

CORE TABLE

BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM 2015
(BRFSS 2015)

Health Regional 12

Bureau of Non-communicable diseases
Department of Disease Control

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

www.ThaiNcd.com
www.facebook.com/thaincd

สำนักโรคไม่ติดต่อ
กรมควบคุมโรค

CORE TABLE

BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM 2015

(BRFSS 2015)

Health Regional 12

Bureau of Non-communicable diseases

Department of Disease Control

Dr. Kamolthip Vijitsoonthornkul and Mr. Kanthabhon Tabhun Analyst and Reporter

12 October 2015

Table List

Behavioral Risk Factor Surveillance System 2015 (Health Regional Level)

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

Part 1 General health

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

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

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

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)

Part 2 Accessibility to health services

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

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

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

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

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

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

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

Part 3 Weight and height

Table 3.1 How much is your BMI?

Part 4 Vegetable and fruit intake

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

Part 5 Tobacco

Table 5.1 Are you a smoker of cigarettes?

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)

Part 6 Alcohol

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

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

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

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

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)

Part 8 Cholesterol

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

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

Part 9 Hypertension

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

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

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)

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)

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)

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

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

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)

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

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

Part 11 injury

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

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

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

Table 11.4 How often did you feasten safety belt when you sat beside a driver in a car? (SEATBEPA)

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? (MUSSKELE)

Part 13 Women (female age 35 -79 years)

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

Table 13.2 When were the last time, you received a cervix cancer screening? (LASTPAP_3y)

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

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

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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
overall	1,847	100.0	916	52.3	931	47.7
gender						
male	886	48.5	422	47.4	464	49.7
female	961	51.5	494	52.6	467	50.3
age group						
15-19 years	166	11.5	84	13.2	82	9.5
20-24 years	92	8.8	53	10.2	39	7.2
25-29 years	110	8.5	56	7.2	54	10.0
30-34 years	126	9.4	68	7.6	58	11.4
35-39 years	117	13.0	53	12.9	64	13.1
40-44 years	174	7.5	83	6.4	91	8.7
45-49 years	159	7.8	72	6.9	87	8.8
50-54 years	166	8.4	83	8.1	83	8.7
55-59 years	156	10.2	85	13.0	71	7.2
60-64 years	215	5.1	114	5.1	101	5.2
65-69 years	154	4.1	67	3.4	87	4.9
70-74 years	109	2.8	42	2.4	67	3.3
75-79 years	103	2.8	56	3.5	47	2.0
education level						
never attended school	157	4.1	65	2.9	92	5.4
lower pratom	99	6.0	40	4.9	59	7.3
pratom 1-6	698	33.1	368	36.5	330	29.3
pre-high school (matayom 3)	264	21.3	137	21.7	127	20.9
high school (matayom 6)/pre-vocational school	319	19.0	155	15.7	164	22.7
high-vocational school /college	111	7.0	50	7.5	61	6.5
university or upper	193	9.4	99	10.8	94	7.9
personal income						
no income	113	8.9	64	11.2	49	6.6
1-999 baht	122	4.0	70	5.3	52	2.6
1,000 - 4,999 baht	389	16.4	174	15.5	215	17.3
5,000 - 9,999 baht	586	38.3	300	37.9	286	38.6
10,000 - 24,999 baht	441	27.4	209	26.6	232	28.2
25,000 - 49,999 baht	84	4.1	33	2.7	51	5.5
50,000 baht and upper	14	1.0	9	0.8	5	1.2
religion						
buddhism	834	54.5	415	55.2	419	53.8
christianity	12	0.6	4	0.7	8	0.4
isalam	1,001	44.9	497	44.1	504	45.8

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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
marital status						
single	361	26.3	192	30.0	169	22.2
a member of unmarried couple	144	8.6	75	8.6	69	8.5
married	1,202	60.8	587	57.5	615	64.5
separate	23	1.4	12	1.4	11	1.3
divorce	117	2.9	50	2.5	67	3.4
work status						
managers	17	0.4	13	0.4	4	0.4
professionals	67	3.0	31	2.9	36	3.0
technicians and associate professionals	21	1.2	10	1.2	11	1.3
clerical support workers	37	2.6	18	3.7	19	1.6
service and sales workers	53	3.7	25	3.5	28	3.9
skilled agricultural, forestry and fishery workers	40	3.7	16	4.3	24	3.1
craft and related trades workers	484	44.8	194	34.6	290	54.2
plant and machine operators and assemblers	11	0.8	5	0.7	6	1.0
elementary occupations	501	38.9	278	47.2	223	31.1
armed forces occupations	11	0.90	7	1.4	4	0.4
money status						
have not enough money and have debt for daily expenditure	345	15.7	178	13.8	167	17.8
pay carefully and economize	1,068	55.2	549	58.7	519	51.5
had enough situation	248	14.3	103	11.8	145	16.9
good economic situation	140	14.8	60	15.8	80	13.8
family income						
no income	30	4.1	15	6.0	15	2.3
1- 999 baht	26	1.7	14	2.3	12	1.1
1,000 - 4,999 baht	137	6.2	71	7.6	66	4.8
5,000 - 9,999 baht	399	23.5	197	20.5	202	26.4
10,000 - 24,999 baht	687	48.5	338	49.0	349	48.0
25,000 - 49,999 baht	207	11.2	94	9.9	113	12.4
50,000 - 99,999 baht	106	4.2	47	4.2	59	4.3
100,000 - 499,999 baht	14	0.5	11	0.5	3	0.6
500,000 baht and upper	1	0.1	-	-	1	0.1

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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			
			frequency	Percent	LowerCL	UpperCL	frequency	Percent	LowerCL	UpperCL
overall	1,847	3,986,079	1,235	72.4	55.0	89.8	612	27.6	10.2	45.0
municipal area	916	2,085,658	625	72.3	67.5	77.1	291	27.7	22.9	32.5
out municipal area	931	1,900,421	610	72.6	41.9	100.0	321	27.4	0.0	58.1
male	886	1,932,907	643	76.3	49.0	100.0	243	23.7	0.0	51.0
female	961	2,053,172	592	68.7	61.1	76.3	369	31.3	23.7	38.9
15-24 years	258	805,887	235	90.4	83.9	97.0	23	9.6	3.0	16.1
25-34 years	236	716,344	198	81.5	63.9	99.2	38	18.5	0.8	36.1
35-44 years	291	818,339	228	80.8	70.5	91.2	63	19.2	8.8	29.5
45-54 years	325	645,916	234	68.1	27.0	100.0	91	31.9	0.0	73.0
55-64 years	371	612,057	204	53.4	35.1	71.7	167	46.6	28.3	64.9
65-74 years	263	276,390	107	40.5	33.8	47.1	156	59.5	52.9	66.2
75-79 years	103	111,146	29	29.8	20.8	38.8	74	70.2	61.2	79.2
never attended school	157	163,780	62	48.0	41.8	54.2	95	52.0	45.8	58.2
pratoon 1-6	797	1,556,440	469	59.5	31.4	87.5	328	40.5	12.5	68.6
matayoom 1-6	583	1,606,354	443	80.6	77.0	84.3	140	19.4	15.7	23.0
college/certificate	111	279,451	93	91.3	77.5	100.0	18	8.7	0.0	22.5
university or upper	193	374,724	166	87.5	76.1	98.9	27	12.5	1.1	23.9
no income	113	328,316	84	83.7	80.2	87.1	29	16.3	12.9	19.8
1-4,999 baht	511	747,867	288	65.5	35.5	95.6	223	34.5	4.4	64.5
5,000-9,999 baht	586	1,405,168	387	70.3	53.6	86.9	199	29.7	13.1	46.4
10,000 baht upper	539	1,191,037	419	77.5	57.2	97.8	120	22.5	2.2	42.8

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,841	3,972,387	1,353	80.0	56.5	100.0	152	5.6	0.0	19.3	249	11.1	6.5	15.8	87	3.3	0.0	8.4
municipal area	910	2,071,966	675	83.1	75.0	91.2	83	6.2	3.6	8.8	117	9.1	7.2	11.1	35	1.6	0.0	5.1
out municipal area	931	1,900,421	678	76.6	48.8	100.0	69	4.9	0.0	33.1	132	13.3	12.9	13.8	52	5.1	5.0	5.2
male	883	1,928,296	690	81.4	71.3	91.5	63	5.8	0.0	13.3	101	10.9	9.5	12.2	29	1.9	0.7	3.1
female	958	2,044,091	663	78.6	42.3	100.0	89	5.4	0.0	24.9	148	11.4	3.5	19.3	58	4.6	0.0	13.6
15-24 years	257	802,670	222	91.0	62.5	100.0	14	2.7	0.0	11.1	21	6.3	0.0	26.4	0	0.0	0.0	0.0
25-34 years	236	716,344	190	76.5	74.3	78.6	11	2.4	0.0	41.7	26	16.3	0.0	55.4	9	4.8	2.8	6.7
35-44 years	290	815,123	208	77.5	57.3	97.7	24	6.3	0.0	14.9	40	11.1	10.4	11.9	18	5.1	0.0	15.9
45-54 years	324	643,268	244	81.9	40.1	100.0	34	6.7	0.0	27.7	37	9.9	0.0	26.8	9	1.4	0.0	5.4
55-64 years	371	612,057	267	77.7	59.3	96.2	31	10.2	8.0	12.3	58	9.0	0.0	21.3	15	3.1	0.0	7.2
65-74 years	263	276,390	158	69.6	15.6	100.0	30	7.5	1.5	13.5	47	16.1	0.0	45.8	28	6.8	0.0	25.1
75-79 years	100	106,535	64	67.7	49.2	86.2	8	4.6	0.0	14.7	20	20.1	13.6	26.6	8	7.6	5.7	9.5
never attended school	156	162,243	89	67.1	0.0	100.0	20	10.1	4.2	16.0	32	17.4	0.0	88.3	15	5.5	0.0	20.0
pratoon 1-6	793	1,547,502	555	77.7	52.9	100.0	67	6.5	0.0	16.8	121	11.4	10.4	12.3	50	4.4	0.0	18.0
matayoom 1-6	582	1,603,137	455	80.3	61.1	99.4	47	5.8	0.0	24.6	64	11.3	10.7	12.0	16	2.6	2.4	2.8
college/certificate	111	279,451	91	89.3	55.0	100.0	7	1.5	0.0	19.0	12	8.1	0.0	28.3	1	1.1	0.0	4.5
university or upper	193	374,724	160	87.0	78.8	95.2	10	1.5	0.0	15.5	19	9.1	6.2	11.9	4	2.5	0.0	5.5
no income	113	328,316	82	85.4	0.0	100.0	9	3.4	0.0	36.3	16	6.9	0.0	67.8	6	4.4	0.0	20.9
1-4,999 baht	511	747,867	348	80.8	48.7	100.0	51	5.2	0.0	27.1	75	9.9	6.7	13.1	37	4.1	0.0	11.1
5,000-9,999 baht	586	1,405,168	410	71.4	69.6	73.3	54	9.1	4.6	13.7	94	15.6	11.4	19.9	28	3.8	2.3	5.4
10,000 baht upper	538	1,187,821	433	85.3	59.2	100.0	34	3.3	0.0	21.6	56	8.9	5.2	12.6	15	2.6	0.0	6.6

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,840	3,969,740	1,612	89.0	86.7	91.2	103	4.4	4.2	4.6	90	5.7	3.3	8.0	35	0.9	0.0	5.7
municipal area	909	2,069,319	786	88.8	86.5	91.0	62	4.2	1.8	6.7	46	6.5	4.5	8.6	15	0.5	0.0	2.3
out municipal area	931	1,900,421	826	89.2	86.2	92.3	41	4.6	0.8	8.4	44	4.8	4.1	5.5	20	1.4	0.0	7.6
male	883	1,928,296	801	91.6	85.6	97.6	38	3.4	2.3	4.6	29	4.3	3.6	5.0	15	0.6	0.0	8.4
female	957	2,041,444	811	86.5	85.5	87.5	65	5.3	4.5	6.2	61	7.0	3.2	10.8	20	1.2	0.0	3.1
15-24 years	257	802,670	243	94.2	92.1	96.3	5	3.4	0.0	9.3	6	2.0	0.0	5.3	3	0.4	0.0	7.7
25-34 years	236	716,344	210	89.0	86.3	91.8	13	4.0	0.0	14.0	12	6.6	0.7	12.4	1	0.4	0.0	1.8
35-44 years	289	812,475	239	84.1	81.6	86.5	24	5.9	3.8	8.0	20	8.7	5.1	12.3	6	1.3	0.0	4.5
45-54 years	324	643,268	274	88.3	72.7	100.0	26	6.2	3.8	8.6	14	4.0	0.1	7.9	10	1.6	0.0	15.6
55-64 years	371	612,057	329	90.2	84.0	96.4	14	2.9	2.1	3.6	23	6.3	0.4	12.2	5	0.6	0.0	1.6
65-74 years	263	276,390	230	88.3	87.1	89.6	15	3.4	0.3	6.4	11	7.2	0.0	19.3	7	1.1	0.0	11.4
75-79 years	100	106,535	87	86.2	60.7	100.0	6	3.7	0.0	10.8	4	7.8	0.0	20.4	3	2.4	0.0	8.0
never attended school	156	162,243	133	84.5	65.3	100.0	7	2.1	0.0	4.2	11	11.1	10.8	11.3	5	2.4	0.0	23.5
pratoon 1-6	792	1,544,855	665	87.4	70.1	100.0	60	5.1	0.6	9.5	47	6.5	0.0	13.4	20	1.1	0.0	7.0
matayoom 1-6	582	1,603,137	520	88.7	84.2	93.2	27	4.5	3.4	5.6	25	5.9	0.0	13.7	10	0.9	0.0	5.4
college/certificate	111	279,451	106	95.8	92.8	98.9	4	3.7	0.0	8.3	1	0.5	0.0	2.0	0	0.0	0.0	0.0
university or upper	193	374,724	183	94.0	70.3	100.0	5	2.9	0.0	13.7	5	3.1	0.0	16.0	0	0.0	0.0	0.0
no income	113	328,316	98	93.1	51.1	100.0	8	4.9	0.0	42.8	3	0.6	0.0	4.0	4	1.4	0.6	2.1
1-4,999 baht	511	747,867	448	88.4	86.3	90.6	25	5.1	0.0	18.9	22	4.6	0.3	8.9	16	1.8	0.0	9.1
5,000-9,999 baht	586	1,405,168	499	85.5	80.1	91.0	37	5.2	3.1	7.4	42	8.5	6.9	10.0	8	0.8	0.0	6.9
10,000 baht upper	537	1,185,173	486	92.3	86.5	98.2	31	3.8	1.3	6.2	14	3.4	0.0	9.5	6	0.6	0.0	3.3

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,840	3,969,740	1,768	97.3	95.3	99.3	31	0.8	0.0	3.5	27	1.4	0.4	2.4	14	0.5	0.2	0.8
municipal area	909	2,069,319	864	96.6	96.6	96.7	25	1.0	0.0	2.2	16	2.1	1.0	3.3	4	0.2	0.2	0.2
out municipal area	931	1,900,421	904	98.1	91.0	100.0	6	0.5	0.0	6.0	11	0.6	0.0	2.7	10	0.8	0.3	1.3
male	883	1,928,296	855	98.5	97.3	99.8	14	0.8	0.1	1.5	9	0.4	0.0	1.1	5	0.3	0.0	1.5
female	957	2,041,444	913	96.1	93.2	99.1	17	0.8	0.0	6.6	18	2.4	0.0	4.8	9	0.7	0.2	1.2
15-24 years	257	802,670	254	99.4	95.5	100.0	2	0.6	0.0	3.7	1	0.0	0.0	0.8	0	0.0	0.0	0.0
25-34 years	236	716,344	232	98.3	87.8	100.0	2	0.6	0.0	10.3	2	1.1	0.4	1.9	0	0.0	0.0	0.0
35-44 years	289	812,475	278	95.4	90.4	100.0	7	1.2	0.0	2.7	4	3.4	0.0	9.9	0	0.0	0.0	0.0
45-54 years	324	643,268	312	97.8	97.4	98.2	7	0.5	0.0	2.2	1	0.2	0.0	0.8	4	1.4	0.8	2.1
55-64 years	371	612,057	358	97.5	96.9	98.1	3	0.3	0.0	0.6	7	1.4	0.4	2.5	3	0.7	0.6	0.9
65-74 years	263	276,390	242	94.1	84.6	100.0	8	2.3	0.0	6.5	8	2.9	1.5	4.2	5	0.7	0.0	13.1
75-79 years	100	106,535	92	94.0	88.2	99.8	2	0.1	0.0	2.3	4	2.3	0.5	4.1	2	3.6	0.0	13.3
never attended school	156	162,243	144	97.7	82.1	100.0	3	1.1	0.0	3.2	7	0.9	0.0	14.1	2	0.3	0.0	4.8
pratoon 1-6	792	1,544,855	753	96.9	94.1	99.7	14	0.4	0.0	2.1	15	1.6	1.6	1.7	10	1.0	0.0	2.2
matayoom 1-6	582	1,603,137	566	96.8	96.8	96.9	9	1.1	0.0	3.9	5	1.9	0.0	4.5	2	0.2	0.1	0.3
college/certificate	111	279,451	108	98.8	86.2	100.0	3	1.2	0.0	13.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0
university or upper	193	374,724	191	99.5	98.9	100.0	2	0.5	0.0	1.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0
no income	113	328,316	108	97.6	78.4	100.0	3	1.6	0.0	23.1	2	0.8	0.0	3.2	0	0.0	0.0	0.0
1-4,999 baht	511	747,867	484	97.2	95.6	98.9	9	0.1	0.0	1.9	11	2.2	0.0	6.5	7	0.4	0.0	4.5
5,000-9,999 baht	586	1,405,168	568	96.3	96.0	96.5	6	0.9	0.0	3.3	8	2.2	0.5	3.9	4	0.7	0.0	1.7
10,000 baht upper	537	1,185,173	516	97.9	97.8	98.0	13	1.1	0.1	2.1	5	0.4	0.0	1.8	3	0.6	0.1	1.1

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,841	3,983,818	1,160	57.2	53.0	61.4	54	3.2	1.4	5.0	28	2.7	0.0	9.9	599	36.9	23.7	50.2
municipal area	914	2,085,565	581	56.2	53.6	58.8	39	5.0	2.7	7.3	16	3.4	0.5	6.3	278	35.4	27.6	43.2
out municipal area	927	1,898,252	579	58.3	48.2	68.4	15	1.2	0.0	7.3	12	1.8	0.0	10.7	321	38.6	25.6	51.6
male	882	1,931,576	485	46.9	40.9	53.0	28	3.2	0.7	5.6	10	1.7	0.0	6.5	359	48.2	34.8	61.5
female	959	2,052,242	675	66.9	65.6	68.1	26	3.2	2.0	4.4	18	3.6	0.0	13.0	240	26.3	14.5	38.2
15-24 years	258	805,887	44	17.4	7.6	27.1	2	1.1	0.0	4.0	3	0.9	0.8	1.0	209	80.7	73.9	87.5
25-34 years	236	716,344	107	46.4	43.4	49.4	6	1.4	0.0	8.2	5	4.5	0.0	20.9	118	47.7	41.1	54.3
35-44 years	291	818,339	199	70.7	56.8	84.6	8	3.5	0.0	8.5	7	4.2	0.0	15.9	77	21.6	0.9	42.3
45-54 years	325	645,916	235	72.3	54.9	89.6	12	5.4	0.0	13.7	4	2.2	0.0	8.4	74	20.2	17.4	23.0
55-64 years	371	612,057	281	73.4	68.0	78.8	16	5.8	0.0	11.6	5	1.5	0.0	4.4	69	19.4	5.3	33.5
65-74 years	259	274,370	208	78.6	63.5	93.7	8	3.6	0.0	11.8	3	2.6	0.0	9.5	40	15.2	15.2	15.2
75-79 years	101	110,906	86	87.1	82.6	91.7	2	0.1	0.0	1.9	1	3.1	0.0	11.0	12	9.7	0.0	20.3
never attended school	153	161,611	114	67.7	34.0	100.0	5	4.0	3.4	4.7	2	5.4	0.0	30.1	32	22.8	13.1	32.6
pratoon 1-6	796	1,556,397	581	65.7	62.7	68.7	30	3.8	1.5	6.1	14	3.0	0.0	9.8	171	27.5	26.0	28.9
matayoom 1-6	582	1,606,304	292	49.7	43.0	56.3	11	1.4	0.1	2.8	9	2.2	0.0	7.0	270	46.7	36.6	56.8
college/certificate	111	279,451	61	46.0	22.5	69.4	2	5.3	0.0	22.2	0	0.0	0.0	0.0	48	48.7	42.1	55.3
university or upper	193	374,724	109	58.5	10.4	100.0	6	6.4	0.0	36.3	3	4.1	0.0	25.4	75	31.0	0.0	100.0
no income	113	328,316	52	41.3	3.5	79.1	1	0.6	0.0	2.2	0	0.0	0.0	0.0	60	58.1	22.0	94.3
1-4,999 baht	506	745,655	322	50.8	27.8	73.8	12	2.2	0.0	9.5	5	2.8	0.0	15.5	167	44.1	1.3	87.0
5,000-9,999 baht	585	1,405,118	392	62.4	59.8	65.0	19	3.3	1.8	4.8	13	3.2	0.0	9.8	161	31.0	20.4	41.7
10,000 baht upper	539	1,191,037	338	63.3	51.4	75.3	20	4.2	2.4	5.9	8	2.4	0.0	10.2	173	30.0	12.1	47.9

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

Part 10 Diabetes

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

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,241	2,507,701	111	6.3	3.1	9.5	1,130	93.7	90.5	96.9
municipal area	634	1,347,232	62	6.7	6.3	7.0	572	93.3	93.0	93.7
out municipal area	607	1,160,469	49	5.9	0.9	10.8	558	94.1	89.2	99.1
male	525	1,001,872	43	7.3	2.5	12.1	482	92.7	87.9	97.5
female	716	1,505,829	68	5.6	3.5	7.8	648	94.4	92.2	96.5
15-24 years	48	155,139	0	0.0	0.0	0.0	48	100.0	100.0	100.0
25-34 years	116	374,453	3	1.8	0.0	6.0	113	98.2	94.0	100.0
35-44 years	213	637,268	5	1.2	0.0	3.2	208	98.8	96.8	100.0
45-54 years	250	512,664	18	6.9	0.0	20.3	232	93.1	79.7	100.0
55-64 years	301	493,296	41	12.1	3.5	20.7	260	87.9	79.3	96.5
65-74 years	222	234,489	32	11.4	1.2	21.5	190	88.6	78.5	98.8
75-79 years	91	100,391	12	21.9	0.0	60.8	79	78.1	39.2	100.0
never attended school	125	126,895	13	10.9	0.0	37.9	112	89.1	62.1	100.0
pratoon 1-6	623	1,121,731	65	7.5	3.5	11.4	558	92.5	88.6	96.5
matayoom 1-6	310	855,657	19	3.7	2.9	4.6	291	96.3	95.4	97.1
college/certificate	62	143,223	8	7.8	0.0	19.9	54	92.2	80.1	100.0
university or upper	118	258,467	6	6.6	0.0	20.4	112	93.4	79.6	100.0
no income	53	137,419	6	6.9	2.8	11.0	47	93.1	89.0	97.2
1-4,999 baht	341	418,155	37	5.3	0.0	13.4	304	94.7	86.6	100.0
5,000-9,999 baht	424	966,387	34	6.4	0.0	15.6	390	93.6	84.4	100.0
10,000 baht upper	363	828,945	31	7.1	3.4	10.7	332	92.9	89.3	96.6

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	113	162,180	24	28.9	0.0	75.0	17	17.8	0.0	40.1	34	24.4	0.0	99.2	19	16.6	10.6	22.6	19	12.3	11.9	12.7
municipal area	64	90,028	13	26.0	13.4	38.7	10	28.3	2.7	53.9	18	18.3	0.0	40.6	10	16.5	7.7	25.3	13	10.9	0.0	35.7
out municipal area	49	72,152	11	32.4	0.0	100.0	7	4.7	0.0	34.5	16	32.1	0.0	100.0	9	16.8	13.8	19.7	6	14.1	0.0	52.4
male	41	71,369	8	31.5	0.0	83.8	9	24.1	0.0	54.3	12	28.3	0.0	86.1	5	10.0	0.0	23.6	7	6.1	0.0	44.4
female	72	90,811	16	26.8	0.0	64.7	8	12.8	4.9	20.7	22	21.4	0.0	100.0	14	21.8	13.3	30.3	12	17.2	0.0	56.0
15-24 years																						
25-34 years	5	6,873	3	93.1	0.0	100.0	0	0.0	0.0	0.0	1	1.6	0.0	29.4	0	0.0	0.0	0.0	1	5.3	0.0	100.0
35-44 years	6	11,634	0	0.0	0.0	0.0	2	8.6	0.0	95.4	3	70.6	0.0	100.0	1	20.8	0.0	100.0	0	0.0	0.0	0.0
45-54 years	17	34,082	2	8.7	0.0	38.7	2	30.2	0.0	100.0	8	49.9	41.6	58.3	2	6.2	0.0	100.0	3	5.0	0.0	81.7
55-64 years	41	60,974	7	29.2	17.5	40.9	7	21.7	4.6	38.8	10	11.1	0.0	48.4	5	13.5	0.0	27.4	12	24.6	6.7	42.6
65-74 years	32	26,627	10	57.0	0.0	100.0	6	16.3	1.7	30.9	8	9.9	0.0	80.0	6	9.9	6.0	13.9	2	6.8	0.0	17.2
75-79 years	12	21,990	2	20.4	5.8	35.0	0	0.0	0.0	0.0	4	22.2	20.4	24.0	5	52.5	32.7	72.4	1	4.8	1.4	8.3
never attended school	14	15,203	2	12.3	0.0	100.0	2	8.9	0.0	22.3	6	14.6	0.0	70.9	3	53.4	0.0	100.0	1	10.8	0.0	54.3
pratoon 1-6	65	87,538	16	27.9	0.0	87.3	6	14.8	0.0	39.4	15	28.5	0.0	96.1	12	9.9	0.0	20.7	16	18.8	13.3	24.3
matayoom 1-6	21	32,342	4	18.9	0.0	60.5	7	43.8	0.0	100.0	8	18.4	0.0	100.0	1	17.8	0.0	71.4	1	1.1	0.0	20.1
college/certificate	8	11,099	1	28.6	0.0	100.0	1	0.9	0.0	14.1	4	57.8	0.0	100.0	2	12.7	0.0	100.0	0	0.0	0.0	0.0
university or upper	5	15,998	1	70.1	40.6	99.6	1	1.6	0.0	32.8	1	0.5	0.0	10.6	1	18.5	10.7	26.3	1	9.3	5.4	13.2
no income	6	9,486	2	47.8	0.0	100.0	2	20.2	0.0	100.0	0	0.0	0.0	0.0	2	32.0	0.0	88.4	0	0.0	0.0	0.0
1-4,999 baht	38	22,302	9	36.1	0.0	100.0	4	3.9	0.0	59.7	11	21.8	0.0	100.0	9	30.0	0.0	100.0	5	8.2	0.0	26.0
5,000-9,999 baht	34	62,282	7	32.8	12.2	53.5	7	24.9	11.5	38.3	9	12.7	0.0	32.8	3	11.3	3.4	19.2	8	18.2	0.0	40.2
10,000 baht upper	32	63,016	4	15.8	1.9	29.8	4	16.8	0.0	70.6	13	40.6	0.0	100.0	5	16.1	2.3	29.9	6	10.7	9.0	12.5

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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				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	110	159,083	61	68.3	3.3	100.0	30	6.7	0.0	38.3	11	15.5	0.0	62.4	7	7.9	0.0	17.6	1	1.5	0.0	5.4
municipal area	61	88,111	31	69.7	45.8	93.6	21	8.1	0.0	47.8	6	14.3	4.2	24.4	3	8.0	2.2	13.8	0	0.0	0.0	0.0
out municipal area	49	70,972	30	66.6	0.0	100.0	9	5.0	0.0	32.4	5	17.1	0.0	100.0	4	7.9	0.0	22.2	1	3.4	0.0	18.6
male	39	69,783	21	70.3	29.6	100.0	9	1.7	0.0	32.3	6	16.3	0.0	47.0	3	11.7	0.0	32.4	0	0.0	0.0	0.0
female	71	89,300	40	66.8	0.0	100.0	21	10.6	0.0	37.8	5	14.9	0.0	75.2	4	5.0	2.0	8.0	1	2.7	0.0	11.2
15-24 years																						
25-34 years	5	6,873	3	93.1	0.0	100.0	2	6.9	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	6	11,634	2	11.4	0.0	100.0	1	2.2	0.0	24.6	2	65.6	2.2	100.0	1	20.8	0.0	100.0	0	0.0	0.0	0.0
45-54 years	16	32,704	8	56.2	0.0	100.0	4	18.9	17.8	20.0	3	22.6	0.0	58.9	1	2.3	0.0	38.8	0	0.0	0.0	0.0
55-64 years	40	59,304	22	70.5	50.8	90.2	11	1.8	0.0	34.5	4	13.8	9.6	18.0	2	9.8	0.0	21.1	1	4.1	0.0	10.0
65-74 years	31	26,577	16	71.5	71.1	72.0	10	9.1	0.0	40.2	2	5.7	1.0	10.5	3	13.6	0.0	39.5	0	0.0	0.0	0.0
75-79 years	12	21,990	10	98.8	76.4	100.0	2	1.2	0.0	23.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
never attended school	14	15,203	10	89.4	76.1	100.0	3	2.8	0.0	47.4	0	0.0	0.0	0.0	1	7.7	0.0	39.0	0	0.0	0.0	0.0
pratoon 1-6	64	85,868	33	53.1	0.0	100.0	17	10.0	0.0	28.1	8	27.4	0.0	92.0	5	6.6	3.8	9.5	1	2.8	0.0	9.8
matayoom 1-6	20	32,292	12	75.6	17.6	100.0	5	3.2	0.0	57.4	2	3.4	0.0	60.4	1	17.8	0.0	71.0	0	0.0	0.0	0.0
college/certificate	7	9,721	3	96.8	41.3	100.0	4	3.2	0.0	58.7	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
university or upper	5	15,998	3	97.9	56.7	100.0	1	1.6	0.0	32.8	1	0.5	0.0	10.6	0	0.0	0.0	0.0	0	0.0	0.0	0.0
no income	6	9,486	4	79.7	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	20.3	0.0	100.0	0	0.0	0.0	0.0
1-4,999 baht	38	20,963	21	72.3	30.0	100.0	12	6.6	0.0	97.7	2	3.4	0.0	51.1	3	17.6	0.0	100.0	0	0.0	0.0	0.0
5,000-9,999 baht	32	61,902	19	74.7	51.4	97.9	10	12.9	0.0	44.5	2	10.4	3.4	17.4	1	2.0	0.7	3.4	0	0.0	0.0	0.0
10,000 baht upper	31	61,637	14	56.2	0.0	100.0	8	2.0	0.0	35.7	7	28.5	0.0	100.0	1	9.3	0.0	40.5	1	3.9	0.0	17.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	108	160,275	56	61.3	39.5	83.2	13	8.3	0.0	27.5	4	0.6	0.0	10.3	14	9.5	4.3	14.7	21	20.3	8.1	32.6
municipal area	61	89,598	33	60.4	48.2	72.7	6	9.3	7.6	10.9	3	0.5	0.0	9.6	8	6.9	0.0	19.4	11	22.9	11.9	33.9
out municipal area	47	70,677	23	62.4	24.6	100.0	7	6.9	0.0	52.9	1	0.7	0.0	10.8	6	12.9	0.0	28.5	10	17.1	14.5	19.7
male	39	71,270	26	74.6	57.7	91.5	5	12.7	1.2	24.2	0	0.0	0.0	0.0	6	10.6	8.8	12.4	2	2.1	0.0	5.6
female	69	89,005	30	50.7	39.1	62.3	8	4.7	0.0	34.8	4	1.0	0.0	17.9	8	8.6	0.0	17.7	19	35.0	0.0	79.4
15-24 years																						
25-34 years	5	6,873	3	92.1	0.0	100.0	1	2.6	0.0	48.4	1	5.3	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
35-44 years	6	11,634	4	91.4	4.6	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	6.4	0.0	70.8	1	2.2	0.0	24.6
45-54 years	16	32,704	10	76.4	19.2	100.0	2	19.6	12.6	26.7	0	0.0	0.0	0.0	3	3.7	0.0	62.6	1	0.3	0.0	5.6
55-64 years	39	60,546	19	60.3	7.4	100.0	3	1.4	0.0	27.5	1	0.1	0.0	1.0	6	19.6	0.0	41.7	10	18.7	0.0	66.5
65-74 years	30	26,528	15	54.2	16.4	91.9	5	11.8	0.0	33.6	2	1.9	0.0	35.6	3	4.8	2.2	7.4	5	27.4	12.2	42.5
75-79 years	12	21,990	5	25.0	21.2	28.7	2	12.0	0.0	45.4	0	0.0	0.0	0.0	1	0.8	0.0	15.6	4	62.2	17.8	100.0
never attended school	14	15,203	5	18.0	0.0	61.4	3	16.8	0.0	35.2	0	0.0	0.0	0.0	1	1.1	0.0	18.9	5	64.0	20.0	100.0
pratoon 1-6	64	87,207	37	67.8	52.9	82.7	6	1.8	0.0	32.3	1	0.0	0.0	0.7	8	9.6	3.8	15.5	12	20.8	0.0	61.0
matayoom 1-6	19	32,243	9	64.8	0.0	100.0	3	11.9	0.0	55.8	3	2.7	0.0	47.8	3	20.4	2.2	38.6	1	0.2	0.0	4.2
college/certificate	6	9,623	3	43.8	0.0	100.0	1	55.1	0.0	100.0	0	0.0	0.0	0.0	2	1.1	0.0	20.8	0	0.0	0.0	0.0
university or upper	5	15,998	2	70.6	51.2	90.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	3	29.4	9.9	48.8
no income	6	9,486	5	92.2	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	7.8	0.0	100.0	0	0.0	0.0	0.0
1-4,999 baht	38	22,302	16	41.8	0.0	100.0	11	24.1	0.0	100.0	0	0.0	0.0	0.0	5	6.6	0.0	16.7	6	27.4	0.0	72.7
5,000-9,999 baht	30	61,755	17	64.6	33.0	96.1	0	0.0	0.0	0.0	3	1.4	0.0	28.3	3	11.4	0.0	23.0	7	22.6	15.7	29.5
10,000 baht upper	31	61,637	16	59.2	0.4	100.0	2	12.7	0.0	55.2	1	0.1	0.0	0.9	5	9.7	0.0	19.7	7	18.3	11.1	25.5

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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.) (EYEXAM)

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	102	154,047	65	71.1	56.9	85.2	17	9.5	6.2	12.7	1	3.2	0.0	10.7	19	16.3	0.0	34.7
municipal area	58	87,987	37	80.5	41.9	100.0	14	8.3	0.0	34.7	0	0.0	0.0	0.0	7	11.2	0.0	23.4
out municipal area	44	66,060	28	58.5	0.0	100.0	3	11.1	0.0	44.0	1	7.4	0.0	38.7	12	23.0	18.3	27.6
male	37	69,684	23	71.7	18.9	100.0	5	8.8	3.5	14.0	0	0.0	0.0	0.0	9	19.5	0.0	67.1
female	65	84,363	42	70.6	52.2	88.9	12	10.1	9.2	11.0	1	5.8	0.0	22.4	10	13.5	10.8	16.2
15-24 years																		
25-34 years	4	3,822	2	85.8	0.0	100.0	1	9.6	0.0	100.0	0	0.0	0.0	0.0	1	4.6	0.0	80.1
35-44 years	6	11,634	3	86.4	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	3	13.6	0.0	100.0
45-54 years	15	32,558	9	67.3	30.8	100.0	3	18.6	0.0	47.5	0	0.0	0.0	0.0	3	14.1	0.0	79.6
55-64 years	38	58,068	24	67.7	50.9	84.4	6	0.6	0.0	11.7	1	8.4	0.0	17.3	7	23.3	4.3	42.2
65-74 years	28	26,147	19	82.3	58.3	100.0	5	6.2	4.9	7.6	0	0.0	0.0	0.0	4	11.4	0.0	34.1
75-79 years	11	21,818	8	61.4	40.9	81.9	2	28.6	2.4	54.7	0	0.0	0.0	0.0	1	10.0	4.4	15.6
never attended school	11	13,402	8	37.3	0.0	90.9	1	43.0	0.0	100.0	0	0.0	0.0	0.0	2	19.6	0.0	48.6
pratoon 1-6	63	85,881	41	72.0	66.2	77.8	12	9.7	0.0	19.9	1	5.7	0.0	19.8	9	12.6	2.7	22.4
matayoom 1-6	17	29,142	10	67.9	58.3	77.6	2	1.4	0.0	24.0	0	0.0	0.0	0.0	5	30.7	0.0	63.0
college/certificate	6	9,623	3	89.2	0.0	100.0	2	1.1	0.0	20.8	0	0.0	0.0	0.0	1	9.7	0.0	100.0
university or upper	5	15,998	3	89.1	61.9	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	10.9	0.0	38.1
no income	5	6,434	3	65.5	0.0	100.0	1	23.0	0.0	100.0	0	0.0	0.0	0.0	1	11.5	0.0	100.0
1-4,999 baht	34	20,265	25	82.4	43.7	100.0	4	2.9	0.0	44.2	0	0.0	0.0	0.0	5	14.7	12.1	17.3
5,000-9,999 baht	30	62,036	17	64.2	53.5	74.8	6	11.0	0.0	36.6	1	7.9	2.3	13.6	6	16.9	7.6	26.2
10,000 baht upper	30	60,217	18	74.6	46.4	100.0	6	9.5	0.0	26.0	0	0.0	0.0	0.0	6	15.9	0.0	60.5

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,446	3,426,186	170	15.1	0.0	49.2	134	5.2	0.0	26.9	439	25.7	0.0	62.0	173	9.9	0.0	30.7	530	44.1	0.0	88.9
municipal area	704	1,756,263	66	12.0	5.2	18.9	65	2.3	0.0	16.7	196	23.7	4.8	42.5	89	10.9	2.8	19.0	288	51.2	16.6	85.7
out municipal area	742	1,669,923	104	18.4	0.0	93.1	69	8.3	0.0	26.2	243	27.8	0.0	74.6	84	8.8	0.0	47.0	242	36.6	8.4	64.9
male	800	1,806,719	103	16.7	0.0	51.2	82	6.1	0.0	29.2	255	28.6	0.0	72.4	79	7.4	0.0	29.9	281	41.3	0.0	96.1
female	646	1,619,467	67	13.4	0.0	47.1	52	4.3	0.0	24.2	184	22.4	0.0	49.9	94	12.7	0.0	32.1	249	47.2	14.2	80.3
15-24 years	252	793,558	36	18.4	0.0	65.0	24	5.3	0.0	35.9	88	26.8	0.0	75.1	35	11.1	0.0	31.2	69	38.4	0.0	90.8
25-34 years	230	705,156	20	16.5	0.0	69.9	25	7.1	0.0	22.9	71	32.3	24.5	40.1	27	10.6	0.0	43.9	87	33.4	21.3	45.6
35-44 years	276	780,786	18	9.4	0.0	28.0	20	3.6	0.0	19.9	84	20.4	0.0	73.9	39	9.2	0.0	27.0	115	57.4	0.0	100.0
45-54 years	285	550,240	15	8.3	0.0	28.5	24	6.8	0.0	21.5	105	30.2	0.0	73.2	31	9.3	0.0	33.0	110	45.3	0.0	100.0
55-64 years	253	439,292	45	19.0	8.5	29.6	21	2.3	0.0	17.4	62	20.1	0.0	47.5	19	7.8	0.0	16.0	106	50.7	10.7	90.7
65-74 years	124	129,466	27	31.4	0.0	98.9	17	7.1	0.0	61.0	23	14.6	0.0	76.9	17	11.1	6.6	15.6	40	35.8	0.0	80.0
75-79 years	26	27,687	9	49.0	11.1	86.9	3	4.1	0.0	74.6	6	24.1	1.5	46.7	5	10.6	0.0	32.3	3	12.2	0.0	43.8
never attended school	56	75,673	13	27.1	0.0	69.1	6	2.4	0.0	40.7	10	15.8	0.0	53.2	5	9.3	0.0	37.2	22	45.4	39.6	51.2
pratoon 1-6	554	1,165,097	77	15.5	0.0	39.6	54	5.9	0.0	26.3	144	24.3	4.6	44.0	62	8.5	0.6	16.5	217	45.7	21.7	69.8
matayoom 1-6	540	1,541,625	64	17.6	0.0	59.2	53	5.2	0.0	34.0	183	28.9	5.4	52.4	48	8.0	0.0	20.3	192	40.3	17.3	63.3
college/certificate	108	276,520	10	8.5	4.9	12.1	10	8.0	3.3	12.7	36	18.7	0.0	100.0	13	10.4	4.6	16.3	39	54.4	0.0	100.0
university or upper	186	364,000	6	6.2	0.0	39.0	9	1.0	0.0	15.4	66	23.9	0.0	100.0	45	21.7	0.0	100.0	60	47.2	0.0	100.0
no income	91	287,311	18	21.7	0.0	57.1	3	1.4	0.0	3.9	13	10.8	0.0	53.7	12	11.1	9.6	12.6	45	55.0	46.5	63.5
1-4,999 baht	310	551,428	48	21.1	0.0	94.4	27	4.1	0.0	36.7	110	32.7	0.0	82.0	41	10.4	0.0	53.5	84	31.7	0.0	83.3
5,000-9,999 baht	470	1,198,822	49	13.6	0.0	42.4	57	6.9	0.0	33.5	148	31.4	17.8	45.0	44	8.9	7.1	10.7	172	39.2	26.0	52.3
10,000 baht upper	505	1,129,609	41	11.7	0.0	41.2	43	5.4	0.0	26.2	150	20.1	0.0	78.8	71	10.7	0.0	49.2	200	52.1	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,691	3,699,698	789	60.6	0.0	100.0	212	6.5	0.0	47.4	339	14.3	0.0	63.5	95	5.4	4.4	6.3	256	13.2	12.4	14.1
municipal area	847	1,944,783	348	61.3	24.7	98.0	108	4.3	0.0	20.3	172	13.8	0.0	33.0	62	6.7	6.0	7.5	157	13.9	13.3	14.5
out municipal area	844	1,754,915	441	59.7	0.0	100.0	104	9.0	0.0	68.1	167	14.9	0.0	95.0	33	3.9	1.1	6.7	99	12.5	8.6	16.4
male	808	1,779,584	397	63.2	0.0	100.0	109	6.4	0.0	50.8	151	13.4	0.0	57.0	40	4.0	2.1	6.0	111	13.0	8.4	17.6
female	883	1,920,113	392	58.1	0.0	100.0	103	6.6	0.0	44.4	188	15.2	0.0	69.8	55	6.6	3.2	10.0	145	13.5	7.5	19.5
15-24 years	252	787,180	142	66.1	0.0	100.0	33	6.0	0.0	82.8	49	15.6	0.0	53.3	11	3.5	0.0	9.6	17	8.7	7.1	10.3
25-34 years	230	691,653	96	61.8	0.0	100.0	30	7.7	0.0	50.0	55	16.8	0.0	81.9	9	5.3	0.0	17.4	40	8.3	0.0	45.1
35-44 years	270	752,947	117	58.2	0.0	100.0	28	4.8	0.0	20.3	63	14.9	0.0	71.9	23	5.8	0.0	19.5	39	16.3	12.6	20.1
45-54 years	305	594,328	121	54.0	0.0	100.0	39	8.1	0.0	43.5	73	14.4	0.0	72.0	18	7.0	6.7	7.4	54	16.5	2.1	30.8
55-64 years	354	586,686	172	59.3	12.3	100.0	35	5.3	0.0	27.4	59	10.7	0.0	37.2	19	6.3	6.0	6.6	69	18.4	16.4	20.3
65-74 years	209	212,125	103	61.8	0.0	100.0	32	8.5	0.0	45.1	34	12.8	0.0	63.3	9	2.5	0.0	5.3	31	14.4	0.0	34.7
75-79 years	71	74,778	38	72.3	0.0	100.0	15	9.9	0.0	100.0	6	3.4	0.0	9.7	6	8.7	2.0	15.3	6	5.8	0.0	15.6
never attended school	127	138,229	69	75.6	0.0	100.0	20	4.4	0.0	53.7	15	6.8	0.0	33.1	6	1.2	0.0	19.3	17	12.1	0.0	64.1
pratoon 1-6	713	1,401,309	321	59.4	0.0	100.0	92	6.9	0.0	41.5	136	12.5	0.0	50.0	41	5.6	0.0	13.1	123	15.6	13.3	17.8
matayoom 1-6	557	1,531,069	267	63.6	0.0	100.0	66	6.4	0.0	56.0	112	14.0	0.0	57.0	32	5.0	1.2	8.7	80	11.1	0.0	27.3
college/certificate	106	271,424	57	67.0	0.0	100.0	11	6.1	0.0	27.9	23	11.9	0.0	100.0	3	7.0	0.0	23.7	12	8.0	2.6	13.5
university or upper	184	352,867	73	41.3	27.7	54.9	22	6.3	0.0	51.4	52	27.6	0.0	89.5	13	6.6	0.0	25.0	24	18.1	0.0	93.0
no income	104	312,126	59	66.6	0.0	100.0	10	6.3	0.0	96.6	16	10.2	0.0	36.3	7	9.5	0.0	30.2	12	7.3	0.0	39.7
1-4,999 baht	451	672,033	202	66.7	0.0	100.0	69	7.5	0.0	86.4	99	14.6	0.0	100.0	23	2.8	0.0	6.8	58	8.4	8.0	8.7
5,000-9,999 baht	547	1,337,059	267	65.5	0.0	100.0	67	6.2	0.0	36.0	96	12.1	0.0	52.5	30	3.8	0.0	11.0	87	12.4	0.0	28.1
10,000 baht upper	504	1,089,917	214	50.5	0.0	100.0	57	5.8	0.0	34.3	114	16.8	0.0	71.6	29	6.2	3.7	8.7	90	20.7	0.0	50.8

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	712	1,545,327	74	14.4	0.0	49.3	33	3.0	0.0	11.6	183	14.3	0.0	73.6	103	10.5	0.0	57.9	319	57.7	0.0	100.0
municipal area	346	762,173	33	15.9	1.1	30.7	13	3.5	2.5	4.4	88	11.6	0.0	60.3	48	11.1	3.1	19.1	164	57.9	15.0	100.0
out municipal area	366	783,153	41	13.0	0.0	61.2	20	2.5	0.0	20.6	95	16.9	0.0	75.4	55	10.0	0.0	97.9	155	57.5	0.0	100.0
male	480	1,056,418	36	9.8	0.0	27.9	23	2.9	0.0	13.4	128	15.0	0.0	80.8	52	8.6	0.0	39.3	241	63.8	0.0	100.0
female	232	488,909	38	24.5	0.0	100.0	10	3.2	0.0	7.5	55	12.8	0.0	59.5	51	14.8	0.0	94.4	78	44.6	0.0	95.2
15-24 years	76	241,612	12	27.4	0.0	96.5	2	1.2	0.0	21.7	27	19.0	0.0	61.7	9	6.5	0.0	69.2	26	45.9	0.0	100.0
25-34 years	130	352,786	9	11.2	0.0	54.2	3	0.9	0.0	14.0	35	18.9	0.0	48.8	17	12.5	0.0	81.1	66	56.6	0.0	100.0
35-44 years	148	380,312	12	11.2	0.0	39.4	7	4.1	3.6	4.5	37	13.8	0.0	83.7	22	4.7	0.0	53.8	70	66.2	0.0	100.0
45-54 years	168	325,657	8	6.4	0.0	14.4	10	5.5	0.0	13.3	36	9.1	0.0	100.0	29	18.4	3.2	33.5	85	60.6	0.0	100.0
55-64 years	119	185,348	16	17.6	3.3	31.9	4	0.3	0.0	5.3	31	9.5	0.0	63.1	13	8.7	0.0	53.1	55	63.8	0.0	100.0
65-74 years	60	53,003	13	30.9	0.0	65.4	7	11.5	1.3	21.8	13	15.3	0.0	38.2	11	17.9	9.2	26.6	16	24.3	17.0	31.7
75-79 years	11	6,610	4	72.7	0.0	100.0	0				4	9.1	0.0	100.0	2	2.2	0.0	37.3	1	16.1	0.0	74.8
never attended school	22	29,789	6	17.8	0.0	91.3	4	8.3	0.0	42.8	3	1.3	0.0	23.5	3	23.2	0.0	93.7	6	49.3	0.0	100.0
pratoon 1-6	212	422,067	35	19.8	0.0	55.3	10	1.8	0.0	17.5	39	9.8	0.0	37.2	23	10.2	0.0	22.2	105	58.4	38.9	77.9
matayoom 1-6	264	708,517	25	15.2	0.0	38.9	9	2.7	0.0	5.9	75	16.7	0.0	54.2	26	9.1	0.0	31.9	129	56.3	16.4	96.1
college/certificate	66	123,126	5	17.4	0.0	100.0	4	8.6	2.6	14.6	29	24.2	0.0	100.0	10	4.9	0.0	75.8	18	45.0	0.0	100.0
university or upper	147	259,176	3	2.0	0.0	13.8	5	1.3	0.0	19.0	37	12.0	0.0	100.0	41	16.4	0.0	100.0	61	68.2	0.0	100.0
no income	21	68,908	5	21.9	0.0	54.7	3	8.3	0.0	49.9	5	8.6	0.0	36.0	5	46.2	32.7	59.7	3	15.1	0.0	64.8
1-4,999 baht	100	147,963	15	26.9	0.0	100.0	7	2.5	0.0	36.9	33	23.4	0.0	57.4	18	10.7	0.0	100.0	27	36.5	0.0	100.0
5,000-9,999 baht	223	542,427	26	15.3	0.0	31.7	14	3.6	0.0	10.2	54	12.6	0.0	51.5	21	8.5	5.9	11.1	108	59.9	33.4	86.5
10,000 baht upper	336	653,125	17	8.1	0.0	39.8	8	2.2	0.0	5.8	87	13.6	0.0	100.0	58	9.3	0.0	92.5	166	66.8	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,575	3,523,128	333	29.6	0.0	76.7	207	8.3	0.0	44.0	396	18.1	0.0	62.3	165	9.9	6.4	13.3	474	34.2	0.0	70.4
municipal area	761	1,805,448	141	29.4	10.1	48.7	88	6.1	0.0	13.2	194	18.1	0.0	42.8	94	12.2	11.3	13.2	244	34.2	20.7	47.8
out municipal area	814	1,717,680	192	29.7	0.0	100.0	119	10.7	0.0	68.1	202	18.1	0.0	82.7	71	7.4	0.0	22.2	230	34.1	0.0	93.9
male	775	1,733,034	147	29.4	0.0	86.5	104	8.1	0.0	53.0	199	19.9	0.0	58.1	70	8.9	6.0	11.7	255	33.7	4.7	62.7
female	800	1,790,094	186	29.7	0.0	67.2	103	8.5	0.0	35.3	197	16.4	0.0	66.1	95	10.8	6.7	14.9	219	34.6	0.0	77.7
15-24 years	217	675,030	65	41.4	0.0	100.0	30	10.9	0.0	62.3	70	18.4	0.0	92.7	9	4.1	0.0	13.6	43	25.2	0.0	62.1
25-34 years	217	675,608	49	35.5	0.0	100.0	22	7.4	0.0	37.1	51	18.7	0.0	51.5	22	8.4	0.0	34.2	73	30.0	29.5	30.6
35-44 years	263	755,480	52	26.1	0.0	68.9	35	7.5	0.0	48.3	62	17.7	0.0	45.9	33	9.4	1.7	17.2	81	39.2	5.3	73.2
45-54 years	288	582,072	38	17.3	0.0	49.1	30	8.2	0.0	25.3	76	18.0	0.0	87.1	46	17.5	17.3	17.6	98	39.1	0.0	93.3
55-64 years	322	552,960	58	24.2	7.1	41.3	49	7.3	0.0	33.6	78	18.6	0.0	51.9	31	10.5	8.5	12.6	106	39.4	0.0	83.9
65-74 years	199	205,637	54	33.6	29.2	38.0	26	8.4	0.0	49.1	41	14.0	0.0	28.6	20	12.1	2.3	22.0	58	31.9	0.0	73.0
75-79 years	69	76,341	17	28.4	21.6	35.2	15	10.5	0.0	93.7	18	22.9	17.1	28.7	4	8.2	0.0	26.5	15	30.0	0.0	93.9
never attended school	111	131,197	31	35.0	23.8	46.1	21	9.2	0.0	100.0	29	15.4	0.0	36.7	8	7.8	0.0	25.9	22	32.7	0.0	100.0
pratoon 1-6	652	1,323,018	147	24.4	7.2	41.5	95	8.3	0.0	40.2	117	15.7	0.0	33.4	64	12.0	7.8	16.1	229	39.6	11.3	67.9
matayoom 1-6	524	1,474,229	118	37.4	0.0	100.0	57	6.1	0.0	43.2	151	19.6	0.0	52.8	43	6.4	0.0	13.7	155	30.4	19.0	41.7
college/certificate	96	225,884	19	31.7	0.0	100.0	12	13.8	0.0	30.4	39	20.7	0.0	100.0	11	7.6	1.7	13.5	15	26.1	0.0	79.3
university or upper	187	364,670	15	13.3	0.0	58.7	21	12.7	0.0	30.3	59	19.9	0.0	100.0	39	18.4	4.8	32.0	53	35.6	0.0	100.0
no income	81	232,020	28	36.6	31.4	41.7	11	15.2	4.4	25.9	15	12.5	10.8	14.2	10	18.4	10.6	26.1	17	17.4	5.7	29.1
1-4,999 baht	414	642,413	96	39.7	0.0	100.0	82	10.3	0.0	91.6	113	21.5	0.0	87.0	33	6.2	4.2	8.2	90	22.3	0.0	62.7
5,000-9,999 baht	503	1,275,170	111	31.0	0.0	69.5	61	6.8	0.0	34.7	131	19.4	0.0	51.5	44	7.9	6.0	9.8	156	34.9	11.6	58.2
10,000 baht upper	495	1,094,893	66	17.9	0.0	57.7	44	7.3	0.0	37.0	122	15.5	0.0	83.1	70	11.2	0.0	23.7	193	48.2	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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? (MUSSKELE)

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,241	2,775,059	763	58.5	49.3	67.8	478	41.5	32.2	50.7
municipal area	596	1,336,089	369	55.3	55.0	55.6	227	44.7	44.4	45.0
out municipal area	645	1,438,970	394	61.5	34.3	88.7	251	38.5	11.3	65.7
male	641	1,426,631	373	55.4	48.8	61.9	268	44.6	38.1	51.2
female	600	1,348,428	390	61.8	50.8	72.8	210	38.2	27.2	49.2
15-24 years	68	218,278	27	44.8	40.4	49.2	41	55.2	50.8	59.6
25-34 years	191	576,832	96	52.2	26.3	78.1	95	47.8	21.9	73.7
35-44 years	268	769,337	161	56.4	38.4	74.5	107	43.6	25.5	61.6
45-54 years	302	586,981	202	69.2	25.6	100.0	100	30.8	0.0	74.4
55-64 years	275	473,826	188	59.3	43.0	75.5	87	40.7	24.5	57.0
65-74 years	120	135,372	80	69.5	28.2	100.0	40	30.5	0.0	71.8
75-79 years	17	14,434	9	66.3	45.6	87.1	8	33.7	12.9	54.4
never attended school	68	104,662	42	61.1	20.2	100.0	26	38.9	0.0	79.8
pratoon 1-6	578	1,136,599	398	63.3	48.3	78.2	180	36.7	21.8	51.7
matayoom 1-6	365	1,056,564	232	61.7	52.4	71.0	133	38.3	29.0	47.6
college/certificate	83	195,646	39	43.6	11.5	75.7	44	56.4	24.3	88.5
university or upper	144	277,117	50	36.4	0.0	100.0	94	63.6	0.0	100.0
no income	7	6,411	3	48.3	42.3	54.2	4	51.7	45.8	57.7
1-4,999 baht	192	264,355	137	68.1	42.7	93.6	55	31.9	6.4	57.3
5,000-9,999 baht	490	1,246,429	331	63.0	58.5	67.5	159	37.0	32.5	41.5
10,000 baht upper	495	1,091,637	259	52.3	15.9	88.7	236	47.7	11.3	84.1

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	681	1,249,615	207	30.8	20.3	41.4	66	13.1	7.2	18.9	107	26.0	0.0	57.9	301	30.0	0.0	78.3
municipal area	332	654,427	99	20.4	9.1	31.6	40	18.0	10.6	25.4	62	34.4	9.0	59.8	131	27.2	5.6	48.9
out municipal area	349	595,189	108	42.3	0.0	100.0	26	7.7	0.0	21.0	45	16.9	7.4	26.3	170	33.1	0.0	100.0
female	681	1,249,615	207	30.8	20.3	41.4	66	13.1	7.2	18.9	107	26.0	0.0	57.9	301	30.0	0.0	78.3
35-44 years	162	449,058	69	38.9	14.9	63.0	23	14.1	9.1	19.1	32	31.5	8.7	54.2	38	15.5	0.0	57.3
45-54 years	149	303,705	59	37.7	17.9	57.5	16	14.9	0.8	29.1	21	20.2	0.0	50.8	53	27.1	0.0	91.6
55-64 years	190	303,580	54	22.3	9.6	35.0	19	15.4	1.9	28.9	36	27.3	0.0	63.4	81	35.0	0.0	71.8
65-74 years	124	138,744	22	19.1	5.3	32.9	7	4.4	3.5	5.3	14	21.6	0.0	67.5	81	54.9	0.0	100.0
75-79 years	56	54,527	3	3.5	0.0	8.0	1	3.2	0.0	12.5	4	17.8	0.0	68.9	48	75.4	10.7	100.0
never attended school	93	74,110	8	14.3	0.0	39.1	5	3.5	0.0	27.5	8	11.2	0.0	68.8	72	71.0	12.7	100.0
pratoon 1-6	386	747,429	128	28.5	21.5	35.6	36	12.8	2.0	23.6	75	27.8	20.2	35.4	147	30.9	19.5	42.3
matayoom 1-6	118	252,374	52	44.8	22.7	66.8	14	7.7	0.0	49.1	13	26.5	0.0	83.7	39	21.0	0.0	58.8
college/certificate	36	80,484	7	26.3	0.0	81.7	8	54.0	0.0	100.0	5	7.3	0.0	22.9	16	12.4	0.0	100.0
university or upper	44	93,160	12	29.6	12.7	46.5	3	2.3	0.0	36.7	6	39.2	0.0	100.0	23	28.9	0.0	100.0
no income	32	80,304	12	17.7	0.0	63.7	2	34.5	0.0	84.9	9	29.3	0.0	72.1	9	18.5	0.0	65.8
1-4,999 baht	230	239,422	54	24.1	17.4	30.9	15	2.5	0.0	16.8	29	25.9	0.0	81.0	132	47.5	0.0	95.0
5,000-9,999 baht	213	438,993	76	38.9	22.7	55.1	26	10.1	0.4	19.7	33	24.3	7.6	41.0	78	26.7	3.5	50.0
10,000 baht upper	167	386,269	54	31.6	14.7	48.4	22	21.7	0.0	50.2	31	29.1	0.0	77.8	60	17.7	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	681	1,249,615	309	52.4	18.3	86.4	71	17.6	3.4	31.8	301	30.0	0.0	78.3
municipal area	332	654,427	160	47.5	46.1	48.9	41	25.3	5.1	45.5	131	27.2	5.6	48.9
out municipal area	349	595,189	149	57.8	0.0	100.0	30	9.1	0.0	28.8	170	33.1	0.0	100.0
female	681	1,249,615	309	52.4	18.3	86.4	71	17.6	3.4	31.8	301	30.0	0.0	78.3
35-44 years	162	449,058	100	61.9	23.1	100.0	24	22.6	19.6	25.7	38	15.5	0.0	57.3
45-54 years	149	303,705	86	64.5	1.9	100.0	10	8.4	6.5	10.3	53	27.1	0.0	91.6
55-64 years	190	303,580	86	45.8	31.7	59.9	23	19.2	0.0	42.0	81	35.0	0.0	71.8
65-74 years	124	138,744	33	27.5	8.5	46.6	10	17.6	0.0	59.1	81	54.9	0.0	100.0
75-79 years	56	54,527	4	6.8	0.0	20.5	4	17.8	0.0	68.9	48	75.4	10.7	100.0
never attended school	93	74,110	17	23.0	0.0	47.5	4	6.0	0.0	39.8	72	71.0	12.7	100.0
pratoon 1-6	386	747,429	188	50.5	35.1	65.8	51	18.7	14.7	22.6	147	30.9	19.5	42.3
matayoom 1-6	118	252,374	73	65.8	52.8	78.7	6	13.2	0.0	38.1	39	21.0	0.0	58.8
college/certificate	36	80,484	16	80.4	0.0	100.0	4	7.2	0.0	20.7	16	12.4	0.0	100.0
university or upper	44	93,160	15	31.9	14.4	49.4	6	39.2	0.0	100.0	23	28.9	0.0	100.0
no income	32	80,304	17	59.3	44.5	74.1	6	22.2	0.0	54.7	9	18.5	0.0	65.8
1-4,999 baht	230	239,422	80	39.6	0.0	81.9	18	12.9	7.6	18.1	132	47.5	0.0	95.0
5,000-9,999 baht	213	438,993	113	55.2	45.1	65.3	22	18.1	5.0	31.2	78	26.7	3.5	50.0
10,000 baht upper	167	386,269	85	61.7	0.0	100.0	22	20.6	0.0	41.4	60	17.7	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	720	1,340,033	141	18.5	15.2	21.9	34	2.7	0.0	9.7	53	14.2	0.0	37.0	492	64.6	45.5	83.6
municipal area	354	707,600	82	16.0	11.9	20.1	18	2.4	2.1	2.7	31	18.9	3.8	34.1	223	62.6	51.8	73.3
out municipal area	366	632,434	59	21.4	0.9	41.8	16	2.9	0.0	16.8	22	9.0	0.0	23.8	269	66.8	45.4	88.2
female	720	1,340,033	141	18.5	15.2	21.9	34	2.7	0.0	9.7	53	14.2	0.0	37.0	492	64.6	45.5	83.6
35-44 years	170	486,127	37	19.0	13.5	24.6	10	2.5	0.0	12.9	14	16.7	0.0	38.2	109	61.7	56.2	67.2
45-54 years	161	323,902	33	20.6	7.9	33.3	11	2.9	0.0	20.5	12	8.7	0.0	17.7	105	67.8	63.7	71.9
55-64 years	198	324,470	35	13.1	11.6	14.6	8	3.3	0.0	7.5	17	19.8	0.0	54.1	138	63.9	23.8	100.0
65-74 years	132	143,325	30	26.5	1.3	51.8	4	1.3	0.0	5.6	6	5.2	0.0	18.8	92	67.0	32.5	100.0
75-79 years	59	62,209	6	14.4	4.1	24.7	1	2.1	0.0	7.3	4	15.6	0.0	55.1	48	67.9	12.9	100.0
never attended school	96	79,353	13	6.7	0.0	37.1	2	2.7	0.0	17.9	3	5.6	0.0	37.7	78	85.0	68.1	100.0
pratoon 1-6	409	793,720	81	17.8	15.2	20.4	23	3.1	0.0	7.9	38	16.3	1.9	30.6	267	62.8	50.7	75.0
matayoom 1-6	124	276,130	36	31.5	23.7	39.3	5	2.2	0.0	12.0	6	7.0	0.0	15.4	77	59.4	50.1	68.6
college/certificate	38	90,299	5	9.4	7.8	11.1	0	0.0	0.0	0.0	3	29.0	0.0	100.0	30	61.5	0.0	100.0
university or upper	49	98,472	6	6.5	0.0	17.0	4	2.9	0.0	48.2	3	12.1	0.0	49.2	36	78.5	76.1	80.9
no income	33	85,415	8	7.1	0.0	63.4	1	2.7	0.0	6.4	6	21.7	0.0	51.7	18	68.5	45.8	91.2
1-4,999 baht	243	264,577	50	25.1	0.0	67.4	8	2.2	0.0	6.6	14	9.6	0.0	34.6	171	63.0	0.2	100.0
5,000-9,999 baht	225	465,082	51	23.1	21.3	24.9	15	2.9	0.0	17.1	16	11.1	0.0	26.3	143	62.9	62.1	63.7
10,000 baht upper	180	420,331	26	13.1	9.2	17.0	9	3.0	0.0	7.4	15	20.5	0.0	57.3	130	63.4	27.0	99.8

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	473	1,292,421	113	25.7	20.2	31.2	14	2.1	0.0	8.3	108	16.3	0.0	43.0	238	55.9	17.6	94.2
municipal area	251	672,626	58	20.1	20.1	20.1	8	2.4	0.0	5.2	56	15.0	3.9	26.1	129	62.6	48.7	76.5
out municipal area	222	619,796	55	31.8	18.4	45.1	6	1.8	0.0	12.8	52	17.8	0.0	55.3	109	48.6	13.5	83.7
female	473	1,292,421	113	25.7	20.2	31.2	14	2.1	0.0	8.3	108	16.3	0.0	43.0	238	55.9	17.6	94.2
15-24 years	106	305,748	17	13.4	0.0	64.6	2	0.2	0.0	3.3	2	0.2	0.0	3.1	85	86.2	29.0	100.0
25-34 years	120	352,603	44	44.1	20.5	67.7	6	3.1	0.0	18.8	17	15.8	6.1	25.4	53	37.0	19.5	54.5
35-44 years	170	486,127	45	25.7	18.4	33.1	2	0.3	0.0	5.8	59	24.2	0.0	90.5	64	49.8	0.0	100.0
45-49 years	77	147,943	7	7.0	2.3	11.6	4	9.8	0.6	19.0	30	25.3	0.0	82.8	36	58.0	14.3	100.0
never attended school	5	7,470	4	97.8	63.9	100.0	0	0.0	0.0	0.0	1	2.2	0.0	36.1	0	0.0	0.0	0.0
pratoon 1-6	127	344,268	26	19.0	9.7	28.2	3	5.5	0.0	19.4	48	23.5	0.0	100.0	50	52.1	0.0	100.0
matayoom 1-6	218	633,365	57	28.9	10.3	47.5	4	0.5	0.0	8.4	39	14.4	3.6	25.2	118	56.2	19.0	93.5
college/certificate	39	134,484	12	30.5	0.0	62.7	2	0.9	0.0	15.5	8	8.1	0.0	53.2	17	60.6	33.1	88.1
university or upper	84	172,833	14	20.5	6.7	34.3	5	2.5	0.0	38.1	12	16.2	0.0	49.5	53	60.8	49.2	72.4
no income	48	147,076	12	18.5	0.0	100.0	0	0.0	0.0	0.0	6	1.6	0.0	27.1	30	79.9	0.0	100.0
1-4,999 baht	97	191,713	12	16.0	0.0	46.5	1	0.2	0.0	4.0	21	14.7	5.2	24.2	63	69.0	51.8	86.2
5,000-9,999 baht	157	472,345	41	24.4	14.1	34.7	7	3.0	0.0	9.8	41	25.3	22.5	28.0	68	47.3	27.5	67.1
10,000 baht upper	154	407,099	43	32.8	20.4	45.2	6	3.1	0.0	13.5	38	12.4	0.0	91.1	67	51.7	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

Part 2 Accessibility to health services

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

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,805	3,942,428	1,469	87.6	49.4	100.0	336	12.4	0.0	50.6
municipal area	890	2,063,065	701	87.7	64.9	100.0	189	12.3	0.0	35.1
out municipal area	915	1,879,363	768	87.5	32.8	100.0	147	12.5	0.0	67.2
male	867	1,902,514	726	90.2	52.4	100.0	141	9.8	0.0	47.6
female	938	2,039,914	743	85.2	46.1	100.0	195	14.8	0.0	53.9
15-39 years	602	2,030,296	490	87.1	44.1	100.0	112	12.9	0.0	55.9
40-59 years	641	1,329,203	513	87.4	47.9	100.0	128	12.6	0.0	52.1
60-79 years	562	582,930	466	90.0	72.1	100.0	96	10.0	0.0	27.9
never attended school	149	160,101	122	92.0	54.5	100.0	27	8.0	0.0	45.5
pratoon 1-6	774	1,532,402	680	92.3	89.6	95.1	94	7.7	4.9	10.4
matayoom 1-6	576	1,595,606	490	90.4	57.1	100.0	86	9.6	0.0	42.9
college/certificate	110	279,344	71	70.6	40.3	100.0	39	29.4	0.0	59.7
university or upper	190	369,645	100	66.9	0.0	100.0	90	33.1	0.0	100.0
no income	109	321,691	95	92.7	69.3	100.0	14	7.3	0.0	30.7
1-4,999 baht	497	743,784	408	89.2	61.0	100.0	89	10.8	0.0	39.0
5,000-9,999 baht	571	1,381,405	506	92.2	85.0	99.5	65	7.8	0.5	15.0
10,000 baht upper	532	1,185,501	374	79.8	0.0	100.0	158	20.2	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,806	3,943,611	167	8.9	2.9	14.9	1,639	91.1	85.1	97.1
municipal area	890	2,063,065	105	12.1	7.6	16.7	785	87.9	83.3	92.4
out municipal area	916	1,880,546	62	5.4	0.0	26.0	854	94.6	74.0	100.0
male	868	1,903,697	74	8.2	0.0	16.6	794	91.8	83.4	100.0
female	938	2,039,914	93	9.5	5.7	13.4	845	90.5	86.6	94.3
15-39 years	603	2,031,479	71	10.0	3.6	16.5	532	90.0	83.5	96.4
40-59 years	641	1,329,203	76	9.4	0.0	19.1	565	90.6	80.9	100.0
60-79 years	562	582,930	20	3.8	0.0	10.0	542	96.2	90.0	100.0
never attended school	149	160,101	1	0.4	0.0	7.2	148	99.6	92.8	100.0
pratoon 1-6	774	1,532,402	36	4.0	3.3	4.6	738	96.0	95.4	96.7
matayoom 1-6	576	1,595,606	45	7.5	7.5	7.6	531	92.5	92.4	92.5
college/certificate	110	279,344	28	24.4	3.9	44.9	82	75.6	55.1	96.1
university or upper	191	370,828	57	27.2	20.8	33.7	134	72.8	66.3	79.2
no income	109	321,691	3	3.0	0.0	10.4	106	97.0	89.6	100.0
1-4,999 baht	498	744,968	7	2.8	0.0	11.6	491	97.2	88.4	100.0
5,000-9,999 baht	571	1,381,405	42	6.8	3.5	10.1	529	93.2	89.9	96.5
10,000 baht upper	532	1,185,501	109	17.5	0.0	39.7	423	82.5	60.3	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,806	3,943,611	85	3.9	0.3	7.5	1,721	96.1	92.5	99.7
municipal area	890	2,063,065	47	5.0	1.7	8.2	843	95.0	91.8	98.3
out municipal area	916	1,880,546	38	2.8	0.0	11.1	878	97.2	88.9	100.0
male	868	1,903,697	45	5.5	5.1	5.9	823	94.5	94.1	94.9
female	938	2,039,914	40	2.4	0.0	9.6	898	97.6	90.4	100.0
15-39 years	603	2,031,479	32	4.6	4.6	4.6	571	95.4	95.4	95.4
40-59 years	641	1,329,203	38	3.2	0.0	15.1	603	96.8	84.9	100.0
60-79 years	562	582,930	15	3.1	0.0	6.8	547	96.9	93.2	100.0
never attended school	149	160,101	0	0.0	0.0	0.0	149	100.0	100.0	100.0
pratoon 1-6	774	1,532,402	14	1.4	1.0	1.7	760	98.6	98.3	99.0
matayoom 1-6	576	1,595,606	16	2.4	0.0	5.6	560	97.6	94.4	100.0
college/certificate	110	279,344	10	10.9	9.8	12.0	100	89.1	88.0	90.2
university or upper	191	370,828	45	17.3	5.1	29.4	146	82.7	70.6	94.9
no income	109	321,691	2	4.0	0.0	15.6	107	96.0	84.4	100.0
1-4,999 baht	498	744,968	1	0.0	0.0	0.6	497	100.0	99.4	100.0
5,000-9,999 baht	571	1,381,405	12	2.4	0.2	4.7	559	97.6	95.3	99.8
10,000 baht upper	532	1,185,501	68	8.7	0.0	24.9	464	91.3	75.1	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

Part 2 Accessibility to health services

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

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,806	3,943,611	135	4.4	0.0	23.8	1,671	95.6	76.2	100.0
municipal area	890	2,063,065	69	4.7	0.0	12.6	821	95.3	87.4	100.0
out municipal area	916	1,880,546	66	4.1	0.0	37.2	850	95.9	62.8	100.0
male	868	1,903,697	61	4.3	0.0	22.7	807	95.7	77.3	100.0
female	938	2,039,914	74	4.4	0.0	24.8	864	95.6	75.2	100.0
15-39 years	603	2,031,479	35	3.0	0.0	25.1	568	97.0	74.9	100.0
40-59 years	641	1,329,203	55	5.5	0.0	29.6	586	94.5	70.4	100.0
60-79 years	562	582,930	45	6.8	5.0	8.5	517	93.2	91.5	95.0
never attended school	149	160,101	5	0.9	0.0	3.7	144	99.1	96.3	100.0
pratoon 1-6	774	1,532,402	25	2.0	1.6	2.4	749	98.0	97.6	98.4
matayoom 1-6	576	1,595,606	36	4.3	0.0	13.7	540	95.7	86.3	100.0
college/certificate	110	279,344	13	2.9	0.0	42.6	97	97.1	57.4	100.0
university or upper	191	370,828	55	17.2	0.0	100.0	136	82.8	0.0	100.0
no income	109	321,691	2	2.4	0.0	9.3	107	97.6	90.7	100.0
1-4,999 baht	498	744,968	30	3.4	0.0	30.6	468	96.6	69.4	100.0
5,000-9,999 baht	571	1,381,405	17	1.7	0.0	6.8	554	98.3	93.2	100.0
10,000 baht upper	532	1,185,501	78	7.1	0.0	52.8	454	92.9	47.2	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,833	3,954,326	128	7.2	0.0	18.7	1,705	92.8	81.3	100.0
municipal area	909	2,075,297	47	4.6	4.2	5.0	862	95.4	95.0	95.8
out municipal area	924	1,879,030	81	10.0	0.0	45.4	843	90.0	54.6	100.0
male	878	1,908,371	52	6.0	0.0	14.1	826	94.0	85.9	100.0
female	955	2,045,956	76	8.2	0.0	22.8	879	91.8	77.2	100.0
15-39 years	604	2,027,233	33	6.5	0.0	19.2	571	93.5	80.8	100.0
40-59 years	652	1,341,609	45	7.2	0.0	17.5	607	92.8	82.5	100.0
60-79 years	577	585,485	50	9.6	0.9	18.3	527	90.4	81.7	99.1
never attended school	156	163,727	15	9.4	6.1	12.8	141	90.6	87.2	93.9
pratoon 1-6	792	1,544,280	65	9.9	0.0	25.7	727	90.1	74.3	100.0
matayoom 1-6	577	1,590,773	35	5.9	0.0	13.3	542	94.1	86.7	100.0
college/certificate	109	275,493	5	2.3	0.0	11.0	104	97.7	89.0	100.0
university or upper	193	374,724	8	4.0	0.0	23.3	185	96.0	76.7	100.0
no income	112	327,720	4	3.1	0.0	7.5	108	96.9	92.5	100.0
1-4,999 baht	506	741,766	31	6.4	0.0	25.1	475	93.6	74.9	100.0
5,000-9,999 baht	582	1,395,344	53	8.3	3.2	13.4	529	91.7	86.6	96.8
10,000 baht upper	536	1,179,620	31	7.7	0.0	26.8	505	92.3	73.2	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,839	3,966,929	1,010	49.5	45.2	53.7	172	11.3	1.3	21.3	152	13.2	0.0	43.4	505	26.1	0.0	62.1
municipal area	910	2,071,811	509	46.7	36.2	57.2	92	11.9	10.8	13.0	71	14.5	2.0	26.9	238	26.9	23.8	30.0
out municipal area	929	1,895,118	501	52.5	38.6	66.3	80	10.6	0.0	27.8	81	11.7	0.0	56.1	267	25.2	0.0	100.0
male	879	1,916,717	464	47.6	47.2	48.0	72	10.1	4.8	15.5	73	12.9	0.0	44.3	270	29.4	0.0	65.7
female	960	2,050,211	546	51.2	43.1	59.2	100	12.4	0.0	26.5	79	13.4	0.0	42.5	235	23.0	0.0	58.2
15-39 years	608	2,036,847	255	39.9	26.3	53.5	61	11.4	1.3	21.5	58	14.0	0.0	49.8	234	34.7	2.3	67.0
40-59 years	651	1,340,883	384	55.9	45.1	66.8	65	12.0	0.4	23.6	58	13.9	0.0	44.9	144	18.2	0.0	49.9
60-79 years	580	589,198	371	67.6	38.9	96.3	46	9.4	3.2	15.6	36	8.6	0.0	19.6	127	14.5	0.0	60.3
never attended school	157	163,780	81	50.7	23.5	77.9	10	7.3	0.0	19.3	16	12.2	11.0	13.3	50	29.8	0.0	70.2
pratoon 1-6	796	1,553,788	493	54.9	54.5	55.4	80	11.0	10.9	11.1	65	13.1	0.0	36.5	158	21.0	0.0	43.9
matayoom 1-6	580	1,596,556	276	46.3	39.4	53.1	47	10.6	1.2	20.1	48	13.6	0.0	44.7	209	29.6	0.0	77.1
college/certificate	108	275,403	46	34.3	0.0	69.2	13	20.3	0.0	69.1	8	6.1	0.0	20.3	41	39.3	11.1	67.5
university or upper	193	374,724	111	50.8	0.0	100.0	22	10.7	0.0	33.1	15	17.6	0.0	100.0	45	20.9	0.0	57.7
no income	112	326,292	56	38.5	27.6	49.4	4	3.0	0.0	7.0	10	10.2	0.0	31.8	42	48.3	33.6	63.0
1-4,999 baht	511	747,867	279	49.1	12.0	86.2	42	7.5	4.8	10.3	30	11.8	0.0	49.9	160	31.5	0.0	100.0
5,000-9,999 baht	584	1,398,456	336	53.3	49.9	56.6	60	14.4	0.0	31.0	43	11.3	0.0	28.0	145	21.0	0.0	50.8
10,000 baht upper	536	1,185,299	299	52.9	35.2	70.6	53	11.9	3.9	19.8	50	14.4	0.0	59.1	134	20.8	0.0	55.8

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,834	3,967,614	470	24.4	7.1	41.7	154	8.8	7.6	9.9	284	22.1	0.0	60.2	926	44.7	22.7	66.7
municipal area	913	2,082,639	230	20.4	6.0	34.8	86	9.5	8.2	10.8	144	26.2	5.6	46.9	453	43.8	38.8	48.9
out municipal area	921	1,884,975	240	28.9	24.9	32.8	68	7.9	7.1	8.8	140	17.6	0.0	58.0	473	45.7	8.3	83.0
male	878	1,919,838	193	21.2	12.4	30.0	60	6.2	5.4	6.9	118	20.2	0.0	58.2	507	52.4	24.0	80.8
female	956	2,047,776	277	27.4	1.8	53.1	94	11.2	8.5	13.8	166	23.9	0.0	61.9	419	37.5	22.5	52.6
15-39 years	609	2,037,128	177	26.3	0.0	55.5	67	9.6	4.8	14.3	81	19.5	0.0	55.2	284	44.6	42.8	46.3
40-59 years	648	1,341,139	172	22.8	11.3	34.3	55	8.1	2.6	13.6	106	26.4	0.0	71.9	315	42.8	3.2	82.3
60-79 years	577	589,347	121	21.4	7.9	35.0	32	7.5	0.0	20.5	97	21.4	0.0	48.0	327	49.6	0.0	100.0
never attended school	156	163,744	22	20.9	0.0	84.7	8	5.1	0.8	9.5	26	21.7	0.0	73.4	100	52.3	0.0	100.0
pratoon 1-6	792	1,547,549	189	20.8	6.5	35.2	45	6.6	3.3	9.9	136	27.4	0.0	73.6	422	45.2	10.0	80.4
matayoom 1-6	579	1,602,057	154	27.1	17.1	37.0	59	9.3	6.5	12.1	91	19.4	0.9	37.9	275	44.3	38.6	50.1
college/certificate	110	278,267	29	25.2	18.3	32.2	16	19.0	0.0	54.0	8	9.8	0.0	19.7	57	46.0	8.0	84.0
university or upper	192	373,320	76	29.0	0.0	100.0	26	9.4	0.0	21.3	23	21.8	0.0	100.0	67	39.7	25.7	53.8
no income	113	328,316	32	24.8	0.0	100.0	13	9.9	3.7	16.1	16	21.2	0.0	54.6	52	44.1	0.0	100.0
1-4,999 baht	510	747,831	118	21.6	13.9	29.3	32	5.6	0.0	11.4	79	21.8	0.0	83.3	281	51.0	0.0	100.0
5,000-9,999 baht	580	1,396,160	129	23.1	21.2	25.0	51	10.8	0.4	21.3	112	27.3	0.0	58.4	288	38.8	0.0	78.4
10,000 baht upper	535	1,185,673	171	29.7	8.1	51.4	54	9.1	1.4	16.7	69	21.2	0.0	73.9	241	40.0	16.7	63.3

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

Part 3 Weight and height

Table 3.1 How much is your BMI?

Variable	Frequency	WgtFreq	BMI < 18kg/m ²				18 kg/m ² <= BMI < 25.0 kg/m ²				25 <= BMI < 30.0 Kg/m ²				BMI >= 30 kg/m ²			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,838	3,967,366	170	10.7	5.1	16.2	1,017	57.9	57.0	58.7	494	23.0	18.1	28.0	157	8.5	7.1	9.9
municipal area	914	2,080,705	86	11.8	10.7	12.9	500	59.5	53.0	65.9	255	21.6	18.1	25.1	73	7.2	3.2	11.2
out municipal area	924	1,886,661	84	9.4	3.6	15.3	517	56.1	44.2	68.0	239	24.6	23.9	25.3	84	9.9	3.1	16.7
male	878	1,917,246	86	11.9	5.2	18.6	544	63.2	62.0	64.3	199	20.5	18.2	22.8	49	4.4	0.0	10.0
female	960	2,050,120	84	9.5	4.9	14.1	473	52.9	51.6	54.2	295	25.3	17.6	33.1	108	12.3	10.4	14.2
15-24 years	258	805,887	67	26.0	14.2	37.8	157	60.0	38.2	81.8	24	9.5	7.4	11.5	10	4.5	0.0	12.5
25-34 years	235	713,292	22	8.1	6.9	9.3	135	59.4	57.3	61.6	55	21.2	16.4	26.0	23	11.2	9.8	12.7
35-44 years	291	818,339	15	9.2	0.0	25.5	157	54.2	39.7	68.7	81	21.7	0.0	63.4	38	14.9	4.0	25.8
45-54 years	324	643,416	12	2.6	1.0	4.1	186	62.5	44.5	80.4	104	30.3	30.2	30.5	22	4.6	0.0	24.3
55-64 years	368	605,973	13	3.0	2.2	3.8	186	56.0	48.1	63.9	132	33.0	31.5	34.4	37	8.1	0.0	18.2
65-74 years	261	271,912	27	11.2	1.9	20.4	141	52.5	31.3	73.7	74	30.4	10.1	50.8	19	5.9	0.0	14.2
75-79 years	101	108,547	14	13.7	9.6	17.8	55	55.9	53.2	58.6	24	27.0	24.7	29.3	8	3.3	0.0	7.0
never attended school	157	163,780	13	8.1	0.0	19.0	82	53.2	27.9	78.4	50	33.3	4.1	62.5	12	5.5	0.0	20.4
pratoon 1-6	790	1,543,301	56	5.8	2.9	8.7	422	55.8	51.7	59.9	240	28.9	28.0	29.9	72	9.5	9.3	9.7
matayoom 1-6	581	1,600,780	67	14.3	1.1	27.5	341	57.5	46.2	68.8	123	19.3	19.1	19.4	50	8.9	7.2	10.7
college/certificate	111	279,451	12	16.1	10.8	21.4	65	66.4	18.4	100.0	25	9.8	0.0	43.5	9	7.6	0.0	16.6
university or upper	193	374,724	22	12.5	8.7	16.3	104	63.6	0.0	100.0	53	19.7	0.0	77.5	14	4.3	0.0	14.8
no income	113	328,316	20	19.4	0.0	53.7	60	60.7	8.2	100.0	25	12.3	4.8	19.7	8	7.6	0.0	18.4
1-4,999 baht	510	744,452	71	17.9	11.4	24.5	264	54.0	49.8	58.3	136	23.3	20.2	26.3	39	4.8	0.0	18.6
5,000-9,999 baht	585	1,402,669	43	7.5	5.3	9.6	324	56.4	55.5	57.4	166	24.5	16.7	32.3	52	11.6	5.0	18.2
10,000 baht upper	538	1,187,986	28	7.4	0.0	17.3	317	60.3	48.8	71.8	144	25.2	17.7	32.6	49	7.1	0.0	21.1

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,847	3,986,079	421	35.6	0.0	100.0	1,426	64.4	0.0	100.0
municipal area	916	2,085,658	220	41.4	7.0	75.8	696	58.6	24.2	93.0
out municipal area	931	1,900,421	201	29.3	0.0	100.0	730	70.7	0.0	100.0
male	886	1,932,907	203	33.4	0.0	95.3	683	66.6	4.7	100.0
female	961	2,053,172	218	37.7	0.0	100.0	743	62.3	0.0	100.0
15-24 years	258	805,887	66	36.3	0.0	100.0	192	63.7	0.0	100.0
25-34 years	236	716,344	55	30.3	0.0	90.1	181	69.7	9.9	100.0
35-44 years	291	818,339	83	46.6	0.0	100.0	208	53.4	0.0	100.0
45-54 years	325	645,916	81	33.7	0.0	100.0	244	66.3	0.0	100.0
55-64 years	371	612,057	69	32.9	0.0	89.3	302	67.1	10.7	100.0
65-74 years	263	276,390	49	30.6	0.0	100.0	214	69.4	0.0	100.0
75-79 years	103	111,146	18	22.4	0.0	65.5	85	77.6	34.5	100.0
never attended school	157	163,780	22	26.6	0.0	100.0	135	73.4	0.0	100.0
pratoon 1-6	797	1,556,440	195	35.0	0.0	86.6	602	65.0	13.4	100.0
matayoom 1-6	583	1,606,354	135	31.7	0.0	93.1	448	68.3	6.9	100.0
college/certificate	111	279,451	22	43.8	0.0	100.0	89	56.2	0.0	100.0
university or upper	193	374,724	46	52.7	0.0	100.0	147	47.3	0.0	100.0
no income	113	328,316	29	30.4	0.0	100.0	84	69.6	0.0	100.0
1-4,999 baht	511	747,867	100	31.2	0.0	100.0	411	68.8	0.0	100.0
5,000-9,999 baht	586	1,405,168	147	34.2	0.0	82.6	439	65.8	17.4	100.0
10,000 baht upper	539	1,191,037	124	42.9	0.0	100.0	415	57.1	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,840	3,980,576	357	24.5	0.0	52.0	118	3.4	0.0	19.1	1,365	72.1	60.3	83.8
municipal area	913	2,085,213	166	24.8	18.0	31.6	47	1.9	0.0	6.2	700	73.3	70.8	75.7
out municipal area	927	1,895,363	191	24.2	0.0	73.2	71	5.1	0.0	27.1	665	70.7	43.8	97.7
male	881	1,928,615	346	49.6	0.0	100.0	113	7.0	0.0	37.9	422	43.4	15.1	71.6
female	959	2,051,961	11	0.9	0.3	1.6	5	0.1	0.0	0.9	943	99.0	98.8	99.2
15-24 years	257	804,704	53	33.6	0.0	100.0	9	2.2	0.0	9.4	195	64.1	0.0	100.0
25-34 years	236	716,344	59	28.3	0.0	66.7	17	4.1	0.0	35.5	160	67.6	60.6	74.6
35-44 years	289	817,218	55	18.3	11.0	25.5	10	1.5	0.0	10.6	224	80.3	78.4	82.2
45-54 years	323	645,597	77	25.3	10.5	40.1	19	4.1	0.0	18.1	227	70.6	69.8	71.3
55-64 years	370	609,805	67	22.0	16.9	27.2	32	4.0	0.0	19.9	271	73.9	63.2	84.7
65-74 years	263	276,390	38	16.4	0.5	32.3	25	6.9	0.0	36.0	200	76.7	63.5	89.8
75-79 years	102	110,518	8	9.4	0.0	20.8	6	6.2	4.5	7.9	88	84.4	74.7	94.0
never attended school	157	163,780	25	26.0	0.0	64.5	9	2.0	0.0	31.8	123	72.0	63.4	80.6
pratoon 1-6	793	1,552,348	145	23.0	0.4	45.5	60	4.8	0.0	26.2	588	72.2	71.1	73.4
matayoom 1-6	583	1,606,354	126	25.5	0.0	59.4	36	2.8	0.0	17.4	421	71.7	52.6	90.8
college/certificate	109	279,223	30	28.2	14.7	41.8	6	3.1	0.0	9.8	73	68.7	48.4	88.9
university or upper	192	373,541	29	22.7	0.0	71.1	7	1.5	0.0	7.4	156	75.8	33.3	100.0
no income	113	328,316	10	11.4	1.8	21.1	2	0.9	0.0	2.5	101	87.7	76.4	98.9
1-4,999 baht	509	746,244	70	22.6	0.0	79.2	28	3.9	0.0	11.0	411	73.5	24.1	100.0
5,000-9,999 baht	584	1,401,732	126	27.3	0.7	53.9	44	4.0	0.0	24.0	414	68.7	62.0	75.3
10,000 baht upper	536	1,190,592	133	26.6	5.1	48.2	43	3.8	0.0	26.4	360	69.6	68.5	70.7

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	358	975,993	174	52.5	19.6	85.3	184	47.5	14.7	80.4
municipal area	167	517,824	82	48.8	48.5	49.1	85	51.2	50.9	51.5
out municipal area	191	458,170	92	56.6	0.0	100.0	99	43.4	0.0	100.0
male	347	956,941	169	52.4	20.2	84.6	178	47.6	15.4	79.8
female	11	19,052	5	54.5	0.0	100.0	6	45.5	0.0	100.0
15-24 years	53	270,454	30	51.0	47.6	54.3	23	49.0	45.7	52.4
25-34 years	59	203,012	29	51.3	0.0	100.0	30	48.7	0.0	100.0
35-44 years	55	149,222	21	49.2	0.0	100.0	34	50.8	0.0	100.0
45-54 years	78	163,603	44	63.0	6.8	100.0	34	37.0	0.0	93.2
55-64 years	67	134,368	27	48.7	46.1	51.3	40	51.3	48.7	53.9
65-74 years	37	44,297	17	44.9	13.3	76.5	20	55.1	23.5	86.7
75-79 years	9	11,039	6	76.8	31.9	100.0	3	23.2	0.0	68.1
never attended school	25	42,594	10	50.7	49.0	52.5	15	49.3	47.5	51.0
pratoon 1-6	145	355,921	71	43.5	26.9	60.0	74	56.5	40.0	73.1
matayoom 1-6	126	410,407	66	58.4	18.5	98.3	60	41.6	1.7	81.5
college/certificate	31	78,898	15	69.9	0.0	100.0	16	30.1	0.0	100.0
university or upper	29	84,902	11	45.1	0.0	100.0	18	54.9	0.0	100.0
no income	10	37,553	3	32.5	5.3	59.8	7	67.5	40.2	94.7
1-4,999 baht	71	169,299	35	55.5	32.0	79.1	36	44.5	20.9	68.0
5,000-9,999 baht	126	383,195	64	52.2	49.2	55.2	62	47.8	44.8	50.8
10,000 baht upper	134	316,984	59	48.0	0.0	100.0	75	52.0	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

Part 6 Alcohol

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

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,844	3,981,253	204	14.9	0.0	43.2	1,640	85.1	56.8	100.0
municipal area	916	2,085,658	92	14.5	5.2	23.8	824	85.5	76.2	94.8
out municipal area	928	1,895,596	112	15.3	0.0	66.0	816	84.7	34.0	100.0
male	886	1,932,907	178	26.3	0.0	81.4	708	73.7	18.6	100.0
female	958	2,048,346	26	4.1	0.0	8.7	932	95.9	91.3	100.0
15-24 years	258	805,887	34	13.6	0.0	40.1	224	86.4	59.9	100.0
25-34 years	235	714,784	40	16.8	0.0	46.3	195	83.2	53.7	100.0
35-44 years	291	818,339	31	17.3	0.0	64.4	260	82.7	35.6	100.0
45-54 years	325	645,916	51	18.8	0.0	48.9	274	81.2	51.1	100.0
55-64 years	370	611,188	37	13.1	0.0	31.0	333	86.9	69.0	100.0
65-74 years	262	273,993	11	7.1	0.0	19.8	251	92.9	80.2	100.0
75-79 years	103	111,146	0	0.0	0.0	0.0	103	100.0	100.0	100.0
never attended school	157	163,780	3	3.7	0.0	11.4	154	96.3	88.6	100.0
pratoon 1-6	795	1,553,174	79	12.8	0.0	28.9	716	87.2	71.1	100.0
matayoom 1-6	583	1,606,354	74	14.5	0.0	41.0	509	85.5	59.0	100.0
college/certificate	111	279,451	23	28.4	0.0	100.0	88	71.6	0.0	100.0
university or upper	192	373,165	23	19.0	0.0	87.3	169	81.0	12.7	100.0
no income	113	328,316	6	5.4	0.0	20.8	107	94.6	79.2	100.0
1-4,999 baht	510	746,999	21	6.6	0.0	21.7	489	93.4	78.3	100.0
5,000-9,999 baht	584	1,401,211	67	15.6	0.0	42.6	517	84.4	57.4	100.0
10,000 baht upper	539	1,191,037	98	21.3	0.0	63.7	441	78.7	36.3	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,844	3,981,253	202	14.8	0.0	44.1	1,642	85.2	55.9	100.0
municipal area	916	2,085,658	92	14.5	5.2	23.8	824	85.5	76.2	89.2
out municipal area	928	1,895,596	110	15.1	0.0	67.7	818	84.9	32.3	100.0
male	886	1,932,907	178	26.3	0.0	81.4	708	73.7	18.6	100.0
female	958	2,048,346	24	3.9	0.0	10.6	934	96.1	89.4	100.0
15-24 years	258	805,887	34	13.6	0.0	40.1	224	86.4	59.9	100.0
25-34 years	235	714,784	39	16.5	0.0	50.9	196	83.5	49.1	100.0
35-44 years	291	818,339	31	17.3	0.0	64.4	260	82.7	35.6	86.9
45-54 years	325	645,916	50	18.7	0.0	49.5	275	81.3	50.5	100.0
55-64 years	370	611,188	37	13.1	0.0	31.0	333	86.9	69.0	91.9
65-74 years	262	273,993	11	7.1	0.0	19.8	251	92.9	80.2	97.5
75-79 years	103	111,146	0	0.0	0.0	0.0	103	100.0	100.0	100.0
never attended school	157	163,780	3	3.7	0.0	11.4	154	96.3	88.6	92.4
pratoon 1-6	795	1,553,174	79	12.8	0.0	28.9	716	87.2	71.1	100.0
matayoom 1-6	583	1,606,354	73	14.5	0.0	41.2	510	85.5	58.8	100.0
college/certificate	111	279,451	23	28.4	0.0	100.0	88	71.6	0.0	76.4
university or upper	192	373,165	22	18.5	0.0	95.2	170	81.5	4.8	100.0
no income	113	328,316	6	5.4	0.0	20.8	107	94.6	79.2	100.0
1-4,999 baht	510	746,999	21	6.6	0.0	21.7	489	93.4	78.3	98.3
5,000-9,999 baht	584	1,401,211	67	15.6	0.0	42.6	517	84.4	57.4	100.0
10,000 baht upper	539	1,191,037	96	21.1	0.0	66.8	443	78.9	33.2	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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			
			Frequency	Percent	LowerCL	UpperCL	Frequency	Percent	LowerCL	UpperCL
overall	1,844	3,981,253	97	7.3	0.0	22.9	1,747	92.7	77.1	100.0
municipal area	916	2,085,658	45	7.6	2.7	12.6	871	92.4	87.4	97.3
out municipal area	928	1,895,596	52	6.9	0.0	32.8	876	93.1	67.2	100.0
male	886	1,932,907	84	13.7	0.0	47.6	802	86.3	52.4	100.0
female	958	2,048,346	13	1.2	0.5	2.0	945	98.8	98.0	99.5
15-24 years	258	805,887	12	4.2	0.0	14.2	246	95.8	85.8	100.0
25-34 years	235	714,784	23	10.0	0.0	40.1	212	90.0	59.9	100.0
35-44 years	291	818,339	18	10.0	0.0	37.1	273	90.0	62.9	100.0
45-54 years	325	645,916	24	7.7	0.8	14.7	301	92.3	85.3	99.2
55-64 years	370	611,188	18	8.1	0.0	19.0	352	91.9	81.0	100.0
65-74 years	262	273,993	2	1.4	0.7	2.0	260	98.6	98.0	99.3
75-79 years	103	111,146	0	0.0	0.0	0.0	103	100.0	100.0	100.0
never attended school	157	163,780	1	3.2	0.0	18.1	156	96.8	81.9	100.0
pratoon 1-6	795	1,553,174	31	5.5	0.0	14.5	764	94.5	85.5	100.0
matayoom 1-6	583	1,606,354	42	8.7	0.0	29.3	541	91.3	70.7	100.0
college/certificate	111	279,451	10	8.1	0.0	24.3	101	91.9	75.7	100.0
university or upper	192	373,165	12	9.6	0.0	41.1	180	90.4	58.9	100.0
no income	113	328,316	3	2.7	0.0	10.2	110	97.3	89.8	100.0
1-4,999 baht	510	746,999	7	0.7	0.6	0.8	503	99.3	99.2	99.4
5,000-9,999 baht	584	1,401,211	29	7.8	0.0	23.5	555	92.2	76.5	100.0
10,000 baht upper	539	1,191,037	51	10.9	0.0	33.9	488	89.1	66.1	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,847	3,986,079	44	2.8	0.0	10.2	1,803	97.2	89.8	100.0
municipal area	916	2,085,658	14	1.5	1.0	2.0	902	98.5	98.0	99.0
out municipal area	931	1,900,421	30	4.3	0.0	24.8	901	95.7	75.2	100.0
male	886	1,932,907	42	5.6	0.0	20.6	844	94.4	79.4	100.0
female	961	2,053,172	2	0.2	0.0	0.7	959	99.8	99.3	100.0
15-24 years	258	805,887	4	1.7	0.0	7.0	254	98.3	93.0	100.0
25-34 years	236	716,344	10	4.2	0.0	18.8	226	95.8	81.2	100.0
35-44 years	291	818,339	5	1.9	0.0	6.9	286	98.1	93.1	100.0
45-54 years	325	645,916	15	5.3	0.0	17.3	310	94.7	82.7	100.0
55-64 years	371	612,057	8	2.5	0.0	6.4	363	97.5	93.6	100.0
65-74 years	263	276,390	2	1.5	0.0	5.7	261	98.5	94.3	100.0
75-79 years	103	111,146	0	0.0	0.0	0.0	103	100.0	100.0	100.0
never attended school	157	163,780	1	3.2	0.0	18.1	156	96.8	81.9	100.0
pratoon 1-6	797	1,556,440	21	3.0	0.0	8.7	776	97.0	91.3	100.0
matayoom 1-6	583	1,606,354	19	3.3	0.0	11.3	564	96.7	88.7	100.0
college/certificate	111	279,451	1	0.9	0.0	3.8	110	99.1	96.2	100.0
university or upper	193	374,724	2	1.4	0.0	8.6	191	98.6	91.4	100.0
no income	113	328,316	1	1.4	0.0	5.4	112	98.6	94.6	100.0
1-4,999 baht	511	747,867	7	1.7	0.0	8.3	504	98.3	91.7	100.0
5,000-9,999 baht	586	1,405,168	15	2.6	0.0	7.5	571	97.4	92.5	100.0
10,000 baht upper	539	1,191,037	20	4.7	0.0	19.4	519	95.3	80.6	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,847	3,986,079	1,255	71.1	47.6	94.6	592	28.9	5.4	52.4
municipal area	916	2,085,658	606	70.1	67.7	72.5	310	29.9	27.5	32.3
out municipal area	931	1,900,421	649	72.2	29.4	100.0	282	27.8	0.0	70.6
male	886	1,932,907	661	75.0	51.4	98.6	225	25.0	1.4	48.6
female	961	2,053,172	594	67.4	44.4	90.4	367	32.6	9.6	55.6
15-24 years	258	805,887	232	93.7	84.0	100.0	26	6.3	0.0	16.0
25-34 years	236	716,344	196	78.8	33.2	100.0	40	21.2	0.0	66.8
35-44 years	291	818,339	208	71.3	58.7	83.8	83	28.7	16.2	41.3
45-54 years	325	645,916	219	62.2	33.8	90.6	106	37.8	9.4	66.2
55-64 years	371	612,057	221	54.4	18.9	89.9	150	45.6	10.1	81.1
65-74 years	263	276,390	133	49.8	34.2	65.4	130	50.2	34.6	65.8
75-79 years	103	111,146	46	53.2	4.9	100.0	57	46.8	0.0	95.1
never attended school	157	163,780	66	49.1	29.3	68.9	91	50.9	31.1	70.7
pratoon 1-6	797	1,556,440	482	60.5	42.0	79.1	315	39.5	20.9	58.0
matayoom 1-6	583	1,606,354	450	78.3	58.5	98.1	133	21.7	1.9	41.5
college/certificate	111	279,451	90	81.0	58.7	100.0	21	19.0	0.0	41.3
university or upper	193	374,724	164	86.2	48.7	100.0	29	13.8	0.0	51.3
no income	113	328,316	82	74.7	39.4	100.0	31	25.3	0.0	60.6
1-4,999 baht	511	747,867	301	67.4	42.5	92.3	210	32.6	7.7	57.5
5,000-9,999 baht	586	1,405,168	368	64.6	49.1	80.2	218	35.4	19.8	50.9
10,000 baht upper	539	1,191,037	434	78.6	43.5	100.0	105	21.4	0.0	56.5

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,840	3,979,521	781	35.2	32.4	38.0	69	4.8	0.0	11.7	53	3.7	0.0	11.4	937	56.3	44.4	68.2
municipal area	915	2,084,668	401	36.2	33.1	39.2	43	6.9	1.0	12.7	30	4.4	0.3	8.5	441	52.5	39.6	65.5
out municipal area	925	1,894,853	380	34.1	20.9	47.4	26	2.6	2.4	2.7	23	2.8	0.0	11.6	496	60.5	56.0	65.0
male	883	1,930,678	338	31.5	29.6	33.4	24	3.8	0.0	11.6	22	2.2	0.0	5.2	499	62.5	53.6	71.3
female	957	2,048,843	443	38.7	34.5	42.9	45	5.7	0.0	11.7	31	5.0	0.0	17.1	438	50.5	36.6	64.4
15-24 years	257	804,897	23	9.0	0.0	18.2	1	0.0	0.0	0.7	1	0.0	0.0	0.8	232	91.0	80.2	100.0
25-34 years	235	714,784	56	22.5	13.5	31.4	8	3.9	0.0	13.1	4	3.8	0.0	17.4	167	69.8	55.9	83.7
35-44 years	290	816,780	120	37.5	28.2	46.7	9	3.9	0.0	11.7	13	6.0	0.0	20.3	148	52.7	50.0	55.4
45-54 years	325	645,916	148	44.0	1.0	87.0	15	7.5	0.0	22.9	17	5.4	0.0	11.2	145	43.1	21.1	65.0
55-64 years	371	612,057	211	57.5	40.0	74.9	23	10.7	0.0	27.5	8	2.4	0.0	6.8	129	29.4	0.0	68.2
65-74 years	260	274,560	153	53.1	38.3	67.9	10	5.5	0.0	16.8	6	6.2	0.0	22.9	91	35.2	22.1	48.3
75-79 years	102	110,527	70	73.5	37.8	100.0	3	1.3	1.0	1.6	4	2.4	0.0	12.3	25	22.8	0.0	48.9
never attended school	154	161,809	78	43.9	21.1	66.7	6	2.2	0.0	6.7	1	0.4	0.0	6.2	69	53.5	29.4	77.6
pratoon 1-6	797	1,556,440	399	42.3	33.2	51.5	39	6.5	4.1	8.8	25	4.6	0.0	12.1	334	46.6	45.9	47.3
matayoom 1-6	580	1,603,326	165	23.4	18.5	28.3	17	4.0	0.0	10.5	20	3.1	0.0	8.4	378	69.5	62.5	76.4
college/certificate	111	279,451	44	36.0	28.2	43.7	4	5.4	0.0	20.7	2	0.8	0.0	3.3	61	57.8	47.8	67.9
university or upper	192	373,165	93	52.0	0.0	100.0	3	2.2	0.0	12.8	5	5.7	0.0	34.6	91	40.1	0.0	100.0
no income	113	328,316	28	23.6	2.9	44.3	3	2.4	0.1	4.6	1	0.4	0.0	1.5	81	73.6	49.6	97.7
1-4,999 baht	507	744,906	231	32.2	22.6	41.8	18	4.6	0.0	21.1	8	2.5	0.0	9.3	250	60.6	27.8	93.5
5,000-9,999 baht	584	1,403,130	231	32.5	21.4	43.7	27	5.2	0.0	11.6	24	4.6	0.0	11.5	302	57.7	55.4	59.9
10,000 baht upper	538	1,189,478	239	42.4	33.8	51.0	18	5.3	0.6	9.9	17	4.1	0.0	15.917	264	48.2	40.3	56.1

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	902	1,736,327	209	20.2	13.9	26.5	693	79.8	73.5	86.1
municipal area	472	988,647	108	22.0	17.8	26.2	364	78.0	73.8	82.2
out municipal area	430	747,680	101	17.9	0.0	47.7	329	82.1	52.3	100.0
male	385	725,204	77	19.7	1.0	38.3	308	80.3	61.7	99.0
female	517	1,011,123	132	20.6	0.0	44.8	385	79.4	55.2	100.0
15-24 years	26	73,759	0	0.0	0.0	0.0	26	100.0	100.0	100.0
25-34 years	68	217,177	4	3.7	0.0	36.6	64	96.3	63.4	100.0
35-44 years	142	386,706	18	7.5	0.0	42.8	124	92.5	57.2	100.0
45-54 years	179	365,363	46	30.1	24.1	36.2	133	69.9	63.8	75.9
55-64 years	242	431,949	66	30.3	30.2	30.4	176	69.7	69.6	69.8
65-74 years	167	175,412	51	29.0	23.8	34.3	116	71.0	65.7	76.2
75-79 years	78	85,961	24	25.8	15.7	35.9	54	74.2	64.1	84.3
never attended school	88	77,190	22	15.1	0.0	50.6	66	84.9	49.4	100.0
pratoon 1-6	458	824,378	126	30.6	15.6	45.6	332	69.4	54.4	84.4
matayoom 1-6	203	490,678	34	10.8	0.0	36.4	169	89.2	63.6	100.0
college/certificate	49	117,786	7	8.0	0.0	54.4	42	92.0	45.6	100.0
university or upper	102	224,899	18	10.2	0.0	50.7	84	89.8	49.3	100.0
no income	32	86,529	6	5.2	0.0	47.9	26	94.8	52.1	100.0
1-4,999 baht	258	292,703	78	29.3	11.3	47.4	180	70.7	52.6	88.7
5,000-9,999 baht	283	595,482	61	16.5	16.1	16.9	222	83.5	83.1	83.9
10,000 baht upper	271	613,066	57	23.6	19.0	28.2	214	76.4	71.8	81.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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			
			Freque	Percent	LowerC	UpperC	Freque	Percent	LowerC	UpperC	Freque	Percent	LowerC	UpperC	Freque	Percent	LowerC	UpperC
overall	1,838	3,982,694	1,453	81.1	38.5	100.0	55	2.4	0.0	5.6	10	0.7	0.0	1.4	320	15.8	0.0	56.0
municipal area	912	2,085,086	712	79.9	64.4	95.5	37	3.0	1.6	4.5	7	1.0	0.8	1.1	156	16.0	1.8	30.3
out municipal area	926	1,897,608	741	82.3	5.4	100.0	18	1.8	0.0	9.3	3	0.4	0.1	0.7	164	15.5	0.0	85.3
male	879	1,930,330	660	76.0	24.7	100.0	30	2.2	0.0	7.8	6	0.9	0.0	2.7	183	20.9	0.0	68.4
female	959	2,052,364	793	85.9	52.0	100.0	25	2.6	1.6	3.6	4	0.5	0.3	0.7	137	11.0	0.0	43.7
15-24 years	257	805,661	119	56.8	0.0	100.0	5	2.5	0.0	6.0	1	0.1	0.0	1.5	132	40.6	0.0	100.0
25-34 years	235	716,117	157	76.2	13.6	100.0	6	0.7	0.0	12.0	6	3.3	0.0	10.7	66	19.7	0.0	78.4
35-44 years	291	818,339	246	90.0	52.3	100.0	10	2.5	0.0	12.9	0	0.0	0.0	0.0	35	7.4	0.0	34.9
45-54 years	325	645,916	272	86.6	73.0	100.0	15	4.5	1.8	7.1	2	0.2	0.1	0.2	36	8.8	0.0	19.7
55-64 years	368	611,139	329	93.4	71.3	100.0	9	2.1	1.2	3.0	0	0.0	0.0	0.0	30	4.4	0.0	27.5
65-74 years	261	275,039	238	92.5	88.3	96.7	5	2.4	0.0	7.5	1	0.8	0.0	3.0	17	4.3	0.0	15.7
75-79 years	101	110,484	92	94.4	92.9	95.9	5	2.1	0.0	4.5	0	0.0	0.0	0.0	4	3.5	0.0	7.5
never attended school	154	161,809	133	90.2	65.6	100.0	4	1.0	0.0	15.8	0	0.0	0.0	0.0	17	8.8	0.0	18.6
pratoon 1-6	795	1,556,321	694	86.5	74.3	98.6	27	2.8	0.0	10.0	3	0.3	0.0	0.7	71	10.5	5.1	15.9
matayoom 1-6	581	1,605,508	414	78.2	26.0	100.0	12	1.2	0.0	6.8	4	0.4	0.0	2.0	151	20.2	0.0	65.3
college/certificate	110	279,228	73	63.5	46.6	80.5	7	8.9	0.0	33.4	1	3.4	0.0	14.3	29	24.2	0.0	76.5
university or upper	192	374,498	136	81.1	0.0	100.0	5	2.4	0.0	10.4	2	1.9	0.0	10.4	49	14.7	0.0	100.0
no income	113	328,316	77	67.9	60.2	75.5	4	3.4	2.7	4.1	0	0.0	0.0	0.0	32	28.7	20.4	37.0
1-4,999 baht	505	745,401	391	81.6	0.0	100.0	10	0.8	0.7	0.8	3	0.3	0.0	5.4	101	17.2	0.0	100.0
5,000-9,999 baht	585	1,405,092	495	88.0	51.2	100.0	20	1.6	0.0	9.8	3	0.8	0.0	2.6	67	9.5	0.0	39.9
10,000 baht upper	537	1,190,195	421	83.3	38.8	100.0	19	3.7	1.1	6.3	3	0.6	0.0	2.6	94	12.4	0.0	56.3

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	1,520	3,341,723	270	10.8	1.0	20.5	1,250	89.2	79.5	99.0
municipal area	756	1,739,437	124	10.5	7.7	13.2	632	89.5	86.8	92.3
out municipal area	764	1,602,286	146	11.1	0.0	27.5	618	88.9	72.5	100.0
male	698	1,517,700	118	11.0	0.0	22.2	580	89.0	77.8	100.0
female	822	1,824,023	152	10.6	1.9	19.2	670	89.4	80.8	98.1
15-24 years	126	478,879	1	0.1	0.0	2.8	125	99.9	97.2	100.0
25-34 years	169	573,436	6	2.4	2.0	2.9	163	97.6	97.1	98.0
35-44 years	255	756,638	16	4.4	0.0	15.0	239	95.6	85.0	100.0
45-54 years	288	583,368	40	11.1	0.0	36.8	248	88.9	63.2	100.0
55-64 years	339	578,871	96	25.2	16.8	33.6	243	74.8	66.4	83.2
65-74 years	245	264,466	73	25.1	5.2	44.9	172	74.9	55.1	94.8
75-79 years	98	106,066	38	33.4	3.9	62.8	60	66.6	37.2	96.1
never attended school	139	148,146	53	25.4	0.0	79.5	86	74.6	20.5	100.0
pratoon 1-6	722	1,386,261	136	15.4	13.2	17.6	586	84.6	82.4	86.8
matayoom 1-6	430	1,273,961	49	6.0	0.1	11.9	381	94.0	88.1	99.9
college/certificate	82	211,955	13	5.0	0.0	42.5	69	95.0	57.5	100.0
university or upper	144	319,672	16	6.3	0.0	15.6	128	93.7	84.4	100.0
no income	81	234,014	10	6.5	0.4	12.6	71	93.5	87.4	99.6
1-4,999 baht	408	617,594	103	15.2	0.0	38.8	305	84.8	61.2	100.0
5,000-9,999 baht	517	1,264,329	87	8.9	1.2	16.7	430	91.1	83.3	98.8
10,000 baht upper	444	1,041,938	57	10.0	2.2	17.9	387	90.0	82.1	97.8

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	257	352,796	60	32.4	0.0	87.2	70	20.6	0.0	51.0	73	20.7	0.0	80.8	23	11.7	0.0	29.6	31	14.6	0.0	32.3
municipal area	121	179,851	28	33.3	24.9	41.6	38	23.3	0.0	46.8	27	17.4	16.1	18.7	14	17.9	3.1	32.7	14	8.2	7.2	9.1
out municipal area	136	172,946	32	31.5	0.0	100.0	32	17.9	0.0	66.1	46	24.0	0.0	100.0	9	5.3	1.4	9.1	17	21.3	0.0	84.6
male	112	162,297	25	32.8	0.0	91.8	36	25.7	2.8	48.7	33	16.9	0.0	88.0	9	14.3	0.0	51.2	9	10.3	8.5	12.1
female	145	190,500	35	32.1	0.0	83.3	34	16.3	0.0	52.9	40	23.9	0.0	74.6	14	9.5	7.6	11.3	22	18.3	0.0	52.6
15-24 years	1	707	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	6	13,877	2	64.0	0.0	100.0	0	0.0	0.0	0.0	2	12.9	0.0	100.0	0	0.0	0.0	0.0	2	23.1	4.5	41.7
35-44 years	16	33,132	3	25.1	0.0	100.0	5	4.1	0.0	64.3	5	38.1	0.0	100.0	1	7.3	0.0	43.4	2	25.5	0.0	100.0
45-54 years	38	62,633	9	34.7	0.0	100.0	13	22.1	0.0	100.0	9	19.3	0.0	70.5	2	7.8	1.4	14.3	5	16.0	0.0	56.6
55-64 years	94	146,063	18	24.8	20.3	29.3	30	28.0	13.7	42.2	24	16.9	7.0	26.7	8	15.8	0.0	43.6	14	14.6	6.5	22.7
65-74 years	69	63,856	18	41.3	0.0	100.0	13	14.8	11.3	18.4	24	22.9	0.0	100.0	9	11.5	10.1	12.9	5	9.4	0.0	19.5
75-79 years	33	32,529	9	36.9	5.4	68.5	9	22.5	0.0	84.5	9	22.1	8.6	35.7	3	10.7	10.2	11.3	3	7.6	0.0	25.1
never attended school	50	36,790	14	37.5	0.0	91.7	10	7.7	0.0	100.0	17	23.1	0.0	87.9	4	5.0	0.0	26.0	5	26.8	0.0	100.0
pratoon 1-6	131	210,310	31	33.4	0.0	100.0	30	18.3	5.7	30.8	36	23.7	0.0	98.5	15	13.8	0.0	30.1	19	10.8	7.2	14.4
matayoom 1-6	49	76,147	9	31.1	4.0	58.2	16	24.9	2.0	47.8	15	11.4	0.0	80.5	2	7.8	0.0	28.1	7	24.9	0.0	69.4
college/certificate	12	10,037	2	7.5	0.0	86.2	5	21.2	0.0	100.0	4	57.5	0.0	100.0	1	13.7	0.0	100.0	0	0.0	0.0	0.0
university or upper	14	18,314	3	25.3	0.3	50.3	9	57.5	0.0	100.0	1	1.1	0.0	18.9	1	16.2	0.0	69.9	0	0.0	0.0	0.0
no income	10	15,206	3	40.0	0.0	100.0	1	5.5	0.0	27.0	2	9.8	0.0	100.0	0	0.0	0.0	0.0	4	44.7	33.1	56.2
1-4,999 baht	95	90,600	21	43.1	0.0	100.0	20	12.3	0.0	77.6	36	28.8	0.0	100.0	11	8.4	7.7	9.1	7	7.5	0.0	34.8
5,000-9,999 baht	84	111,266	14	19.7	0.0	46.8	26	28.6	0.0	58.5	26	25.8	0.0	67.0	4	6.4	0.0	23.4	14	19.4	0.0	46.5
10,000 baht upper	56	103,938	11	16.0	0.0	38.1	22	26.7	14.9	38.5	9	16.1	0.0	58.5	8	25.5	0.0	83.6	6	15.7	0.0	33.8

Behavioral Risk Factor Surveillance System 2015 (Health Regional 12)

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	245	349,711	168	80.2	9.7	100.0	49	8.1	0.0	82.3	14	2.5	0.0	24.0	8	4.6	0.0	15.9	6	4.7	0.0	18.8
municipal area	117	178,488	79	79.8	75.1	84.6	21	4.9	0.0	18.3	8	2.3	0.0	5.9	4	5.0	1.2	8.9	5	7.9	0.0	16.3
out municipal area	128	171,224	89	80.5	0.0	100.0	28	11.4	0.0	100.0	6	2.7	0.0	42.1	4	4.1	0.0	21.3	1	1.4	0.0	8.3
male	110	162,581	72	79.5	0.0	100.0	24	7.9	0.0	82.4	8	2.3	0.0	41.2	4	6.3	0.0	25.0	2	4.0	0.0	16.6
female	135	187,130	96	80.7	20.5	100.0	25	8.2	0.0	82.3	6	2.6	0.0	9.1	4	3.1	0.0	8.4	4	5.4	0.0	20.5
15-24 years	1	707	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	6	13,877	6	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
35-44 years	14	32,247	9	65.5	0.0	100.0	2	13.1	0.0	100.0	1	4.4	0.0	71.8	2	17.0	0.0	94.0	0	0.0	0.0	0.0
45-54 years	37	61,335	30	93.6	0.0	100.0	6	6.2	0.0	100.0	1	0.2	0.0	3.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
55-64 years	91	145,749	61	74.1	40.8	100.0	20	8.2	0.0	61.6	3	3.2	0.0	11.5	3	4.9	0.0	13.7	4	9.6	0.0	29.2
65-74 years	64	63,291	41	78.8	0.0	100.0	14	9.0	0.0	62.5	4	2.7	0.0	49.5	3	5.4	0.7	10.1	2	4.0	0.0	14.8
75-79 years	32	32,505	20	90.0	0.0	100.0	7	7.8	0.0	87.2	5	2.3	0.0	40.4	0	0.0	0.0	0.0	0	0.0	0.0	0.0
never attended school	46	36,474	29	88.9	0.0	100.0	9	5.5	0.0	80.6	7	5.5	0.0	79.8	1	0.1	0.0	2.1	0	0.0	0.0	0.0
pratoon 1-6	130	210,088	94	79.1	0.0	100.0	20	9.0	0.0	88.7	6	3.1	0.0	24.7	5	3.4	0.0	7.6	5	5.3	0.0	17.1
matayoom 1-6	45	75,261	32	78.1	73.5	82.8	9	3.0	0.0	53.1	1	0.1	0.0	2.1	2	11.7	0.0	47.1	1	7.0	0.0	28.4
college/certificate	9	8,297	4	89.8	0.0	100.0	5	10.2	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	14	18,393	8	77.0	0.0	100.0	6	23.0	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
no income	10	15,206	7	85.2	36.8	100.0	1	5.5	0.0	27.0	1	0.5	0.0	7.6	0	0.0	0.0	0.0	1	8.8	0.0	42.9
1-4,999 baht	90	90,061	58	79.4	0.0	100.0	18	8.5	0.0	80.9	9	4.3	0.0	72.0	4	6.4	0.0	25.4	1	1.3	0.0	6.6
5,000-9,999 baht	79	110,283	59	76.7	56.8	96.7	12	8.3	0.0	44.6	4	4.3	0.0	14.5	1	2.8	0.0	9.8	3	7.9	0.0	27.5
10,000 baht upper	54	102,375	33	78.8	0.0	100.0	17	9.1	0.0	100.0	0	0.0	0.0	0.0	3	6.9	0.0	28.4	1	5.2	0.0	22.5

