.9	0.0	100.0	3	5.9	0.0	52.4	26	30.4	0.0	62.9
1-4,999 baht	616	908,268	459	64.6	0.0	100.0	17	2.2	0.0	9.3	8	0.9	0.0	2.8	132	32.3	0.0	100.0
5,000-9,999 baht	458	838,276	314	64.0	0.0	100.0	25	4.9	0.0	12.6	13	1.8	0.0	16.4	106	29.3	0.0	100.0
10,000 baht upper	410	700,271	292	69.2	0.0	100.0	15	1.7	0.0	5.2	12	2.4	0.0	6.4	91	26.7	0.0	100.0

## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 10 Diabetes

Table 10.2 Have you ever been told by doctors, nurses, or public health persons that you have diabetes? (DIABETS)

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,220	1,850,873	97	5.9	0.0	30.1	1123	94.1	69.9	100.0
municipal area	565	449,250	52	7.8	0.0	19.0	513	92.2	81.0	100.0
out municipal area	655	1,401,622	45	5.2	0.0	32.0	610	94.8	68.0	100.0
male	563	815,928	42	4.5	0.0	15.5	521	95.5	84.5	100.0
female	657	1,034,945	55	6.9	0.0	41.3	602	93.1	58.7	100.0
15-24 years	66	158,189	0	0.0	0.0	0.0	66	100.0	100.0	100.0
25-34 years	99	234,121	1	2.1	0.0	24.3	98	97.9	75.7	100.0
35-44 years	209	343,508	2	0.9	0.0	7.7	207	99.1	92.3	100.0
45-54 years	233	460,873	22	8.9	0.0	52.0	211	91.1	48.0	100.0
55-64 years	321	404,541	34	6.6	0.0	37.5	287	93.4	62.5	100.0
65-74 years	235	196,475	28	12.3	0.0	35.3	207	87.7	64.7	100.0
75-79 years	57	53,166	10	15.7	0.0	82.9	47	84.3	17.1	100.0
never attended school	55	92,188	4	3.3	1.1	5.5	51	96.7	94.5	98.9
pratoon 1-6	792	1,073,495	76	7.4	0.0	42.4	716	92.6	57.6	100.0
matayoom 1-6	277	481,649	13	4.2	0.8	7.7	264	95.8	92.3	99.2
college/certificate	40	88,599	1	0.4	0.0	4.8	39	99.6	95.2	100.0
university or upper	56	114,942	3	4.8	0.0	43.0	53	95.2	57.0	100.0
no income	47	104,570	6	11.3	0.0	100.0	41	88.7	0.0	100.0
1-4,999 baht	482	610,980	50	7.3	0.0	40.6	432	92.7	59.4	100.0
5,000-9,999 baht	351	591,559	21	3.9	0.0	24.5	330	96.1	75.5	100.0
10,000 baht upper	318	508,502	18	4.8	1.2	8.4	300	95.2	91.6	98.8

## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 10 Diabetes

Table 10.3 How many times have you seen doctors, nurses, or public health personals for diabetes treatment for the last 12 month? (FRECARDI)

variable	Frequency	WgtFreq	Never				One or two times per year				Three or four times per year				Five or six times per year				More than six times per year			
			Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl
overall	99	111,281	9	10.6	0.0	32.8	6	8.9	0.0	100.0	28	21.1	17.4	24.9	34	33.4	12.0	54.8	22	25.9	0.0	99.4
municipal area	53	35,367	4	7.1	0.0	34.3	3	10.0	0.0	100.0	15	19.6	0.0	100.0	22	49.0	0.0	100.0	9	14.3	0.0	71.0
out municipal area	46	75,915	5	12.2	0.0	29.9	3	8.3	0.0	100.0	13	21.8	0.0	63.9	12	26.2	0.0	55.8	13	31.4	0.0	100.0
male	42	36,883	4	10.5	0.0	21.0	4	18.3	0.0	100.0	10	18.0	0.0	42.5	13	25.2	0.0	100.0	11	28.0	0.0	100.0
female	57	74,398	5	10.6	0.0	49.0	2	4.2	0.0	68.4	18	22.7	0.0	45.5	21	37.5	18.7	56.4	11	24.9	0.0	92.3
15-24 years	2	7,385	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	66.0	66.0	66.0	1	34.0	34.0	34.0
25-34 years	2	3,069	1	81.9	81.9	81.9	0	0.0	0.0	0.0	1	18.1	18.1	18.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0
35-44 years	23	41,576	2	5.8	0.0	37.3	4	19.4	0.0	100.0	5	18.6	0.0	39.0	5	26.2	0.0	100.0	7	30.0	0.0	100.0
45-54 years	35	27,403	1	6.2	0.0	96.8	0	0.0	0.0	0.0	14	33.1	0.0	100.0	13	30.8	16.0	45.6	7	29.9	0.0	100.0
55-64 years	27	23,496	3	8.0	0.0	48.2	1	4.7	0.0	56.1	7	24.4	0.0	99.7	12	52.3	0.0	100.0	4	10.7	0.0	49.7
65-74 years	10	8,352	2	39.4	0.0	100.0	1	8.4	0.0	52.4	1	5.2	0.0	32.6	3	8.7	0.0	97.8	3	38.2	0.0	100.0
75-79 years	4	3,067	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	22.8	0.0	81.4	1	10.7	0.0	38.2	2	66.5	0.0	100.0
never attended school	77	79,372	5	9.3	4.4	14.1	4	6.2	0.0	79.5	25	27.0	22.3	31.8	27	31.4	11.4	51.4	16	26.1	0.0	100.0
pratoon 1-6	14	22,970	3	16.7	0.0	100.0	2	21.5	0.0	100.0	1	3.2	0.0	44.8	4	31.8	0.0	100.0	4	26.8	0.0	100.0
matayoom 1-6	1	326	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	100.0	100.0	100.0	0	0.0	0.0	0.0
college/certificate	3	5,547	1	11.0	11.0	11.0	0	0.0	0.0	0.0	1	11.0	11.0	11.0	1	77.9	77.9	77.9	0	0.0	0.0	0.0
university or upper	7	12,214	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	6	96.7	96.7	96.7	1	3.3	3.3	3.3
no income	50	46,169	5	15.9	0.0	82.4	1	1.5	0.0	7.9	15	20.4	0.0	100.0	13	22.0	0.0	70.6	16	40.2	0.0	100.0
1-4,999 baht	22	23,696	1	7.2	0.0	100.0	1	4.6	0.0	72.6	8	42.7	0.0	100.0	11	27.3	0.0	59.1	1	18.2	0.0	100.0
5,000-9,999 baht	18	24,356	3	11.3	0.0	80.3	3	14.6	0.0	100.0	5	16.5	0.0	69.7	4	36.1	27.5	44.6	3	21.6	0.0	71.0
10,000 baht upper	12	32,407	0	0.0	0.0	0.0	0	0.0	0.0	0.0	7	56.3	53.2	59.5	3	34.3	0.0	75.6	2	9.3	0.0	53.8



Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 10 Diabetes

Table 10.4 How many times did you have your feet checked for any sores or irritations by doctors or nurses in the past 12 months? (FEETCHK)

Variable	Frequency	WgtFreq	Never				One or two times per year				Three or four times per year				Five or six times per year			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	99	111,281	32	28.9	1.0	56.7	49	59.0	21.8	96.3	14	9.4	0.0	33.7	4	2.7	0.0	17.6
municipal area	53	35,367	23	62.5	14.8	100.0	22	26.2	0.0	77.4	8	11.3	7.8	14.7	0	0.0	0.0	0.0
out municipal area	46	75,915	9	13.2	9.5	16.8	27	74.3	65.2	83.4	6	8.6	0.0	41.4	4	4.0	0.0	24.0
male	42	36,883	17	40.2	0.0	96.0	18	44.5	43.5	45.5	6	13.5	0.0	84.9	1	1.9	0.0	16.6
female	57	74,398	15	23.3	0.0	74.5	31	66.2	34.2	98.2	8	7.4	1.9	12.9	3	3.1	0.0	16.9
15-24 years	2	7,385	1	66.0	66.0	66.0	1	34.0	34.0	34.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
25-34 years	2	3,069	1	18.1	18.1	18.1	1	81.9	81.9	81.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0
35-44 years	23	41,576	10	31.3	0.0	69.1	10	61.9	0.0	100.0	3	6.8	0.0	48.5	0	0.0	0.0	0.0
45-54 years	35	27,403	10	23.3	0.0	100.0	17	52.3	0.0	100.0	5	16.8	0.0	53.7	3	7.6	0.0	46.8
55-64 years	27	23,496	5	8.5	1.0	16.1	16	76.4	35.5	100.0	5	11.1	0.0	78.8	1	4.0	0.0	38.3
65-74 years	10	8,352	5	63.2	0.0	100.0	4	31.5	0.0	100.0	1	5.2	0.0	32.6	0	0.0	0.0	0.0
75-79 years	4	3,067	2	23.7	0.0	100.0	1	53.4	0.0	100.0	1	22.8	0.0	81.4	0	0.0	0.0	0.0
never attended school	77	79,372	24	29.5	0.0	96.4	38	55.5	0.0	100.0	11	11.1	0.0	35.6	4	3.8	0.0	23.1
pratoon 1-6	14	22,970	5	31.9	0.0	100.0	8	66.6	0.0	100.0	1	1.5	0.0	20.6	0	0.0	0.0	0.0
matayoom 1-6	1	326	0	0.0	0.0	0.0	1	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
college/certificate	3	5,547	1	11.0	11.0	11.0	1	77.9	77.9	77.9	1	11.0	11.0	11.0	0	0.0	0.0	0.0
university or upper	7	12,214	3	71.5	71.5	71.5	4	28.5	28.5	28.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0
no income	50	46,169	10	18.3	12.4	24.1	27	60.3	59.4	61.2	9	14.9	0.0	37.2	4	6.5	0.0	33.8
1-4,999 baht	22	23,696	12	32.3	0.0	100.0	10	67.7	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
5,000-9,999 baht	18	24,356	6	28.5	0.0	62.3	7	56.6	0.0	100.0	5	14.9	0.0	76.8	0	0.0	0.0	0.0
10,000 baht upper	11	28,443	4	45.7	25.9	65.6	3	18.3	0.0	93.2	3	29.9	0.0	68.0	1	6.1	0.0	23.1

## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 10 Diabetes

Table 10.5 How many times in the past 12 months has a health professional checked your blood for renal function test and other diabetes complications? (RENALCHK)

variable	Frequency	WgtFreq	Every 1 to 3 months				Every 4 to 6 months				Every 7 to 12 months				Once a year or longer				Never			
			Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl
overall	94	109,021	31	30.0	13.4	46.7	12	10.7	0.0	21.8	25	37.4	35.1	39.8	17	14.0	12.2	15.8	9	7.8	2.8	12.8
municipal area	49	33,506	14	34.1	0.0	100.0	8	13.9	0.0	55.2	14	34.7	0.0	77.0	8	10.0	0.0	58.7	5	7.3	0.0	74.0
out municipal area	45	75,515	17	28.2	9.4	47.0	4	9.3	5.2	13.4	11	38.7	24.8	52.6	9	15.8	0.0	37.1	4	8.0	0.0	30.2
male	38	35,178	16	45.1	0.0	92.2	5	17.0	0.0	34.1	7	19.2	0.0	100.0	8	15.5	0.0	100.0	2	3.2	2.6	3.8
female	56	73,843	15	22.8	0.0	47.0	7	7.7	0.0	23.0	18	46.2	0.0	96.2	9	13.3	0.0	57.8	7	10.0	0.0	24.4
15-24 years																						
25-34 years	2	7,385	1	66.0	66.0	66.0	0	0.0	0.0	0.0	1	34.0	34.0	34.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
35-44 years	1	2,514	1	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
45-54 years	23	41,576	6	10.9	0.0	24.5	3	15.9	8.3	23.5	9	59.8	21.0	98.7	3	10.6	0.0	68.2	2	2.8	0.0	42.7
55-64 years	33	26,128	12	49.0	0.0	100.0	6	12.9	0.0	92.1	7	18.3	0.0	46.0	5	15.0	0.0	86.6	3	4.8	0.0	36.3
65-74 years	25	23,066	9	28.8	0.0	100.0	2	3.2	2.8	3.6	5	28.3	0.0	100.0	7	26.4	0.0	100.0	2	13.4	0.0	66.3
75-79 years	10	8,352	2	16.9	0.0	100.0	1	11.4	0.0	71.1	3	25.4	0.0	100.0	2	10.0	5.2	14.9	2	36.3	0.0	100.0
never attended school	3	2,667	0	0.0	0.0	0.0	1	26.2	26.2	26.2	2	73.8	73.8	73.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0
pratoon 1-6	74	77,757	23	26.5	1.5	51.5	9	9.9	0.0	40.5	18	34.4	0.0	87.7	17	19.6	12.3	26.9	7	9.5	0.0	19.0
matayoom 1-6	13	22,725	6	47.9	0.0	100.0	1	12.8	0.0	100.0	4	34.1	0.0	100.0	0	0.0	0.0	0.0	2	5.1	0.0	70.5
college/certificate	1	326	0	0.0	0.0	0.0	1	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
university or upper	3	5,547	2	22.1	22.1	22.1	0	0.0	0.0	0.0	1	77.9	77.9	77.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0
no income	6	11,814	1	41.2	41.2	41.2	0	0.0	0.0	0.0	4	52.2	52.2	52.2	1	6.6	6.6	6.6	0	0.0	0.0	0.0
1-4,999 baht	49	45,923	20	43.0	36.8	49.3	6	8.4	0.0	44.1	11	26.9	8.1	45.7	9	13.4	0.0	59.6	3	8.2	6.1	10.4
5,000-9,999 baht	19	22,081	5	22.1	0.0	100.0	2	10.2	0.0	37.5	5	45.3	0.0	100.0	3	6.2	0.0	34.6	4	16.2	6.7	25.7
10,000 baht upper	18	24,356	5	13.2	0.0	98.3	4	22.9	0.0	57.1	3	30.6	23.3	37.9	4	28.5	0.0	100.0	2	4.8	0.0	58.2
	9	21,160	3	37.8	0.0	100.0	0	0.0	0.0	0.0	2	21.9	1.2	42.5	2	29.6	21.3	37.9	2	10.7	0.0	100.0





Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 10 Diabetes

Table 10.6 When was the last time you had an eye exam in which the pupils were dilated? (This would have made you temporarily sensitive to bright light.) (EYEEXAM)

Variable	Frequency	WgtFreq	Within 1 year ago				Within 1 to 2 years ago				More than 2 years ago				Never			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	98	106,958	57	57.2	24.3	90.1	21	31.8	28.0	35.7	1	2.2	0.0	14.6	19	8.8	0.0	58.0
municipal area	53	35,367	27	51.1	38.7	63.5	11	31.2	0.0	100.0	0	0.0	0.0	0.0	15	17.7	0.0	100.0
out municipal area	45	71,592	30	60.2	8.3	100.0	10	32.1	0.0	91.3	1	3.2	0.0	20.7	4	4.4	0.0	14.5
male	42	36,883	22	46.7	26.2	67.2	7	36.7	14.6	58.7	0	0.0	0.0	0.0	13	16.7	0.0	59.2
female	56	70,075	35	62.8	39.7	85.8	14	29.3	27.5	31.1	1	3.3	0.0	19.0	6	4.7	0.0	45.2
15-24 years	2	7,385	1	34.0	34.0	34.0	1	66.0	66.0	66.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
25-34 years	2	3,069	1	81.9	81.9	81.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	18.1	18.1	18.1
35-44 years	23	41,576	14	54.0	33.7	74.3	7	43.2	23.6	62.9	0	0.0	0.0	0.0	2	2.8	0.0	42.7
45-54 years	34	23,080	21	68.6	0.0	100.0	5	12.9	11.2	14.7	0	0.0	0.0	0.0	8	18.5	0.0	100.0
55-64 years	27	23,496	15	59.7	0.0	100.0	5	28.7	0.0	100.0	0	0.0	0.0	0.0	7	11.6	0.0	56.4
65-74 years	10	8,352	5	46.3	0.0	100.0	3	17.4	4.1	30.7	1	27.8	0.0	100.0	1	8.4	0.0	52.4
75-79 years	4	3,067	2	66.5	0.0	100.0	2	33.5	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
never attended school	76	75,049	45	62.3	53.2	71.4	15	24.4	2.1	46.7	1	3.1	0.0	19.8	15	10.2	0.0	58.3
pratoon 1-6	14	22,970	7	47.3	0.0	100.0	3	45.1	0.0	100.0	0	0.0	0.0	0.0	4	7.5	0.0	83.2
matayoom 1-6	1	326	1	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
college/certificate	3	5,547	2	22.1	22.1	22.1	1	77.9	77.9	77.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0
university or upper	7	12,214	4	50.7	50.7	50.7	3	49.3	49.3	49.3	0	0.0	0.0	0.0	0	0.0	0.0	0.0
no income	49	41,845	29	66.9	64.8	69.0	10	19.0	0.0	46.4	1	5.6	0.0	31.2	9	8.5	0.0	59.4
1-4,999 baht	22	23,696	13	63.5	49.5	77.5	3	23.2	0.0	100.0	0	0.0	0.0	0.0	6	13.3	0.0	100.0
5,000-9,999 baht	18	24,356	11	49.0	24.6	73.5	4	41.2	6.0	76.4	0	0.0	0.0	0.0	3	9.8	0.0	20.6
10,000 baht upper	12	32,407	4	57.0	0.0	100.0	4	27.5	27.3	27.7	0	0.0	0.0	0.0	4	15.5	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 11 injury

Table 11.1 In the last 12 months, how often did you use helmet when you rode a motorcycle? (HELMET)

Variable	Frequency	WgtFreq	Never				Rarely				Sometimes				Almost every time				Every time			
			Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl
overall	1,211	2,201,004	78	6.4	5.5	7.3	134	9.7	3.6	15.8	660	57.5	15.5	99.5	95	6.6	4.3	8.9	244	19.8	0.0	58.9
municipal area	549	449,658	24	3.4	0.0	17.5	59	13.4	0.0	69.4	287	45.5	20.7	70.3	48	7.5	0.0	44.6	131	30.1	0.0	100.0
out municipal area	662	1,751,345	54	7.2	2.7	11.8	75	8.7	0.0	28.2	373	60.5	22.3	98.8	47	6.4	0.3	12.4	113	17.2	9.0	25.3
male	693	1,160,803	51	7.1	6.8	7.4	82	11.5	10.4	12.5	392	61.4	17.6	100.0	57	6.6	0.5	12.8	111	13.4	0.0	62.6
female	518	1,040,201	27	5.7	4.2	7.2	52	7.7	0.0	19.8	268	53.1	13.8	92.3	38	6.5	4.5	8.5	133	27.0	0.5	53.6
15-24 years	211	516,349	16	7.2	0.0	45.6	30	10.2	0.0	33.9	116	58.7	8.4	100.0	14	7.2	0.0	43.9	35	16.7	0.0	41.6
25-34 years	173	388,124	13	8.3	2.3	14.4	12	5.4	0.0	16.3	97	56.3	17.0	95.5	13	4.0	0.0	25.6	38	26.0	25.2	26.7
35-44 years	262	438,959	14	7.4	0.0	39.1	22	10.1	3.9	16.4	161	57.3	43.6	71.0	19	8.0	7.2	8.8	46	17.2	4.7	29.7
45-54 years	226	455,467	8	1.7	0.2	3.2	27	9.4	0.0	20.9	127	61.7	0.0	100.0	16	6.9	0.0	22.8	48	20.4	0.0	82.5
55-64 years	222	301,849	18	7.4	0.8	13.9	30	14.2	0.0	59.0	108	54.5	17.1	92.0	22	6.6	0.0	14.4	44	17.3	0.0	100.0
65-74 years	109	92,868	9	10.7	0.0	69.4	12	9.3	0.0	29.2	48	46.8	11.9	81.6	10	6.3	3.1	9.4	30	27.0	0.0	97.5
75-79 years	8	7,387	0	0.0	0.0	0.0	1	7.7	0.0	52.9	3	34.9	0.0	100.0	1	4.3	0.0	64.5	3	53.1	0.0	100.0
never attended school	26	54,063	4	4.5	0.0	12.6	7	20.1	0.0	100.0	10	47.1	43.9	50.3	0	0.0	0.0	0.0	5	28.4	0.0	100.0
pratoon 1-6	596	965,437	35	6.4	0.0	23.1	75	11.8	2.6	20.9	322	56.0	12.9	99.1	53	7.4	0.0	21.2	111	18.4	0.0	73.6
matayoom 1-6	451	854,882	32	7.4	0.0	19.0	47	9.1	0.3	17.9	258	62.3	23.4	100.0	35	7.0	0.0	28.4	79	14.3	0.0	54.2
college/certificate	60	142,871	3	2.3	0.0	14.5	2	1.8	0.0	18.7	37	63.4	19.6	100.0	4	7.5	0.0	24.5	14	25.0	0.0	56.6
university or upper	78	183,751	4	5.9	0.0	20.2	3	4.6	0.0	49.0	33	41.3	0.0	100.0	3	1.7	0.0	13.3	35	46.6	0.0	99.3
no income	52	113,562	3	5.2	0.0	12.1	5	6.2	0.0	54.7	25	57.2	0.0	100.0	3	5.2	0.0	42.4	16	26.2	0.0	100.0
1-4,999 baht	353	632,506	26	6.8	4.1	9.5	46	12.7	1.2	24.1	190	57.4	11.0	100.0	30	8.3	6.1	10.5	61	14.8	0.0	54.6
5,000-9,999 baht	407	778,923	32	9.1	2.4	15.8	47	8.6	0.0	18.2	227	58.3	24.3	92.2	25	4.5	0.0	14.2	76	19.6	0.0	60.2
10,000 baht upper	374	640,521	15	2.9	0.0	13.2	32	7.9	6.9	8.9	208	58.0	26.9	89.2	35	7.3	0.0	18.3	84	23.9	0.0	54.7



## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 11 injury

Table 11.2 In the last 12 months, How often did you use helmet when you were a motorcycle passenger? (HELMETPA)

Variable	Frequency	WgtFreq	Never				Rarely				Sometimes				Almost every time				Every time			
			Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl
overall	1,268	2,268,099	351	29.2	2.1	56.2	147	10.4	0.0	28.1	530	44.0	4.0	84.0	75	4.2	0.3	8.1	165	12.2	0.0	65.5
municipal area	556	456,915	143	23.2	0.0	97.7	67	14.4	0.0	42.8	221	35.5	7.6	63.4	38	6.4	0.0	51.8	87	20.4	0.0	100.0
out municipal area	712	1,811,184	208	30.6	20.3	41.0	80	9.4	0.0	35.5	309	46.1	0.0	96.4	37	3.7	0.0	8.5	78	10.1	0.0	39.9
male	637	1,079,556	192	33.0	0.0	74.0	70	10.1	0.0	39.5	274	44.9	9.3	80.5	39	4.4	3.9	4.9	62	7.6	0.0	55.3
female	631	1,188,543	159	25.6	12.6	38.7	77	10.8	4.0	17.5	256	43.2	0.0	86.9	36	4.1	0.0	10.9	103	16.4	0.0	73.2
15-24 years	210	511,711	85	42.9	25.5	60.4	19	6.2	0.0	19.7	74	39.6	0.0	100.0	11	3.0	0.0	8.3	21	8.2	0.0	43.3
25-34 years	165	372,609	42	23.8	0.0	53.7	18	11.9	0.0	26.0	73	46.0	0.0	100.0	10	3.4	0.0	17.8	22	14.8	12.9	16.8
35-44 years	245	420,131	54	25.9	0.0	59.0	32	10.5	0.0	39.5	115	44.7	43.7	45.6	12	4.3	0.0	29.9	32	14.6	0.0	43.3
45-54 years	210	442,356	42	15.9	3.4	28.4	21	8.5	0.0	52.2	107	58.3	0.0	100.0	11	5.0	0.0	10.4	29	12.3	0.0	100.0
55-64 years	254	361,960	64	32.2	0.0	100.0	43	17.1	15.6	18.5	96	34.3	10.2	58.4	20	5.2	0.0	13.3	31	11.2	0.0	75.3
65-74 years	155	130,763	51	33.7	3.8	63.7	8	6.1	0.0	40.0	60	38.5	20.0	56.9	11	6.2	0.0	31.5	25	15.4	0.0	100.0
75-79 years	29	28,570	13	45.8	16.6	75.0	6	31.8	0.0	100.0	5	12.9	0.0	27.6	0	0.0	0.0	0.0	5	9.6	0.0	98.1
never attended school	46	95,516	20	47.7	0.0	100.0	10	18.2	0.0	67.4	11	26.8	0.0	72.7	4	6.7	0.0	27.0	1	0.6	0.0	10.9
pratoon 1-6	667	1,033,570	168	25.0	0.0	65.6	78	12.3	11.3	13.4	285	43.9	14.4	73.5	42	4.6	0.7	8.5	94	14.1	0.0	79.3
matayoom 1-6	428	832,691	135	33.3	31.7	35.0	47	8.1	0.0	24.0	174	45.4	0.0	95.1	26	4.4	0.0	24.2	46	8.8	0.0	64.0
college/certificate	55	137,363	10	21.8	0.0	98.4	5	7.4	0.0	100.0	34	63.5	24.0	100.0	0	0.0	0.0	0.0	6	7.2	0.0	27.8
university or upper	72	168,957	18	29.6	0.0	62.9	7	8.4	0.0	75.4	26	31.4	0.0	100.0	3	2.7	0.0	30.5	18	27.9	0.0	65.6
no income	58	128,575	15	37.8	0.0	100.0	5	5.8	0.0	14.1	19	36.4	0.0	74.6	4	2.9	0.0	25.6	15	17.1	0.0	100.0
1-4,999 baht	442	728,434	137	32.2	1.3	63.0	47	10.8	0.5	21.1	181	42.1	6.9	77.2	27	5.7	0.3	11.1	50	9.4	0.0	80.3
5,000-9,999 baht	395	764,162	112	31.4	0.0	100.0	45	10.2	0.0	40.1	166	43.1	31.3	54.8	20	2.8	2.2	3.3	52	12.6	0.0	53.5
10,000 baht upper	350	605,721	76	20.5	0.0	100.0	47	10.7	0.0	41.2	155	49.0	0.0	100.0	24	4.8	0.0	25.0	48	14.9	0.0	38.5



## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 11 injury

Table 11.3 In the past 12 months, how often did you fasten safety belt when you drove a car? (SEATBELT)

Variable	Frequency	WgtFreq	Never				Rarely				Sometimes				Almost every time				Every time			
			Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl
overall	554	996,982	16	2.5	0.0	14.7	28	5.0	0.0	14.4	181	38.8	0.0	100.0	86	13.3	0.0	34.6	243	40.4	0.0	100.0
municipal area	247	196,867	2	2.1	0.0	20.3	12	3.9	0.0	18.1	73	27.6	0.2	54.9	44	16.0	0.0	73.6	116	50.5	0.0	100.0
out municipal area	307	800,115	14	2.6	0.0	13.7	16	5.3	0.0	12.4	108	41.6	0.0	100.0	42	12.7	0.0	50.9	127	37.9	0.0	100.0
male	417	739,778	10	2.7	0.0	13.9	18	4.2	0.0	10.8	142	40.0	0.0	100.0	68	14.3	0.0	32.8	179	38.8	0.0	100.0
female	137	257,204	6	1.8	0.0	17.2	10	7.4	0.0	25.5	39	35.2	0.0	100.0	18	10.6	0.0	40.6	64	44.9	0.0	100.0
15-24 years	66	182,199	1	1.2	0.0	5.3	3	3.1	0.0	13.4	32	54.2	0.0	100.0	6	9.0	0.0	18.2	24	32.5	0.0	100.0
25-34 years	113	253,077	0	0.0	0.0	0.0	6	2.4	0.0	12.8	39	49.1	0.0	100.0	17	10.1	0.0	46.5	51	38.4	13.9	62.8
35-44 years	135	220,000	4	5.5	0.0	21.4	4	3.0	0.0	30.1	45	28.2	0.0	100.0	27	21.2	12.6	29.8	55	42.1	0.0	100.0
45-54 years	99	186,379	2	2.0	0.0	23.9	5	9.2	0.0	53.5	29	36.4	0.0	100.0	17	11.9	0.0	62.1	46	40.4	0.0	100.0
55-64 years	94	115,601	3	1.2	0.0	12.9	7	9.9	0.0	99.7	19	17.2	0.0	41.3	16	16.3	11.4	21.2	49	55.4	0.0	100.0
65-74 years	35	28,661	1	2.5	0.0	17.3	3	10.5	0.0	38.5	14	40.5	28.3	52.8	2	5.9	0.0	40.6	15	40.5	6.6	74.4
75-79 years	12	11,064	5	40.1	0.0	100.0	0	0.0	0.0	0.0	3	20.5	0.0	100.0	1	14.8	0.0	100.0	3	24.6	0.0	100.0
never attended school	7	13,184	1	3.0	0.0	60.9	1	22.7	9.1	36.3	2	11.2	4.5	17.9	0	0.0	0.0	0.0	3	63.1	25.4	100.0
pratoon 1-6	240	353,870	11	3.3	0.0	29.5	14	8.0	0.0	39.4	89	39.0	0.0	100.0	37	13.3	0.0	28.8	89	36.4	0.0	100.0
matayoom 1-6	204	395,348	2	1.5	0.0	15.0	8	3.8	0.0	11.1	62	39.6	0.0	100.0	40	17.8	0.0	40.3	92	37.4	0.0	100.0
college/certificate	42	92,410	0	0.0	0.0	0.0	3	2.8	0.0	6.1	14	49.8	0.0	100.0	5	11.3	0.0	40.7	20	36.1	0.0	100.0
university or upper	61	142,170	2	4.7	0.0	55.8	2	0.9	0.0	10.3	14	31.4	10.6	52.2	4	3.6	0.0	13.1	39	59.4	10.2	100.0
no income	19	43,273	1	0.9	0.0	12.6	2	3.0	0.5	5.4	4	21.6	0.0	81.9	3	15.4	0.0	100.0	9	59.1	25.6	92.6
1-4,999 baht	105	174,906	9	5.9	0.0	22.0	10	7.5	0.0	31.9	39	45.6	0.0	100.0	5	7.6	0.0	58.8	42	33.4	0.0	100.0
5,000-9,999 baht	172	320,200	2	1.3	0.0	7.4	5	3.9	0.0	18.2	62	41.1	0.0	100.0	27	11.8	0.0	46.5	76	41.9	0.0	100.0
10,000 baht upper	250	444,005	4	2.2	0.0	25.9	10	4.2	0.0	16.3	75	37.2	0.0	100.0	51	16.9	0.0	68.1	110	39.5	0.0	100.0





## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 11 injury

Table11.4 How often did you fasten safety belt when you sat beside a driver in a car?(SEATBEPA)

Variable	Frequency	WgtFreq	Never				Rarely				Sometimes				Almost every time				Every time			
			Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl
overall	1,117	1,991,605	104	8.5	0.0	22.5	99	7.8	0.0	15.8	361	33.7	0.0	92.1	133	10.2	2.9	17.5	420	39.8	0.0	84.9
municipal area	506	418,778	43	9.4	0.0	36.5	48	7.8	0.0	26.8	170	30.6	0.0	82.1	57	9.9	0.0	26.6	188	42.3	0.0	100.0
out municipal area	611	1,572,827	61	8.3	0.0	18.1	51	7.9	2.9	12.8	191	34.5	0.0	92.3	76	10.2	0.0	24.1	232	39.1	0.0	78.3
male	584	982,000	52	7.7	3.5	12.0	49	8.6	0.0	22.2	209	39.6	0.0	100.0	75	11.4	4.5	18.3	199	32.6	0.0	100.0
female	533	1,009,605	52	9.3	0.0	32.6	50	7.1	4.7	9.5	152	27.9	0.0	60.7	58	9.0	1.1	16.8	221	46.7	42.7	50.8
15-24 years	181	452,849	19	11.4	0.0	27.2	15	8.4	0.0	33.6	67	39.8	0.0	100.0	19	8.5	0.0	29.5	61	31.8	0.0	86.0
25-34 years	156	363,453	15	8.7	0.0	57.9	11	4.1	0.0	29.3	54	41.4	0.0	100.0	17	6.6	0.0	38.3	59	39.2	35.9	42.5
35-44 years	219	364,390	15	6.7	0.0	17.4	15	7.1	0.0	20.7	77	33.2	0.0	81.6	26	12.1	8.1	16.1	86	40.9	0.0	100.0
45-54 years	181	372,139	15	5.9	0.0	52.9	11	7.1	2.1	12.0	53	27.8	0.0	93.1	24	9.2	1.1	17.3	78	50.1	18.8	81.5
55-64 years	217	286,021	18	6.3	0.0	17.9	26	12.1	0.0	56.8	62	26.9	20.8	33.0	30	13.9	4.2	23.5	81	40.7	4.1	77.4
65-74 years	130	118,005	15	11.1	0.0	56.5	14	10.1	6.1	14.2	44	29.9	0.0	82.8	12	10.4	4.2	16.7	45	38.4	28.7	48.1
75-79 years	33	34,748	7	27.0	0.0	69.3	7	13.3	0.0	59.5	4	8.0	0.0	17.1	5	28.1	0.0	100.0	10	23.7	0.0	100.0
never attended school	37	77,343	6	7.9	0.0	46.5	4	15.2	6.0	24.4	5	11.3	0.0	28.8	8	22.9	22.5	23.2	14	42.7	31.3	54.1
pratoon 1-6	574	890,371	53	8.1	0.0	40.0	59	8.4	0.0	21.0	176	27.7	0.0	73.0	71	10.7	8.9	12.5	215	45.0	20.8	69.2
matayoom 1-6	384	736,788	38	9.7	0.0	32.2	33	8.6	8.5	8.6	131	37.1	0.0	100.0	47	11.3	0.0	23.2	135	33.3	0.0	100.0
college/certificate	53	133,376	1	0.3	0.0	1.7	2	4.3	0.0	23.3	28	66.0	8.4	100.0	2	0.8	0.0	6.6	20	28.6	0.0	100.0
university or upper	69	153,727	6	12.6	0.0	60.5	1	0.4	0.0	4.7	21	34.8	0.0	100.0	5	3.6	0.0	34.6	36	48.6	40.0	57.3
no income	57	129,101	10	12.2	0.0	100.0	2	2.3	0.0	19.6	14	27.6	26.4	28.7	4	2.9	0.0	23.6	27	55.0	0.0	100.0
1-4,999 baht	358	588,279	45	13.0	0.0	33.3	36	9.5	6.8	12.1	95	28.0	0.0	75.5	42	11.7	8.0	15.3	140	37.9	0.0	100.0
5,000-9,999 baht	339	656,963	25	6.5	0.0	13.2	28	7.3	0.0	17.6	113	31.2	14.7	47.6	39	9.9	0.0	34.4	134	45.1	36.3	54.0
10,000 baht upper	339	576,882	23	6.1	0.0	58.2	29	7.1	0.0	15.8	126	42.6	0.0	100.0	48	11.3	10.8	11.9	113	33.0	0.0	100.0



Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 12 Muscle and skeleton pain due to occupational work

Table 12.1 In the past 30 days, do you have muscle pain or skeleton pain due to your occupations? (MUSKLELE)

Variable	Frequency	WgtFreq	Yes				No			
			Frequency	Percent	LowerCL	UpperCL	Frequency	Percent	LowerCL	UpperCL
overall	1,097	1,886,827	663	58.5	18.6	98.3	434	41.5	1.7	81.4
municipal area	471	377,649	298	63.5	19.8	100.0	173	36.5	0.0	80.2
out municipal area	626	1,509,178	365	57.2	0.0	100.0	261	42.8	0.0	100.0
male	603	989,323	361	58.4	46.9	69.9	242	41.6	30.1	53.1
female	494	897,504	302	58.5	0.0	100.0	192	41.5	0.0	100.0
15-24 years	82	164,762	35	44.1	0.0	90.4	47	55.9	9.6	100.0
25-34 years	161	354,305	77	44.1	0.0	98.9	84	55.9	1.1	100.0
35-44 years	256	428,677	159	65.6	22.1	100.0	97	34.4	0.0	77.9
45-54 years	236	480,378	150	59.0	1.6	100.0	86	41.0	0.0	98.4
55-64 years	250	361,114	176	70.4	41.8	99.0	74	29.6	1.0	58.2
65-74 years	101	86,887	60	56.4	50.0	62.8	41	43.6	37.2	50.0
75-79 years	11	10,704	6	62.3	0.0	100.0	5	37.7	0.0	100.0
never attended school	39	83,373	27	61.8	32.0	91.7	12	38.2	8.3	68.0
pratoon 1-6	628	1,013,121	415	66.8	44.8	88.8	213	33.2	11.2	55.2
matayoom 1-6	319	541,340	167	51.2	21.6	80.8	152	48.8	19.2	78.4
college/certificate	48	103,041	24	37.7	0.0	100.0	24	62.3	0.0	100.0
university or upper	63	145,952	30	40.2	0.0	100.0	33	59.8	0.0	100.0
no income	4	3,760	1	8.7	0.0	95.5	3	91.3	4.5	100.0
1-4,999 baht	281	427,984	185	64.6	23.4	100.0	96	35.4	0.0	76.6
5,000-9,999 baht	412	760,661	245	61.3	49.6	73.0	167	38.7	27.0	50.4
10,000 baht upper	379	660,369	217	51.2	0.0	100.0	162	48.8	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)  
 Part 13 Women (female aged 35 -79 years)

Table 13.1 When were the last time, you received a cervix cancer screening? (LASTPAP)

Variable	Frequency	WgtFreq	Within 1 year				Over 2 to 3 years ago				More than 3 years				Never			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	572	861,686	196	45.8	6.0	85.6	78	12.9	0.0	27.3	126	18.3	4.8	31.8	172	22.9	11.0	34.9
municipal area	256	205,163	70	35.5	1.3	69.7	43	17.1	0.0	44.7	68	21.8	0.0	68.3	75	25.6	10.3	40.9
out municipal area	316	656,523	126	49.0	0.0	100.0	35	11.6	4.5	18.7	58	17.2	0.0	46.9	97	22.1	3.7	40.6
female	572	861,686	196	45.8	6.0	85.6	78	12.9	0.0	27.3	126	18.3	4.8	31.8	172	22.9	11.0	34.9
35-44 years	136	232,056	64	51.4	18.6	84.3	22	15.3	1.1	29.6	27	20.2	11.8	28.7	23	13.0	0.0	40.1
45-54 years	125	293,274	57	61.1	0.0	100.0	22	11.7	0.0	68.3	24	14.1	10.7	17.6	22	13.0	0.0	32.1
55-64 years	166	202,755	59	39.1	0.0	100.0	23	14.9	10.3	19.4	41	21.1	0.0	47.2	43	24.9	0.0	78.4
65-74 years	114	104,716	14	15.1	5.5	24.6	11	10.7	0.0	45.9	30	21.1	0.0	49.7	59	53.1	50.3	55.9
75-79 years	31	28,885	2	3.9	0.0	37.0	0	0.0	0.0	0.0	4	15.3	0.0	100.0	25	80.8	20.3	100.0
never attended school	35	57,498	6	39.5	0.0	100.0	4	7.2	0.0	32.3	8	16.1	0.0	32.5	17	37.2	0.0	100.0
pratoon 1-6	422	625,766	145	45.0	0.0	100.0	50	12.2	4.2	20.3	98	19.6	14.3	24.9	129	23.2	0.0	64.9
matayoom 1-6	92	143,643	35	52.5	22.9	82.1	19	17.7	9.8	25.5	18	14.3	0.0	68.1	20	15.5	0.0	31.8
college/certificate	7	8,861	3	66.2	0.0	100.0	2	18.9	0.0	60.6	1	11.2	0.0	100.0	1	3.7	0.0	11.8
university or upper	16	25,918	7	36.0	14.6	57.3	3	14.1	0.0	81.7	1	16.7	0.0	100.0	5	33.3	0.0	100.0
no income	21	46,952	9	64.3	0.0	100.0	4	15.8	0.0	100.0	2	5.4	0.0	69.0	6	14.4	0.0	100.0
1-4,999 baht	268	339,653	83	40.8	36.8	44.8	23	7.9	0.0	33.9	61	20.4	2.8	38.0	101	31.0	18.5	43.4
5,000-9,999 baht	152	264,773	62	54.2	0.0	100.0	21	15.6	0.0	34.6	39	17.4	0.0	54.0	30	12.8	0.0	85.0
10,000 baht upper	121	194,049	40	40.2	17.7	62.6	28	17.7	0.0	100.0	22	19.2	0.0	60.7	31	22.9	0.0	100.0

## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 13 Women (female aged 35 -79 years)

Table 13.2 When were the last time, you received a cervix cancer screening? (LASTPAP\_3y)

Variable	Frequency	WgtFreq	Within 3 years				Over 4 to 5 years				Never			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	572	861,686	335	68.5	64.9	72.2	65	8.5	0.3	16.8	172	22.9	11.0	34.9
municipal area	256	205,163	147	66.4	40.3	92.4	34	8.0	0.0	18.8	75	25.6	10.3	40.9
out municipal area	316	656,523	188	69.2	57.8	80.5	31	8.7	1.6	15.8	97	22.1	3.7	40.6
female	572	861,686	335	68.5	64.9	72.2	65	8.5	0.3	16.8	172	22.9	11.0	34.9
35-44 years	136	232,056	105	81.6	66.7	96.4	8	5.5	0.0	17.7	23	13.0	0.0	40.1
45-54 years	125	293,274	92	80.5	71.9	89.2	11	6.5	0.0	34.2	22	13.0	0.0	32.1
55-64 years	166	202,755	95	61.7	14.9	100.0	28	13.4	6.7	20.2	43	24.9	0.0	78.4
65-74 years	114	104,716	41	37.1	12.9	61.3	14	9.8	0.0	36.9	59	53.1	50.3	55.9
75-79 years	31	28,885	2	3.9	0.0	37.0	4	15.3	0.0	100.0	25	80.8	20.3	100.0
never attended school	35	57,498	14	50.8	5.9	95.6	4	12.0	0.0	35.4	17	37.2	0.0	100.0
pratoon 1-6	422	625,766	239	67.0	33.0	100.0	54	9.8	2.1	17.6	129	23.2	0.0	64.9
matayoom 1-6	92	143,643	65	80.8	75.2	86.3	7	3.7	0.0	25.5	20	15.5	0.0	31.8
college/certificate	7	8,861	6	96.3	88.2	100.0	0	0.0	0.0	0.0	1	3.7	0.0	11.8
university or upper	16	25,918	11	66.7	0.0	100.0	0	0.0	0.0	0.0	5	33.3	0.0	100.0
no income	21	46,952	14	84.3	0.0	100.0	1	1.3	0.0	15.9	6	14.4	0.0	100.0
1-4,999 baht	268	339,653	135	59.7	47.9	71.4	32	9.4	0.0	33.6	101	31.0	18.5	43.4
5,000-9,999 baht	152	264,773	102	78.6	0.0	100.0	20	8.6	0.0	43.1	30	12.8	0.0	85.0
10,000 baht upper	121	194,049	78	67.5	0.0	100.0	12	9.6	0.0	64.1	31	22.9	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 13 Women (female aged 35 -79 years)

Table 13.3 When were the last time, you received a breast examined by a doctor, a nurse, or public health personnel? (LSTBREEX)

Variable	Frequency	WgtFreq	Within 1 year				Over 1 to 2 years				More than 2 years				Never			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	591	889,947	148	32.2	6.9	57.5	50	8.6	0.0	36.7	70	11.4	6.1	16.6	323	47.8	45.4	50.3
municipal area	264	210,558	59	25.3	0.0	79.3	25	11.8	0.0	63.0	35	13.1	0.0	89.9	145	49.7	21.4	78.0
out municipal area	327	679,389	89	34.3	0.0	79.4	25	7.6	0.0	26.3	35	10.8	0.0	26.6	178	47.3	36.6	57.9
female	591	889,947	148	32.2	6.9	57.5	50	8.6	0.0	36.7	70	11.4	6.1	16.6	323	47.8	45.4	50.3
35-44 years	139	236,921	43	31.1	0.0	100.0	12	8.1	0.0	43.7	18	14.6	0.0	65.4	66	46.1	0.0	100.0
45-54 years	128	301,256	46	50.4	0.0	100.0	17	9.6	0.0	68.3	12	6.5	0.0	59.0	53	33.5	0.0	68.8
55-64 years	170	208,940	39	20.6	0.0	44.7	13	9.6	6.4	12.9	27	15.6	0.0	67.4	91	54.2	0.0	100.0
65-74 years	123	115,081	20	15.5	14.9	16.1	8	7.1	1.5	12.6	12	12.1	0.0	27.7	83	65.3	55.9	74.8
75-79 years	31	27,749	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	1.2	0.0	10.4	30	98.8	89.6	100.0
never attended school	34	56,777	4	9.2	6.3	12.1	3	9.4	6.1	12.7	5	10.0	0.0	29.9	22	71.5	57.7	85.2
pratoon 1-6	439	649,082	105	31.3	0.0	96.8	31	7.4	0.0	33.8	59	13.0	12.4	13.7	244	48.2	9.8	86.7
matayoom 1-6	95	149,309	31	39.5	36.4	42.5	13	12.6	0.0	51.7	6	7.3	0.0	36.3	45	40.7	33.6	47.7
college/certificate	7	8,861	3	66.2	0.0	100.0	1	11.1	0.0	35.4	0	0.0	0.0	0.0	3	22.7	0.0	100.0
university or upper	16	25,918	5	50.4	0.0	100.0	2	13.4	0.0	29.8	0	0.0	0.0	0.0	9	36.2	0.0	100.0
no income	21	47,280	9	51.4	0.0	100.0	3	13.0	0.0	100.0	2	10.0	0.0	73.0	7	25.6	0.0	64.5
1-4,999 baht	280	350,721	61	26.0	22.2	29.8	21	10.1	0.0	20.7	22	8.3	0.0	21.6	176	55.6	49.1	62.1
5,000-9,999 baht	156	270,227	45	35.9	0.0	100.0	10	6.9	0.0	22.4	27	12.1	0.0	27.7	74	45.1	10.9	79.3
10,000 baht upper	124	205,460	29	31.7	0.0	64.5	14	7.3	0.0	52.9	17	15.5	10.7	20.2	64	45.5	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 13 Women (female aged 15 -49 years)

Table 13.4 How long the lastime did you use family planing or contraception such as IUD, injectable contraception,pill contraception, sterilization? (LASTFP)

Variable	Frequency	WgtFreq	Within 1 year ago				Within 2 year ago				More than 2 years				Never			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	361	807,318	166	39.7	0.0	100.0	6	1.6	0.0	12.0	48.0	15.9	0.0	53.1	141	42.8	0.0	100.0
municipal area	157	159,808	78	47.8	31.1	64.6	2	0.8	0.0	8.2	9.0	7.9	0.0	39.8	68	43.5	20.9	66.0
out municipal area	204	647,509	88	37.6	0.0	100.0	4	1.8	0.0	13.6	39.0	17.9	0.0	62.3	73	42.7	0.0	100.0
female	361	807,318	166	39.7	0.0	100.0	6	1.6	0.0	12.0	48.0	15.9	0.0	53.1	141	42.8	0.0	100.0
15-24 years	80	234,175	24	17.4	0.0	100.0	0				2.0	2.9	0.0	8.3	54	79.7	0.0	100.0
25-34 years	84	198,401	45	56.3	42.4	70.2	2	2.0	0.0	11.7	11.0	16.5	0.0	67.0	26	25.2	0.0	52.0
35-44 years	139	237,937	73	54.1	43.6	64.7	3	2.1	0.0	17.7	23.0	19.3	0.0	77.6	40	24.5	0.0	100.0
45-49 years	58	136,805	24	28.4	0.0	100.0	1	3.2	0.0	40.3	12.0	31.3	0.0	81.4	21	37.1	0.0	100.0
never attended school	11	28,098	4	15.6	0.0	100.0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7	84.4	0.0	100.0
pratoon 1-6	127	262,630	62	44.6	34.8	54.4	3	3.5	0.0	9.6	29.0	28.0	0.0	70.6	33	23.9	0.0	82.5
matayoom 1-6	165	374,616	77	41.4	0.0	100.0	2	0.9	0.0	11.5	15.0	11.6	5.8	17.4	71	46.2	0.0	100.0
college/certificate	21	63,586	9	35.7	0.0	100.0	1	1.1	0.0	17.1	1.0	6.3	0.0	97.7	10	56.9	0.0	100.0
university or upper	37	78,388	14	26.7	0.0	87.5	0	0.0	0.0	0.0	3.0	9.5	0.0	30.7	20	63.7	0.0	100.0
no income	19	41,985	11	45.4	23.2	67.6	0	0.0	0.0	0.0	1.0	6.6	0.0	82.4	7	48.0	0.0	100.0
1-4,999 baht	110	306,183	40	25.4	0.0	100.0	1	0.9	0.0	11.2	17.0	16.9	0.0	84.4	52	56.8	0.0	100.0
5,000-9,999 baht	134	260,044	72	51.7	49.5	54.0	5	4.0	0.0	16.9	18.0	15.9	0.0	44.6	39	28.3	0.0	72.1
10,000 baht upper	91	183,855	42	47.7	34.3	61.2	0	0.0	0.0	0.0	11.0	15.7	15.1	16.4	38	36.5	23.7	49.4

## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 2 Accessibility to health services

Table 2.1 Do you have universal coverage for health insurance? (HLTINH5)

Variable	Frequency	WgtFreq	Yes				No			
			Frequency	Percent	LowerCL	UpperCL	Frequency	Percent	LowerCL	UpperCL
overall	1,556	2,593,863	1,376	89.3	64.6	100.0	180	10.7	0.0	35.4
municipal area	698	546,908	593	85.5	78.1	92.9	105	14.5	7.1	21.9
out municipal area	858	2,046,954	783	90.3	64.2	100.0	75	9.7	0.0	35.8
male	793	1,254,113	702	87.9	64.0	100.0	91	12.1	0.0	36.0
female	763	1,339,750	674	90.5	64.9	100.0	89	9.5	0.0	35.1
15-39 years	532	1,164,260	461	87.7	78.8	96.6	71	12.3	3.4	21.2
40-59 years	509	992,003	458	91.1	57.1	100.0	51	8.9	0.0	42.9
60-79 years	515	437,599	457	89.3	38.7	100.0	58	10.7	0.0	61.3
never attended school	56	106,072	54	98.2	67.0	100.0	2	1.8	0.0	33.0
pratoon 1-6	902	1,279,296	847	95.1	88.5	100.0	55	4.9	0.0	11.5
matayoom 1-6	462	884,090	398	88.8	56.1	100.0	64	11.2	0.0	43.9
college/certificate	57	141,817	40	85.1	4.3	100.0	17	14.9	0.0	95.7
university or upper	79	182,588	37	49.0	43.9	54.1	42	51.0	45.9	56.1
no income	65	137,950	56	87.4	54.7	100.0	9	12.6	0.0	45.3
1-4,999 baht	603	887,741	575	96.4	89.4	100.0	28	3.6	0.0	10.6
5,000-9,999 baht	450	826,585	400	89.3	35.5	100.0	50	10.7	0.0	64.5
10,000 baht upper	406	691,741	315	79.8	58.7	100.0	91	20.2	0.0	41.3



## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 2 Accessibility to health services

Table 2.2 Do you have social security for health insurance? (HLTHINSS)

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,556	2,593,863	121	9.4	8.1	10.8	1435	90.6	89.2	91.9
municipal area	698	546,908	64	11.1	9.2	13.0	634	88.9	87.0	90.8
out municipal area	858	2,046,954	57	9.0	6.4	11.6	801	91.0	88.4	93.6
male	793	1,254,113	61	10.4	1.7	19.2	732	89.6	80.8	98.3
female	763	1,339,750	60	8.5	0.0	19.1	703	91.5	80.9	100.0
15-39 years	532	1,164,260	74	14.0	11.9	16.1	458	86.0	83.9	88.1
40-59 years	509	992,003	42	7.5	3.6	11.5	467	92.5	88.5	96.4
60-79 years	515	437,599	5	1.5	0.0	8.9	510	98.5	91.1	100.0
never attended school	56	106,072	0	0.0	0.0	0.0	56	100.0	100.0	100.0
pratoon 1-6	902	1,279,296	29	4.1	0.8	7.4	873	95.9	92.6	99.2
matayoom 1-6	462	884,090	49	9.6	4.9	14.4	413	90.4	85.6	95.1
college/certificate	57	141,817	17	21.3	0.0	73.1	40	78.7	26.9	100.0
university or upper	79	182,588	26	41.9	0.0	100.0	53	58.1	0.0	100.0
no income	65	137,950	6	12.3	0.0	37.4	59	87.7	62.6	100.0
1-4,999 baht	603	887,741	10	1.4	0.0	8.2	593	98.6	91.8	100.0
5,000-9,999 baht	450	826,585	41	9.5	0.0	59.5	409	90.5	40.5	100.0
10,000 baht upper	406	691,741	63	19.6	0.0	87.4	343	80.4	12.6	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 2 Accessibility to health services

Table 2.3 Do you have private insurance for health insurance? (HLTHINPRI)

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,556	2,593,863	108	6.8	0.0	22.5	1448	93.2	77.5	100.0
municipal area	698	546,908	49	7.1	6.0	8.1	649	92.9	91.9	94.0
out municipal area	858	2,046,954	59	6.7	0.0	26.0	799	93.3	74.0	100.0
male	793	1,254,113	56	6.6	0.0	24.5	737	93.4	75.5	100.0
female	763	1,339,750	52	6.9	0.0	20.5	711	93.1	79.5	100.0
15-39 years	532	1,164,260	43	7.3	5.1	9.6	489	92.7	90.4	94.9
40-59 years	509	992,003	49	8.1	0.0	51.3	460	91.9	48.7	100.0
60-79 years	515	437,599	16	2.1	0.0	11.1	499	97.9	88.9	100.0
never attended school	56	106,072	1	0.2	0.0	0.8	55	99.8	99.2	100.0
pratoon 1-6	902	1,279,296	48	5.3	0.0	19.7	854	94.7	80.3	100.0
matayoom 1-6	462	884,090	41	8.3	4.4	12.1	421	91.7	87.9	95.6
college/certificate	57	141,817	6	7.3	0.0	63.5	51	92.7	36.5	100.0
university or upper	79	182,588	12	13.0	0.0	40.5	67	87.0	59.5	100.0
no income	65	137,950	1	0.7	0.0	9.0	64	99.3	91.0	100.0
1-4,999 baht	603	887,741	30	5.8	1.0	10.6	573	94.2	89.4	99.0
5,000-9,999 baht	450	826,585	29	5.3	0.0	32.7	421	94.7	67.3	100.0
10,000 baht upper	406	691,741	47	11.3	0.0	36.4	359	88.7	63.6	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 2 Accessibility to health services

Table 2.4 Do you have government welfare for health insurance? (HLTHINCIV)

Variable	Frequency	WgtFreq	Yes				No			
			Frequency	Percent	LowerCL	UpperCL	Frequency	Percent	LowerCL	UpperCL
overall	1,555	2,592,223	107	4.9	0.0	30.7	1,448	95.1	69.3	100.0
municipal area	698	546,908	63	7.8	0.0	39.7	635	92.2	60.3	100.0
out municipal area	857	2,045,315	44	4.1	0.0	25.9	813	95.9	74.1	100.0
male	793	1,254,113	66	5.6	0.0	32.6	727	94.4	67.4	100.0
female	762	1,338,111	41	4.2	0.0	29.1	721	95.8	70.9	100.0
15-39 years	532	1,164,260	14	1.7	0.0	6.4	518	98.3	93.6	100.0
40-59 years	509	992,003	28	5.7	0.0	37.6	481	94.3	62.4	100.0
60-79 years	514	435,960	65	11.2	0.0	69.2	449	88.8	30.8	100.0
never attended school	56	106,072	1	1.1	0.0	19.4	55	98.9	80.6	100.0
pratoon 1-6	901	1,277,657	47	3.5	0.0	12.0	854	96.5	88.0	100.0
matayoom 1-6	462	884,090	30	4.2	0.0	29.5	432	95.8	70.5	100.0
college/certificate	57	141,817	3	1.0	0.0	14.9	54	99.0	85.1	100.0
university or upper	79	182,588	26	22.8	0.0	100.0	53	77.2	0.0	100.0
no income	65	137,950	2	1.6	0.0	21.7	63	98.4	78.3	100.0
1-4,999 baht	602	886,101	23	1.7	0.0	13.8	579	98.3	86.2	100.0
5,000-9,999 baht	450	826,585	24	3.9	0.0	16.0	426	96.1	84.0	100.0
10,000 baht upper	406	691,741	56	10.9	0.0	68.0	350	89.1	32.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 2 Accessibility to health services

Table 2.5 During the past 12 month, if you need to meet doctor to cure your illness but you did not come due to health expenditure problem or not? (MONEPROB)

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,592	2,649,690	87	4.8	0.0	10.9	1505	95.2	89.1	100.0
municipal area	710	554,907	35	4.0	0.0	15.0	675	96.0	85.0	100.0
out municipal area	882	2,094,783	52	5.0	0.9	9.2	830	95.0	90.8	99.1
male	823	1,301,186	37	3.7	0.0	15.6	786	96.3	84.4	100.0
female	769	1,348,504	50	5.9	5.1	6.6	719	94.1	93.4	94.9
15-39 years	555	1,202,095	24	2.9	0.0	6.6	531	97.1	93.4	100.0
40-59 years	516	1,006,934	25	5.1	2.3	7.8	491	94.9	92.2	97.7
60-79 years	521	440,661	38	9.5	0.0	36.9	483	90.5	63.1	100.0
never attended school	62	111,533	12	16.8	10.3	23.3	50	83.2	76.7	89.7
pratoon 1-6	907	1,290,356	55	6.2	0.0	18.8	852	93.8	81.2	100.0
matayoom 1-6	482	911,660	19	3.0	0.0	9.5	463	97.0	90.5	100.0
college/certificate	61	149,891	0	0.0	0.0	0.0	61	100.0	100.0	100.0
university or upper	80	186,250	1	1.0	0.0	10.1	79	99.0	89.9	100.0
no income	73	149,082	3	9.5	0.0	70.5	70	90.5	29.5	100.0
1-4,999 baht	619	911,204	39	6.1	5.4	6.8	580	93.9	93.2	94.6
5,000-9,999 baht	456	835,554	24	3.4	0.0	8.3	432	96.6	91.7	100.0
10,000 baht upper	411	701,262	19	4.0	0.0	20.7	392	96.0	79.3	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 2 Accessibility to health services

Table 2.6 How long has it been since you last visited a doctor for routine checkup? (CHECKUP)

Variable	Frequency	WgtFreq	Within 1 year ago				Over 1 to 2 years ago				More than 2 years ago				Never			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,587	2,640,320	590	35.9	0.0	79.4	83	5.3	0.8	9.9	67	4.2	0.0	12.7	847	54.5	24.2	84.9
municipal area	709	554,105	260	37.7	0.0	100.0	49	7.1	0.0	23.0	35	4.6	0.0	30.5	365	50.7	14.2	87.1
out municipal area	878	2,086,215	330	35.5	2.7	68.3	34	4.9	1.9	7.8	32	4.1	0.0	8.3	482	55.6	30.0	81.2
male	819	1,292,015	244	29.4	0.0	73.1	31	2.6	0.0	7.4	40	5.2	3.0	7.3	504	62.9	16.5	100.0
female	768	1,348,306	346	42.2	0.2	84.2	52	8.0	0.0	22.0	27	3.2	0.0	17.6	343	46.5	32.9	60.2
15-39 years	553	1,197,307	138	23.3	0.0	97.8	33	6.0	0.2	11.8	24	4.9	0.2	9.6	358	65.8	1.8	100.0
40-59 years	515	1,003,246	197	43.3	42.2	44.4	25	4.7	0.9	8.5	20	3.2	0.0	14.3	273	48.8	35.0	62.6
60-79 years	519	439,768	255	53.7	41.5	65.9	25	4.9	4.5	5.3	23	4.5	0.0	15.1	216	36.9	35.8	38.1
never attended school	62	111,533	19	25.7	0.1	51.3	1	0.7	0.0	2.6	5	6.8	0.0	19.5	37	66.8	52.1	81.6
pratoon 1-6	904	1,285,774	375	42.4	29.5	55.2	42	5.0	0.0	11.7	36	4.0	0.0	17.5	451	48.6	41.3	56.0
matayoom 1-6	481	910,887	127	25.7	0.0	76.9	35	7.1	0.0	21.7	19	2.9	0.0	7.3	300	64.3	23.2	100.0
college/certificate	60	145,876	24	32.9	0.0	100.0	4	5.5	0.0	79.8	3	6.4	0.0	13.8	29	55.2	0.0	100.0
university or upper	80	186,250	45	50.3	0.0	100.0	1	1.9	0.0	21.5	4	7.9	0.0	43.9	30	39.9	0.0	100.0
no income	73	146,707	27	30.3	2.2	58.4	7	19.9	0.0	100.0	2	5.2	0.0	47.1	37	44.6	0.0	100.0
1-4,999 baht	615	907,927	266	39.8	2.0	77.6	21	3.8	0.0	20.2	17	2.7	0.0	15.5	311	53.7	0.0	100.0
5,000-9,999 baht	455	831,837	149	35.4	6.5	64.3	31	6.0	0.0	18.6	18	3.7	0.0	15.6	257	54.9	50.4	59.3
10,000 baht upper	411	701,262	137	33.4	0.0	100.0	23	3.8	0.0	10.2	26	6.0	0.0	35.0	225	56.8	6.3	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 2 Accessibility to health services

Table 2.7 How long has it been since you last visit a dentist or dental health technician for an oral health examination? (LASTDENT)

Variable	Frequency	WgtFreq	Within 1 year				Over 1 to 2 years				More than 2 years				Never			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,591	2,649,776	198	13.8	0.0	46.3	75	4.3	0.2	8.3	215	13.4	0.0	37.2	1103	68.5	55.7	81.3
municipal area	708	552,636	90	13.6	0.0	41.6	42	6.5	0.0	20.5	104	14.5	0.0	71.1	472	65.4	22.9	100.0
out municipal area	883	2,097,140	108	13.8	0.0	47.7	33	3.7	0.0	10.6	111	13.1	0.0	29.2	631	69.4	44.6	94.1
male	824	1,303,751	73	9.7	0.0	43.6	29	2.9	0.0	7.0	99	10.9	10.0	11.8	623	76.5	37.6	100.0
female	767	1,346,025	125	17.8	0.0	47.9	46	5.6	2.0	9.2	116	15.9	0.0	64.1	480	60.8	46.2	75.3
15-39 years	554	1,201,322	82	17.8	0.0	49.7	36	5.3	2.6	8.0	88	16.1	12.6	19.7	348	60.8	35.2	86.4
40-59 years	514	1,004,132	60	10.4	0.0	54.9	26	3.6	0.0	15.8	56	10.6	0.0	51.3	372	75.3	59.3	91.3
60-79 years	523	444,322	56	10.4	0.0	31.2	13	3.0	0.0	10.3	71	12.4	0.0	43.9	383	74.2	70.8	77.6
never attended school	62	111,533	1	0.5	0.0	9.4	0	0.0	0.0	0.0	4	2.5	2.4	2.6	57	97.0	88.2	100.0
pratoon 1-6	907	1,291,216	90	9.6	3.9	15.4	30	3.7	3.6	3.8	121	12.8	0.0	62.1	666	73.9	30.4	100.0
matayoom 1-6	481	910,887	69	16.1	0.0	61.0	39	6.7	0.1	13.2	73	15.9	0.0	46.5	300	61.3	40.4	82.1
college/certificate	61	149,891	12	23.1	2.5	43.7	1	0.9	0.0	5.4	9	17.0	0.0	71.5	39	59.0	29.5	88.5
university or upper	80	186,250	26	31.3	0.0	100.0	5	2.2	1.1	3.3	8	8.9	0.0	88.6	41	57.7	0.0	100.0
no income	74	150,722	10	22.0	0.0	72.3	5	5.5	4.6	6.4	12	6.3	0.0	14.2	47	66.2	8.9	100.0
1-4,999 baht	617	909,476	68	13.3	0.0	28.5	28	5.6	0.0	11.9	75	14.2	0.0	50.5	446	67.0	52.1	81.9
5,000-9,999 baht	457	836,428	61	12.7	0.0	53.1	17	2.6	0.0	7.9	62	12.5	9.3	15.7	317	72.2	29.7	100.0
10,000 baht upper	411	701,262	54	13.3	0.0	88.6	25	4.7	2.0	7.4	62	15.1	0.0	51.2	270	66.8	30.3	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 3 Weight and height

Table 3.1 How much is your BMI?

Variable	Frequency	WgtFreq	BMI < 18kg/m <sup>2</sup>				18 kg/m <sup>2</sup> <= BMI < 25.0 kg/m <sup>2</sup>				25 <= BMI < 30.0 Kg/m <sup>2</sup>				BMI >= 30 kg/m <sup>2</sup>			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,588	2,642,807	158	9.4	5.5	13.3	889	57.9	49.1	66.6	439	26.0	15.2	36.9	102	6.7	4.9	8.5
municipal area	706	550,332	73	9.0	0.0	30.8	374	51.4	35.1	67.7	204	29.3	13.9	44.7	55	10.3	0.0	31.2
out municipal area	882	2,092,475	85	9.5	8.3	10.6	515	59.5	49.4	69.7	235	25.2	10.1	40.3	47	5.8	0.0	11.9
male	821	1,300,650	95	11.3	0.0	23.7	488	61.8	35.9	87.8	203	22.4	0.0	50.5	35	4.5	0.0	14.6
female	767	1,342,157	63	7.5	2.7	12.3	401	54.0	45.1	62.9	236	29.6	22.8	36.4	67	8.9	2.0	15.8
15-24 years	223	543,684	60	24.2	0.0	52.7	125	57.8	37.7	77.9	26	12.7	6.4	18.9	12	5.3	3.2	7.4
25-34 years	178	394,857	20	8.6	0.0	43.7	100	60.9	55.4	66.4	43	20.3	11.9	28.7	15	10.2	0.0	31.4
35-44 years	276	461,869	8	2.0	0.0	5.1	159	58.4	47.9	69.0	86	31.5	13.4	49.6	23	8.1	0.0	18.8
45-54 years	254	517,958	9	3.0	0.0	19.9	129	48.4	32.9	63.9	98	40.9	17.7	64.1	18	7.7	0.0	16.9
55-64 years	337	449,802	17	4.7	0.0	16.2	192	65.4	23.7	100.0	108	26.1	22.4	29.8	20	3.8	0.0	30.3
65-74 years	253	214,288	29	11.3	0.0	23.9	146	56.9	46.1	67.7	65	25.4	0.0	58.4	13	6.4	0.0	41.2
75-79 years	67	60,349	15	20.5	0.0	54.1	38	62.4	37.2	87.6	13	16.6	0.0	70.1	1	0.5	0.0	5.9
never attended school	61	111,231	1	0.2	0.0	0.8	37	79.8	26.3	100.0	15	14.3	0.0	44.0	8	5.7	0.0	30.2
pratoon 1-6	906	1,290,748	77	7.0	0.0	18.4	510	56.7	47.3	66.0	260	28.7	4.5	52.9	59	7.7	4.2	11.2
matayoom 1-6	481	908,821	70	14.3	0.0	34.6	262	58.0	53.5	62.4	124	23.4	8.2	38.6	25	4.3	0.0	14.0
college/certificate	60	145,757	2	6.7	0.0	41.2	35	51.6	44.7	58.4	18	24.5	0.0	72.5	5	17.2	0.0	37.5
university or upper	80	186,250	8	9.7	0.0	68.7	45	57.4	0.0	100.0	22	28.7	0.0	100.0	5	4.2	0.0	13.7
no income	74	150,722	14	16.5	0.0	37.9	38	47.2	36.3	58.1	12	17.2	0.0	52.0	10	19.1	0.0	86.2
1-4,999 baht	617	910,607	83	14.0	12.8	15.2	348	57.5	51.9	63.2	144	21.1	12.2	30.0	42	7.3	0.0	20.7
5,000-9,999 baht	456	833,058	30	6.4	0.0	15.9	263	61.3	61.3	61.4	135	25.9	25.6	26.2	28	6.4	0.0	15.5
10,000 baht upper	409	696,253	28	5.7	0.0	16.8	226	56.9	25.2	88.6	133	33.2	0.0	81.3	22	4.1	0.0	9.4

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 4 Vegetable and fruit intake

Table 4.1 How many serving of fruit or vegetable did you eat in the past 7 days? (FRUIT&VEGET)

Variable	Frequency	WgtFreq	Aduqate intake (average greater than 5 servings per day)				Inadquate intake (average lower than 5 servings per day)			
			Frequenc	Percent	LowerCL	UpperCL	Frequenc	Percent	LowerCL	UpperCL
overall	1,595	2,654,051	344	25.4	0.0	95.1	1,251	74.6	4.9	100.0
municipal area	711	555,063	144	19.4	0.0	40.2	567	80.6	59.8	100.0
out municipal area	884	2,098,988	200	27.0	0.0	100.0	684	73.0	0.0	100.0
male	824	1,303,751	162	22.2	0.0	81.0	662	77.8	19.0	100.0
female	771	1,350,300	182	28.5	0.0	100.0	589	71.5	0.0	100.0
15-24 years	223	543,684	32	15.2	0.0	32.2	191	84.8	67.8	100.0
25-34 years	180	401,830	46	24.3	0.0	64.5	134	75.7	35.5	100.0
35-44 years	276	461,869	54	22.4	0.0	76.3	222	77.6	23.7	100.0
45-54 years	256	519,254	70	38.1	0.0	100.0	186	61.9	0.0	100.0
55-64 years	338	452,181	74	28.6	0.0	100.0	264	71.4	0.0	100.0
65-74 years	254	214,590	57	25.9	0.0	100.0	197	74.1	0.0	100.0
75-79 years	68	60,643	11	12.3	0.0	24.6	57	87.7	75.4	100.0
never attended school	62	111,533	19	38.2	35.0	41.3	43	61.8	58.7	65.0
pratoon 1-6	910	1,294,717	197	29.1	0.0	100.0	713	70.9	0.0	100.0
matayoom 1-6	482	911,660	87	17.1	0.0	34.6	395	82.9	65.4	100.0
college/certificate	61	149,891	13	27.3	26.9	27.6	48	72.7	72.4	73.1
university or upper	80	186,250	28	31.0	1.2	60.8	52	69.0	39.2	98.8
no income	74	150,722	8	17.0	0.0	95.1	66	83.0	4.9	100.0
1-4,999 baht	619	911,204	132	21.0	0.0	92.7	487	79.0	7.3	100.0
5,000-9,999 baht	458	838,276	105	32.0	0.0	100.0	353	68.0	0.0	100.0
10,000 baht upper	411	701,262	96	26.3	0.0	64.7	315	73.7	35.3	100.0



Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 5 Tobacco

Table 5.1 Are you a smoker cigarettes?

Variable	Frequency	WgtFreq	Current smoker				Ex-smoker				Non-smoker			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,593	2,648,852	319	21.2	15.5	26.9	180	8.3	0.0	38.9	1094	70.5	34.2	100.0
municipal area	711	555,063	119	17.1	0.0	35.3	78	8.5	0.0	27.8	514	74.3	73.3	75.4
out municipal area	882	2,093,788	200	22.3	6.9	37.7	102	8.2	0.0	41.7	580	69.5	20.7	100.0
male	824	1,303,751	296	39.3	11.5	67.1	155	15.0	0.0	70.9	373	45.7	0.0	100.0
female	769	1,345,100	23	3.6	0.0	15.6	25	1.8	0.0	9.3	721	94.6	90.1	99.0
15-24 years	222	541,170	48	18.0	0.0	54.7	4	1.5	0.0	4.1	170	80.5	41.2	100.0
25-34 years	180	401,830	44	20.9	0.0	81.9	9	6.5	0.0	42.0	127	72.6	0.0	100.0
35-44 years	276	461,869	59	21.0	2.1	40.0	19	7.0	0.0	35.8	198	71.9	62.1	81.8
45-54 years	255	516,568	56	22.2	0.0	44.7	28	9.0	0.0	30.9	171	68.8	24.3	100.0
55-64 years	338	452,181	79	30.6	0.0	100.0	47	10.9	0.0	63.7	212	58.5	38.3	78.7
65-74 years	254	214,590	26	11.7	0.0	29.6	58	19.1	0.0	63.3	170	69.2	43.0	95.5
75-79 years	68	60,643	7	7.7	0.0	16.0	15	26.7	0.0	67.6	46	65.7	16.5	100.0
never attended school	62	111,533	15	46.9	0.0	100.0	3	5.8	0.0	13.3	44	47.3	0.0	100.0
pratoon 1-6	910	1,294,717	180	22.7	0.0	51.8	133	11.1	0.0	34.0	597	66.2	60.0	72.4
matayoom 1-6	480	906,461	104	19.0	0.0	75.5	35	5.7	0.0	41.9	341	75.4	0.0	100.0
college/certificate	61	149,891	11	11.2	0.0	56.1	5	6.0	0.0	59.2	45	82.8	0.0	100.0
university or upper	80	186,250	9	14.1	0.0	100.0	4	4.7	0.0	50.3	67	81.2	0.0	100.0
no income	74	150,722	10	12.2	0.0	79.3	6	3.4	0.0	17.6	58	84.4	3.1	100.0
1-4,999 baht	618	908,690	110	17.0	0.0	48.4	72	7.7	0.0	26.1	436	75.3	25.5	100.0
5,000-9,999 baht	458	838,276	105	29.4	0.0	86.9	45	7.4	0.0	38.4	308	63.2	36.8	89.7
10,000 baht upper	410	698,576	88	19.4	0.0	60.1	49	9.8	0.0	55.9	273	70.8	0.0	100.0

## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 5 Tobacco

Table 5.2 During the past 12 months, have you stopped smoking for one day or longer because you are trying to quit smoking? (STOPSM1)

Variable	Frequency	WgtFreq	Yes				No			
			Frequency	Percent	LowerCL	UpperCL	Frequency	Percent	LowerCL	UpperCL
overall	318	559,862	218	71.5	57.0	86.0	100	28.5	14.0	43.0
municipal area	119	95,118	76	65.6	11.1	100.0	43	34.4	0.0	88.9
out municipal area	199	464,743	142	72.7	42.4	100.0	57	27.3	0.0	57.6
male	295	510,920	199	70.3	41.9	98.6	96	29.7	1.4	58.1
female	23	48,942	19	84.4	2.9	100.0	4	15.6	0.0	97.1
15-24 years	47	95,866	38	77.0	28.6	100.0	9	23.0	0.0	71.4
25-34 years	44	84,025	30	67.4	53.0	81.8	14	32.6	18.2	47.0
35-44 years	59	97,196	41	64.0	0.0	100.0	18	36.0	0.0	100.0
45-54 years	56	114,724	39	72.0	0.0	100.0	17	28.0	0.0	100.0
55-64 years	79	138,403	54	78.7	40.5	100.0	25	21.3	0.0	59.5
65-74 years	26	25,006	11	53.8	0.0	100.0	15	46.2	0.0	100.0
75-79 years	7	4,642	5	57.9	0.0	100.0	2	42.1	0.0	100.0
never attended school	15	52,279	8	72.4	0.1	100.0	7	27.6	0.0	99.9
pratoon 1-6	180	294,085	117	71.3	65.8	76.7	63	28.7	23.3	34.2
matayoom 1-6	103	170,394	77	71.1	22.8	100.0	26	28.9	0.0	77.2
college/certificate	11	16,857	9	72.9	0.0	100.0	2	27.1	0.0	100.0
university or upper	9	26,247	7	74.0	0.0	100.0	2	26.0	0.0	100.0
no income	10	18,421	9	73.6	0.0	100.0	1	26.4	0.0	100.0
1-4,999 baht	110	154,483	65	64.5	2.2	100.0	45	35.5	0.0	97.8
5,000-9,999 baht	105	246,428	76	74.1	11.3	100.0	29	25.9	0.0	88.7
10,000 baht upper	87	133,744	64	74.3	18.6	100.0	23	25.7	0.0	81.4

## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 6 Alcohol

Table 6.1 During the past year, did you drink alcohol beverage such as wiskiky, beer, wine, etc.? (DRNKALC)

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,595	2,654,051	650	39.6	0.0	100.0	945	60.4	0.0	100.0
municipal area	711	555,063	264	39.0	36.1	41.8	447	61.0	58.2	63.9
out municipal area	884	2,098,988	386	39.8	0.0	100.0	498	60.2	0.0	100.0
male	824	1,303,751	465	56.4	0.0	100.0	359	43.6	0.0	100.0
female	771	1,350,300	185	23.4	0.0	88.2	586	76.6	11.8	100.0
15-24 years	223	543,684	95	36.2	0.0	100.0	128	63.8	0.0	100.0
25-34 years	180	401,830	95	45.7	0.0	100.0	85	54.3	0.0	100.0
35-44 years	276	461,869	142	54.8	7.9	100.0	134	45.2	0.0	92.1
45-54 years	256	519,254	123	37.4	0.0	100.0	133	62.6	0.0	100.0
55-64 years	338	452,181	129	39.3	0.1	78.4	209	60.7	21.6	99.9
65-74 years	254	214,590	55	18.0	0.0	36.8	199	82.0	63.2	100.0
75-79 years	68	60,643	11	13.5	0.0	32.6	57	86.5	67.4	100.0
never attended school	62	111,533	9	14.7	0.0	46.5	53	85.3	53.5	100.0
pratoon 1-6	910	1,294,717	359	42.7	7.9	77.5	551	57.3	22.5	92.1
matayoom 1-6	482	911,660	220	38.9	0.0	100.0	262	61.1	0.0	100.0
college/certificate	61	149,891	29	33.8	0.0	100.0	32	66.2	0.0	100.0
university or upper	80	186,250	33	41.7	0.0	100.0	47	58.3	0.0	100.0
no income	74	150,722	19	27.6	23.3	32.0	55	72.4	68.0	76.7
1-4,999 baht	619	911,204	181	29.9	0.0	100.0	438	70.1	0.0	100.0
5,000-9,999 baht	458	838,276	223	44.5	0.0	90.1	235	55.5	9.9	100.0
10,000 baht upper	411	701,262	214	49.1	0.0	100.0	197	50.9	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 6 Alcohol

Table 6.2 During the past 30 days, did you drink alcohol such as whisky,beer, wine, or local beverage? (ALCOHOL30)

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,595	2,654,051	558	33.7	0.0	100.0	1037	66.3	0.0	100.0
municipal area	711	555,063	221	29.5	12.7	46.4	490	70.5	53.6	87.3
out municipal area	884	2,098,988	337	34.9	0.0	100.0	547	65.1	0.0	100.0
male	824	1,303,751	427	51.6	0.0	100.0	397	48.4	0.0	100.0
female	771	1,350,300	131	16.5	0.0	81.2	640	83.5	18.8	100.0
15-24 years	223	543,684	83	31.7	0.0	83.2	140	68.3	16.8	100.0
25-34 years	180	401,830	80	36.9	0.0	97.8	100	63.1	2.2	100.0
35-44 years	276	461,869	123	47.6	0.0	100.0	153	52.4	0.0	100.0
45-54 years	256	519,254	106	32.1	0.0	100.0	150	67.9	0.0	100.0
55-64 years	338	452,181	112	33.9	0.0	90.1	226	66.1	9.9	100.0
65-74 years	254	214,590	44	12.9	0.0	65.3	210	87.1	34.7	100.0
75-79 years	68	60,643	10	12.5	4.1	20.9	58	87.5	79.1	95.9
never attended school	62	111,533	9	14.7	0.0	46.5	53	85.3	53.5	100.0
pratoon 1-6	910	1,294,717	302	36.0	0.0	85.1	608	64.0	14.9	100.0
matayoom 1-6	482	911,660	191	33.1	0.0	100.0	291	66.9	0.0	100.0
college/certificate	61	149,891	27	30.8	0.0	100.0	34	69.2	0.0	100.0
university or upper	80	186,250	29	35.0	0.0	100.0	51	65.0	0.0	100.0
no income	74	150,722	16	24.5	4.4	44.5	58	75.5	55.5	95.6
1-4,999 baht	619	911,204	151	23.2	0.0	100.0	468	76.8	0.0	100.0
5,000-9,999 baht	458	838,276	194	39.8	0.0	100.0	264	60.2	0.0	100.0
10,000 baht upper	411	701,262	189	43.4	0.0	100.0	222	56.6	0.0	100.0

## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 6 Alcohol

Table 6.3 During the past 30 days, how many time have you ever binge drink? (male: drink greater than 5 standard drinks per occasion or female drink greater than 4 standard drinks per occasion) (DRNKGES5)

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,595	2,654,051	269	16.6	0.0	55.8	1326	83.4	44.2	100.0
municipal area	711	555,063	101	11.4	9.8	12.9	610	88.6	87.1	90.2
out municipal area	884	2,098,988	168	18.0	0.0	71.4	716	82.0	28.6	100.0
male	824	1,303,751	225	27.9	0.0	78.1	599	72.1	21.9	100.0
female	771	1,350,300	44	5.7	0.0	37.1	727	94.3	62.9	100.0
15-24 years	223	543,684	49	19.2	0.0	43.5	174	80.8	56.5	100.0
25-34 years	180	401,830	36	17.5	0.0	62.9	144	82.5	37.1	100.0
35-44 years	276	461,869	64	24.3	2.1	46.5	212	75.7	53.5	97.9
45-54 years	256	519,254	52	16.1	0.0	92.8	204	83.9	7.2	100.0
55-64 years	338	452,181	50	13.2	0.0	39.2	288	86.8	60.8	100.0
65-74 years	254	214,590	16	3.7	0.0	33.8	238	96.3	66.2	100.0
75-79 years	68	60,643	2	2.9	0.0	19.4	66	97.1	80.6	100.0
never attended school	62	111,533	5	6.2	0.0	38.2	57	93.8	61.8	100.0
pratoon 1-6	910	1,294,717	136	16.0	0.0	38.3	774	84.0	61.7	100.0
matayoom 1-6	482	911,660	99	17.6	0.0	67.6	383	82.4	32.4	100.0
college/certificate	61	149,891	16	18.9	0.0	100.0	45	81.1	0.0	100.0
university or upper	80	186,250	13	19.9	0.0	44.0	67	80.1	56.0	100.0
no income	74	150,722	5	12.8	0.0	100.0	69	87.2	0.0	100.0
1-4,999 baht	619	911,204	64	10.5	0.0	47.5	555	89.5	52.5	100.0
5,000-9,999 baht	458	838,276	97	19.1	0.0	75.1	361	80.9	24.9	100.0
10,000 baht upper	411	701,262	102	23.4	0.0	70.4	309	76.6	29.6	100.0

## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 6 Alcohol

Table 6.4 During the past 30 days, have you ever had heavy drinking? (male: average greater 2 standard drinks per day or female : average greater 1 standard drink)

Variable	Frequency	WgtFreq	Yes				No			
			Frequency	Percent	LowerCL	UpperCL	Frequency	Percent	LowerCL	UpperCL
overall	1,595	2,654,051	159	10.2	0.0	23.7	1,436	89.8	76.3	100.0
municipal area	711	555,063	55	6.5	2.4	10.6	656	93.5	89.4	97.6
out municipal area	884	2,098,988	104	11.1	0.0	32.3	780	88.9	67.7	100.0
male	824	1,303,751	148	18.8	0.0	49.1	676	81.2	50.9	100.0
female	771	1,350,300	11	1.8	1.3	2.3	760	98.2	97.7	98.7
15-24 years	223	543,684	24	10.5	5.4	15.6	199	89.5	84.4	94.6
25-34 years	180	401,830	28	12.9	0.0	60.9	152	87.1	39.1	100.0
35-44 years	276	461,869	36	13.2	0.0	27.3	240	86.8	72.7	100.0
45-54 years	256	519,254	33	10.6	0.0	37.6	223	89.4	62.4	100.0
55-64 years	338	452,181	31	8.7	1.6	15.8	307	91.3	84.2	98.4
65-74 years	254	214,590	6	2.0	0.9	3.1	248	98.0	96.9	99.1
75-79 years	68	60,643	1	2.2	0.0	25.0	67	97.8	75.0	100.0
never attended school	62	111,533	3	4.3	0.0	17.3	59	95.7	82.7	100.0
pratoon 1-6	910	1,294,717	87	11.6	0.0	29.0	823	88.4	71.0	100.0
matayoom 1-6	482	911,660	54	9.2	0.0	53.9	428	90.8	46.1	100.0
college/certificate	61	149,891	9	12.5	0.0	29.7	52	87.5	70.3	100.0
university or upper	80	186,250	6	6.8	0.0	71.8	74	93.2	28.2	100.0
no income	74	150,722	3	4.3	0.0	13.4	71	95.7	86.6	100.0
1-4,999 baht	619	911,204	30	5.2	0.0	15.5	589	94.8	84.5	100.0
5,000-9,999 baht	458	838,276	64	12.7	9.1	16.4	394	87.3	83.6	90.9
10,000 baht upper	411	701,262	61	15.4	0.0	58.9	350	84.6	41.1	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 7 Quality of life

Table 7.1 How about your mobility, your self-care, your usual activities, your pain or discomfort, anxiety or depression today? (QLIFE)

Variable	Frequency	WgtFreq	No problem in all aspects				Have at least one problem			
			Frequency	Percent	LowerCL	UpperCL	Frequency	Percent	LowerCL	UpperCL
overall	1,595	2,654,051	1,369	87.0	76.1	97.9	226	13.0	2.1	23.9
municipal area	711	555,063	619	88.2	73.1	100.0	92	11.8	0.0	26.9
out municipal area	884	2,098,988	750	86.7	77.9	95.5	134	13.3	4.5	22.1
male	824	1,303,751	726	87.8	49.9	100.0	98	12.2	0.0	50.1
female	771	1,350,300	643	86.2	71.3	100.0	128	13.8	0.0	28.7
15-24 years	223	543,684	209	94.9	78.9	100.0	14	5.1	0.0	21.1
25-34 years	180	401,830	172	95.9	92.1	99.7	8	4.1	0.3	7.9
35-44 years	276	461,869	253	91.4	83.7	99.1	23	8.6	0.9	16.3
45-54 years	256	519,254	229	87.2	70.5	100.0	27	12.8	0.0	29.5
55-64 years	338	452,181	271	74.9	3.1	100.0	67	25.1	0.0	96.9
65-74 years	254	214,590	191	75.0	63.9	86.2	63	25.0	13.8	36.1
75-79 years	68	60,643	44	54.1	27.0	81.1	24	45.9	18.9	73.0
never attended school	62	111,533	47	77.2	75.4	79.0	15	22.8	21.0	24.6
pratoon 1-6	910	1,294,717	740	81.1	55.6	100.0	170	18.9	0.0	44.4
matayoom 1-6	482	911,660	449	93.4	90.5	96.3	33	6.6	3.7	9.5
college/certificate	61	149,891	56	94.0	70.5	100.0	5	6.0	0.0	29.5
university or upper	80	186,250	77	97.1	69.2	100.0	3	2.9	0.0	30.8
no income	74	150,722	64	81.2	51.4	100.0	10	18.8	0.0	48.6
1-4,999 baht	619	911,204	496	83.4	67.8	98.9	123	16.6	1.1	32.2
5,000-9,999 baht	458	838,276	415	90.2	64.0	100.0	43	9.8	0.0	36.0
10,000 baht upper	411	701,262	370	89.7	67.8	100.0	41	10.3	0.0	32.2

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 8 Cholesterol

Table 8.1 How long do you have your blood lipid checked by health professional? (LASTCHOLE)

Variable	Frequency	WgtFreq	Within past 1 year ago				Over 1 to 2 years ago				More than 2 years ago				Never			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,587	2,649,431	725	38.8	11.6	66.1	78	4.7	3.0	6.4	50	3.2	0.1	6.3	734	53.3	30.8	75.8
municipal area	704	551,144	360	49.8	39.3	60.3	35	4.0	0.0	16.7	21	2.5	0.0	6.4	288	43.8	37.6	50.0
out municipal area	883	2,098,287	365	35.9	13.1	58.7	43	4.9	3.1	6.7	29	3.4	1.2	5.7	446	55.8	33.4	78.2
male	821	1,301,747	323	32.4	14.2	50.7	34	4.4	0.0	16.8	24	3.0	0.3	5.7	440	60.2	51.7	68.7
female	766	1,347,684	402	45.0	10.7	79.3	44	5.0	0.0	13.6	26	3.4	0.0	12.1	294	46.6	12.4	80.8
15-24 years	222	542,911	19	10.2	6.3	14.2	3	2.7	1.9	3.6	6	3.7	0.0	26.2	194	83.3	64.0	100.0
25-34 years	180	401,830	47	29.8	18.3	41.3	10	4.7	0.0	12.1	4	1.3	0.0	15.0	119	64.3	46.5	82.0
35-44 years	276	461,869	90	31.1	11.4	50.8	14	5.0	0.0	13.4	10	4.4	0.0	28.3	162	59.4	24.2	94.7
45-54 years	256	519,254	132	54.0	23.4	84.6	11	3.1	0.0	7.1	13	3.8	0.0	26.1	100	39.0	26.7	51.2
55-64 years	336	450,690	214	55.9	0.0	100.0	22	6.3	1.5	11.1	10	2.2	0.0	5.7	90	35.5	0.0	86.1
65-74 years	252	214,086	185	68.0	0.0	100.0	14	7.5	0.0	41.0	6	3.6	0.0	15.8	47	20.9	0.0	100.0
75-79 years	65	58,791	38	53.0	46.2	59.8	4	10.6	0.0	57.7	1	2.8	0.0	29.9	22	33.6	0.0	100.0
never attended school	62	111,533	28	33.5	6.8	60.1	3	5.3	0.4	10.3	2	1.6	0.0	17.2	29	59.6	43.6	75.6
pratoon 1-6	905	1,292,085	502	48.5	30.2	66.8	50	5.8	4.0	7.6	31	3.4	2.5	4.3	322	42.2	21.3	63.2
matayoom 1-6	479	909,672	130	24.6	0.0	64.8	19	2.7	0.2	5.3	12	2.2	1.7	2.6	318	70.5	28.2	100.0
college/certificate	61	149,891	25	43.0	24.1	62.0	3	2.4	0.0	38.3	3	11.3	0.0	68.3	30	43.2	41.1	45.4
university or upper	80	186,250	40	40.6	0.0	100.0	3	7.8	0.0	86.0	2	1.4	0.0	14.3	35	50.3	26.8	73.8
no income	74	150,722	26	38.0	14.3	61.7	3	9.3	0.0	47.5	3	5.9	0.0	52.4	42	46.8	0.0	100.0
1-4,999 baht	612	907,374	317	39.0	0.0	100.0	26	4.2	1.6	6.8	13	2.5	0.0	7.5	256	54.3	0.0	100.0
5,000-9,999 baht	458	838,276	179	35.6	27.2	43.9	24	4.1	2.8	5.5	19	3.2	0.0	17.4	236	57.2	33.2	81.2
10,000 baht upper	411	701,262	189	43.3	23.3	63.3	22	3.5	0.0	22.9	15	3.9	0.0	16.4	185	49.3	36.2	62.4



Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 8 Cholesterol

Table 8.2 Have you ever been told by doctors, nurse, or public health personals that you have hyperlipidemia? (CHOLE)

Variable	Frequency	WgtFreq	Yes				No			
			Frequency	Percent	LowerCL	UpperCL	Frequency	Percent	LowerCL	UpperCL
overall	848	1,230,050	227	20.7	0.0	86.7	621	79.3	13.3	100.0
municipal area	415	309,372	125	29.0	0.0	100.0	290	71.0	0.0	100.0
out municipal area	433	920,678	102	17.9	0.0	67.4	331	82.1	32.6	100.0
male	379	516,457	84	15.0	0.0	71.8	295	85.0	28.2	100.0
female	469	713,593	143	24.9	0.0	94.6	326	75.1	5.4	100.0
15-24 years	29	91,530	0	0.0	0.0	0.0	29	100.0	100.0	100.0
25-34 years	61	143,647	1	3.4	0.0	38.6	60	96.6	61.4	100.0
35-44 years	112	183,580	12	10.8	0.0	35.7	100	89.2	64.3	100.0
45-54 years	156	316,824	35	17.0	0.0	100.0	121	83.0	0.0	100.0
55-64 years	245	289,916	90	35.8	0.0	100.0	155	64.2	0.0	100.0
65-74 years	204	168,370	71	33.6	0.0	81.5	133	66.4	18.5	100.0
75-79 years	41	36,183	18	43.6	0.0	89.1	23	56.4	10.9	100.0
never attended school	33	45,065	7	20.0	0.0	56.2	26	80.0	43.8	100.0
pratoon 1-6	577	741,000	181	25.4	0.0	87.3	396	74.6	12.7	100.0
matayoom 1-6	162	266,287	27	16.3	0.0	96.8	135	83.7	3.2	100.0
college/certificate	31	85,120	4	2.5	2.0	3.1	27	97.5	96.9	98.0
university or upper	45	92,577	8	12.9	0.0	100.0	37	87.1	0.0	100.0
no income	32	80,170	9	24.4	0.0	100.0	23	75.6	0.0	100.0
1-4,999 baht	355	413,728	113	25.8	20.1	31.6	242	74.2	68.4	79.9
5,000-9,999 baht	221	358,412	51	16.4	0.0	100.0	170	83.6	0.0	100.0
10,000 baht upper	223	349,607	48	17.7	0.0	94.4	175	82.3	5.6	100.0

## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 9 Hypertension

Table 9.1 How long have you checked your blood pressure by doctors, nurses, health personals, or health volunteer? (LASTBP)

Variable	Frequency	WgtFreq	Within past 1 year ago				Over 1 to 2 years ago				More than 2 years ago				Never			
			Frequen	Percent	LowerC	UpperC	Frequen	Percent	LowerC	UpperC	Frequen	Percent	LowerC	UpperC	Frequen	Percent	LowerC	UpperC
overall	1,594	2,653,278	1,364	82.0	39.1	100.0	47	3.4	0.0	7.5	28	1.4	0.9	1.8	155	13.2	0.0	51.6
municipal area	710	554,290	601	84.7	35.1	100.0	26	3.9	0.0	16.8	15	1.7	0.0	7.8	68	9.7	0.0	40.2
out municipal area	884	2,098,988	763	81.3	42.4	100.0	21	3.3	1.2	5.5	13	1.3	0.5	2.0	87	14.1	0.0	51.7
male	824	1,303,751	679	80.3	54.6	100.0	24	3.2	0.0	7.5	16	1.6	0.0	6.5	105	14.9	0.0	41.3
female	770	1,349,527	685	83.6	24.5	100.0	23	3.7	0.0	7.7	12	1.2	0.0	6.8	50	11.5	0.0	61.0
15-24 years	222	542,911	139	58.4	0.0	100.0	5	3.6	0.2	7.0	8	2.0	0.0	6.1	70	36.0	0.0	100.0
25-34 years	180	401,830	127	67.0	28.7	100.0	14	9.2	0.0	26.0	3	0.8	0.0	6.0	36	23.0	0.0	49.7
35-44 years	276	461,869	240	89.2	82.4	96.0	9	3.2	0.0	6.8	3	0.7	0.0	6.6	24	6.9	0.0	23.1
45-54 years	256	519,254	236	92.9	88.5	97.3	5	1.6	0.0	5.5	6	2.2	0.0	13.3	9	3.3	0.7	5.9
55-64 years	338	452,181	318	96.2	87.7	100.0	9	1.9	0.0	11.4	6	0.8	0.0	2.3	5	1.1	0.4	1.7
65-74 years	254	214,590	239	93.1	68.7	100.0	4	1.3	0.0	4.0	2	1.7	0.0	7.4	9	3.8	0.0	20.0
75-79 years	68	60,643	65	98.1	90.5	100.0	1	0.5	0.0	6.1	0	0.0	0.0	0.0	2	1.4	0.0	14.6
never attended school	62	111,533	51	88.8	80.6	97.0	2	0.7	0.0	9.0	3	4.3	0.0	16.7	6	6.1	0.0	18.4
pratoon 1-6	910	1,294,717	837	91.3	82.0	100.0	19	2.4	0.0	10.1	14	1.4	1.2	1.5	40	4.9	3.3	6.4
matayoom 1-6	481	910,887	356	70.3	1.1	100.0	23	4.9	4.8	5.0	11	1.5	0.0	3.5	91	23.3	0.0	94.3
college/certificate	61	149,891	51	80.8	17.3	100.0	1	0.5	0.0	8.2	0	0.0	0.0	0.0	9	18.7	0.0	89.9
university or upper	80	186,250	69	71.1	0.0	100.0	2	7.2	0.0	49.8	0	0.0	0.0	0.0	9	21.7	0.0	100.0
no income	74	150,722	50	62.9	26.6	99.3	5	16.5	0.0	100.0	2	1.2	0.0	11.0	17	19.3	0.0	85.6
1-4,999 baht	618	910,431	543	82.4	54.3	100.0	11	2.1	0.5	3.7	12	1.8	0.0	4.0	52	13.7	0.0	45.7
5,000-9,999 baht	458	838,276	382	81.7	45.6	100.0	20	4.3	0.0	11.8	6	0.9	0.0	2.0	50	13.0	0.0	55.5
10,000 baht upper	411	701,262	361	85.8	11.7	100.0	11	1.5	0.0	3.8	8	1.6	0.0	3.8	31	11.1	0.0	80.7

Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 9 Hypertension

Table 9.2 Have you ever been told by doctors, nurses, or public health personals that you have hypertension? (BPHIGH)

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,436	2,301,121	331	17.0	0.0	35.5	1,105	83.0	64.5	100.0
municipal area	641	500,441	160	19.3	0.0	41.4	481	80.7	58.6	100.0
out municipal area	795	1,800,680	171	16.4	0.8	32.1	624	83.6	67.9	99.2
male	717	1,107,923	136	14.1	0.9	27.2	581	85.9	72.8	99.1
female	719	1,193,197	195	19.8	0.0	41.9	524	80.2	58.1	100.0
15-24 years	153	348,006	1	0.4	0.0	3.3	152	99.6	96.7	100.0
25-34 years	144	309,494	2	1.0	0.0	7.9	142	99.0	92.1	100.0
35-44 years	252	430,194	21	7.7	2.4	13.1	231	92.3	86.9	97.6
45-54 years	246	501,042	53	16.3	0.0	33.7	193	83.7	66.3	100.0
55-64 years	333	447,413	117	37.0	17.0	57.0	216	63.0	43.0	83.0
65-74 years	243	205,672	107	40.5	0.0	100.0	136	59.5	0.0	100.0
75-79 years	65	59,300	30	40.3	0.0	100.0	35	59.7	0.0	100.0
never attended school	56	104,680	19	26.4	6.8	46.1	37	73.6	53.9	93.2
pratoon 1-6	867	1,230,430	263	25.0	0.0	60.8	604	75.0	39.2	100.0
matayoom 1-6	390	698,359	37	6.7	0.0	22.4	353	93.3	77.6	100.0
college/certificate	52	121,854	2	1.0	0.2	1.8	50	99.0	98.2	99.8
university or upper	71	145,798	10	6.2	0.0	38.8	61	93.8	61.2	100.0
no income	57	121,617	10	14.7	0.0	91.9	47	85.3	8.1	100.0
1-4,999 baht	564	785,464	177	21.2	0.7	41.8	387	78.8	58.2	99.3
5,000-9,999 baht	407	727,909	73	14.7	0.2	29.2	334	85.3	70.8	99.8
10,000 baht upper	380	623,555	64	13.7	0.0	37.0	316	86.3	63.0	100.0

## Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

## Part 9 Hypertension

Table 9.3 How many times did you see a doctors or a nurse or a health personals for hypertension treatment in the last 12 months? (FRECARBP)

Variable	Frequency	WgtFreq	Never				One or two times per year				three or four times per year				five or six times per year				more than six times per year				
			Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	
overall	327	385,032	19	6.2	0.0	25.1	16	12.4	0.0	100.0	97	25.9	0.0	61.6	119	31.3	0.0	100.0	76	24.2	21.8	26.6	
municipal area	159	96,037	8	5.1	0.0	27.6	7	4.7	0.0	24.0	47	26.5	0.0	90.8	61	38.8	0.0	93.2	36	25.0	11.9	38.0	
out municipal area	168	288,995	11	6.6	0.0	23.1	9	15.0	0.0	100.0	50	25.7	0.0	94.0	58	28.9	0.0	100.0	40	23.9	22.0	25.8	
male	135	154,155	8	6.8	0.0	26.2	8	23.4	0.0	100.0	42	21.3	0.0	94.2	47	26.5	0.0	100.0	30	21.9	3.5	40.2	
female	192	230,877	11	5.8	0.0	49.7	8	5.0	0.0	20.0	55	28.9	20.9	37.0	72	34.5	0.0	95.0	46	25.7	16.0	35.3	
15-24 years	1	1,424	1	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	
25-34 years	2	3,064	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	2	100.0	100.0	100.0
35-44 years	21	33,267	4	23.0	0.0	50.5	2	12.2	0.0	100.0	8	37.1	0.0	100.0	4	18.4	0.0	61.3	3	9.4	0.0	22.2	
45-54 years	53	79,302	7	11.5	0.0	80.7	2	2.6	0.0	27.1	15	18.6	0.0	56.6	11	27.6	0.0	100.0	18	39.6	0.0	100.0	
55-64 years	114	161,046	5	2.7	0.0	13.0	4	22.0	0.0	100.0	31	25.9	15.7	36.0	48	31.2	0.0	100.0	26	18.2	0.0	74.9	
65-74 years	106	83,042	2	1.7	0.0	16.5	6	6.7	0.0	45.8	35	28.9	0.0	100.0	43	37.5	19.7	55.3	20	25.3	0.0	87.3	
75-79 years	30	23,887	0	0	0	0	2	2.7	0.0	8.2	8	28.9	17.3	40.5	13	46.7	8.7	84.8	7	21.6	0.0	53.6	
never attended school	18	25,606	3	26.1	0.0	82.3	0	0.0	0.0	0.0	6	21.8	0.0	53.8	4	11.5	0.0	92.3	5	40.5	0.0	97.0	
pratoon 1-6	260	301,476	13	4.0	0.0	17.9	13	14.6	0.0	100.0	80	28.4	0.0	62.0	97	31.5	0.0	100.0	57	21.5	19.5	23.4	
matayoom 1-6	37	47,603	3	10.7	0.0	100.0	3	8.0	0.0	39.2	6	7.5	0.0	45.1	15	43.9	42.0	45.8	10	29.8	0.0	100.0	
college/certificate	2	1,254	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	26.0	0.0	100.0	1	74.0	0.0	100.0	
university or upper	10	9,093	0	0.0	0.0	0.0	0	0.0	0.0	0.0	5	53.6	32.0	75.1	2	15.2	0.0	47.2	3	31.2	0.0	84.7	
no income	10	17,924	0	0.0	0.0	0.0	1	11.0	0.0	92.0	2	34.0	0.0	100.0	4	43.2	0.0	100.0	3	11.8	0.0	26.9	
1-4,999 baht	174	162,414	11	9.3	0.0	50.5	6	2.8	0.0	27.7	46	27.6	24.6	30.6	70	34.9	0.0	84.1	41	25.5	5.6	45.4	
5,000-9,999 baht	74	108,279	3	2.4	0.0	26.0	5	32.3	0.0	100.0	29	28.3	0.0	100.0	27	27.1	0.0	100.0	10	10.0	0.0	40.4	
10,000 baht upper	63	85,077	2	5.2	0.0	40.7	4	7.4	0.0	24.9	20	21.3	0.0	63.4	17	26.3	0.0	100.0	20	39.8	0.0	100.0	



Behavioral Risk Factor Surveillance System 2015 (Health Regional 2)

Part 9 Hypertension

Table 9.4 How many times did you get a blood examination for renal function test and complication from hypertension which was ordered by doctor in the last 12 months? (HTRENEX)

Variable	Frequency	WgtFreq	Never				One or two times per year				Three or four times per year				Five or six times per year				More than six times per year			
			Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl	Frequen	Percent	LowerCl	UpperCl
overall	325	379,270	121	44.8	0.0	100.0	149	42.2	8.3	76.1	32	7.3	0.0	35.3	11	2.9	0.0	29.1	12	2.8	0.0	23.7
municipal area	159	96,084	54	34.8	15.4	54.2	79	50.8	34.0	67.6	17	9.4	0.0	24.4	3	1.7	0.0	13.9	6	3.3	0.0	8.7
out municipal area	166	283,187	67	48.2	0.0	100.0	70	39.3	7.4	71.1	15	6.6	0.0	47.3	8	3.3	0.0	35.4	6	2.6	0.0	28.3
male	133	148,347	51	52.3	0.0	100.0	60	34.5	0.0	100.0	11	3.9	2.4	5.5	6	5.3	0.0	54.5	5	3.9	0.0	28.9
female	192	230,923	70	40.0	0.0	99.9	89	47.1	30.3	63.9	21	9.4	0.0	55.3	5	1.4	0.0	13.6	7	2.1	0.0	20.7
15-24 years	1	1,424	1	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
25-34 years	2	3,064	1	18.0	0.0	100.0	1	82.0	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
35-44 years	21	33,267	13	61.6	0.0	100.0	4	20.2	0.0	100.0	4	18.2	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
45-54 years	53	79,302	27	50.0	0.0	100.0	18	36.9	0.0	78.6	4	4.8	0.0	50.0	0	0.0	0.0	0.0	4	8.2	0.0	63.4
55-64 years	113	156,521	32	41.8	0.0	100.0	61	45.8	0.0	100.0	8	5.3	0.0	18.8	6	5.1	0.0	54.1	6	2.1	0.0	21.9
65-74 years	106	82,100	39	43.2	7.0	79.4	47	42.2	30.2	54.1	13	9.9	0.0	27.4	5	3.7	0.0	36.0	2	1.1	0.0	10.5
75-79 years	29	23,593	8	29.7	0.0	74.1	18	64.3	62.2	66.4	3	6.0	0.0	52.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0
never attended school	18	25,606	11	76.4	48.1	100.0	4	14.8	12.8	16.8	3	8.8	0.0	35.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0
pratoon 1-6	257	295,373	92	45.4	0.0	100.0	119	41.9	27.3	56.6	25	7.6	0.0	39.7	10	2.4	0.0	23.7	11	2.6	0.0	20.0
matayoom 1-6	38	47,944	15	30.0	0.0	80.7	18	51.2	0.0	100.0	3	4.7	0.0	23.7	1	8.1	0.0	63.5	1	6.1	0.0	47.6
college/certificate	2	1,254	1	74.0	0.0	100.0	1	26.0	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
university or upper	10	9,093	2	10.7	0.0	100.0	7	82.6	0.0	100.0	1	6.7	0.0	20.9	0	0.0	0.0	0.0	0	0.0	0.0	0.0
no income	10	17,924	3	11.8	0.0	26.9	6	84.2	69.5	98.9	0	0.0	0.0	0.0	1	4.0	0.0	33.8	0	0.0	0.0	0.0
1-4,999 baht	172	160,837	60	40.1	0.0	100.0	75	42.1	24.2	60.1	22	11.7	0.0	64.7	8	3.7	0.0	36.2	7	2.3	0.0	22.7
5,000-9,999 baht	74	108,279	32	62.5	0.0	100.0	34	32.5	0.0	100.0	5	3.4	0.0	22.3	1	0.4	0.0	4.5	2	1.2	0.0	13.4
10,000 baht upper	64	85,418	23	39.4	0.0	100.0	32	43.4	3.2	83.7	5	6.0	0.0	46.1	1	4.5	0.0	40.3	3	6.6	0.0	37.9

