

CORE TABLE

BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM 2015
(BRFSS 2015)

Health Regional 3

Bureau of Non-communicable diseases
Department of Disease Control

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

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Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,920	100.0	960	23.9	960	76.1
gender						
male	960	48.6	480	47.3	480	49.1
female	960	51.4	480	52.7	480	50.9
age group	1,920	100.0	960	100.0	960	100.0
15-19 years	183	11.4	96	13.6	87	10.7
20-24 years	104	7.3	53	7.2	51	7.3
25-29 years	106	6.8	53	6.8	53	6.8
30-34 years	97	6.7	47	5.9	50	7.0
35-39 years	151	11.2	72	10.6	79	11.3
40-44 years	131	7.3	63	7.1	68	7.4
45-49 years	144	8.5	77	9.3	67	8.2
50-54 years	188	11.2	86	9.7	102	11.7
55-59 years	176	10.0	93	10.2	83	9.9
60-64 years	243	7.5	117	7.1	126	7.6
65-69 years	177	5.3	84	4.9	93	5.4
70-74 years	120	3.7	65	4.2	55	3.5
75-79 years	100	3.1	54	3.2	46	3.1
education level						
never attended school	113	4.3	68	4.5	45	4.2
lower pratom	215	8.7	105	6.8	110	9.3
pratom 1-6	734	34.9	326	31.7	408	35.8
pre-high school (matayom 3)	283	18.4	134	17.4	149	18.8
high school (matayom 6)/pre-vocational school	364	21.3	202	23.6	162	20.6
high-vocational school /college	87	6.0	48	6.2	39	5.9
university or upper	114	6.4	72	9.7	42	5.3
personal income						
no income	58	3.6	35	4.9	23	3.2
1-999 baht	102	4.4	46	4.6	56	4.3
1,000 - 4,999 baht	400	22.2	187	19.0	213	23.2
5,000 - 9,999 baht	535	36.9	267	37.3	268	36.8
10,000 - 24,999 baht	404	27.3	215	27.0	189	27.4
25,000 - 49,999 baht	75	4.6	37	5.1	38	4.4
50,000 baht and upper	21	1.0	15	2.1	6	0.6
religion						
buddhism	1916	99.8	957	99.4	959	99.9
christianity	4	0.2	3	0.6	1	0.1
others	-	-	-	-	-	-

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	422	25.3	223	29.2	199	24.0
a member of unmarried couple	100	6.1	41	5.3	59	6.4
married	1,214	61.0	595	58.0	619	62.0
separate	43	1.7	27	2.2	16	1.6
divorce	137	5.9	73	5.3	64	6.1
work status						
managers	6	0.3	3	0.6	3	0.2
professionals	31	2.3	23	4.9	8	1.6
technicians and associate professionals	24	1.8	15	3.2	9	1.5
clerical support workers	39	3.8	22	4.4	17	3.7
service and sales workers	165	12.0	91	16.8	74	10.6
skilled agricultural, forestry and fishery workers	78	6.7	46	6.9	32	6.6
craft and related trades workers	501	41.2	196	33.3	305	43.4
plant and machine operators and assemblers	9	0.8	2	0.1	7	0.9
elementary occupations	442	30.8	218	28.5	224	31.4
armed forces occupations	11	0.33	11	1.5	-	-
money status						
have not enough money and have debt for daily expenditure	302	16.5	118	12.8	184	17.7
pay carefully and economize	1,220	69.3	624	70.8	596	68.8
had enough situation	162	9.4	78	7.8	84	9.9
good economic situation	109	4.8	71	8.6	38	3.6
family income						
no income	12	1.0	6	0.9	6	1.0
1- 999 baht	22	1.0	13	1.3	9	0.9
1,000 - 4,999 baht	183	11.4	77	8.0	106	12.5
5,000 - 9,999 baht	277	17.8	131	17.9	146	17.8
10,000 - 24,999 baht	628	53.0	317	52.0	311	53.3
25,000 - 49,999 baht	148	11.9	78	12.4	70	11.7
50,000 - 99,999 baht	50	3.0	31	5.1	19	2.4
100,000 - 499,999 baht	18	0.8	15	2.4	3	0.3
500,000 baht and upper	1	0.2	-	-	1	0.3

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,914	2,274,760	1,133	63.6	58.5	68.7	781	36.4	31.3	41.5
municipal area	957	542,516	562	60.4	29.1	91.6	395	39.6	8.4	70.9
out municipal area	957	1,732,243	571	64.6	61.1	68.0	386	35.4	32.0	38.9
male	956	1,105,148	612	67.2	52.5	81.8	344	32.8	18.2	47.5
female	958	1,169,612	521	60.1	55.3	65.0	437	39.9	35.0	44.7
15-24 years	285	424,681	253	89.5	84.9	94.1	32	10.5	5.9	15.1
25-34 years	202	307,110	169	84.3	53.0	100.0	33	15.7	0.0	47.0
35-44 years	280	418,517	190	71.9	46.2	97.5	90	28.1	2.5	53.8
45-54 years	332	449,972	162	49.0	17.3	80.8	170	51.0	19.2	82.7
55-64 years	419	398,631	205	45.7	0.0	92.7	214	54.3	7.3	100.0
65-74 years	297	205,505	122	40.2	3.6	76.9	175	59.8	23.1	96.4
75-79 years	99	70,344	32	29.3	0.0	100.0	67	70.7	0.0	100.0
never attended school	113	97,092	41	32.7	0.0	76.0	72	67.3	24.0	100.0
pratoon 1-6	948	987,714	438	50.5	43.9	57.1	510	49.5	42.9	56.1
matayoom 1-6	646	899,621	490	75.8	54.6	97.1	156	24.2	2.9	45.4
college/certificate	87	136,310	68	78.6	53.6	100.0	19	21.4	0.0	46.4
university or upper	114	144,472	91	82.3	27.5	100.0	23	17.7	0.0	72.5
no income	58	68,510	41	81.6	53.8	100.0	17	18.4	0.0	46.2
1-4,999 baht	502	503,794	235	54.5	17.0	91.9	267	45.5	8.1	83.0
5,000-9,999 baht	534	699,777	341	68.0	43.5	92.5	193	32.0	7.5	56.5
10,000 baht upper	500	623,772	325	64.4	63.3	65.5	175	35.6	34.5	36.7

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,835	2,159,402	1,405	76.7	60.8	92.6	187	9.3	5.0	13.7	171	10.6	0.0	28.0	72	3.4	0.0	9.2
municipal area	930	528,209	721	78.3	72.3	84.4	98	9.8	4.6	15.1	73	7.7	6.7	8.8	38	4.1	3.8	4.4
out municipal area	905	1,631,193	684	76.1	56.7	95.6	89	9.2	5.2	13.2	98	11.6	0.0	34.8	34	3.1	0.0	10.9
male	913	1,034,395	776	86.3	77.6	94.9	61	5.8	3.0	8.6	57	6.0	0.0	12.9	19	1.9	0.0	6.4
female	922	1,125,007	629	67.8	32.9	100.0	126	12.6	8.1	17.1	114	14.8	0.0	52.8	53	4.7	0.0	12.3
15-24 years	273	403,462	237	84.0	54.3	100.0	14	6.9	0.0	28.0	17	7.8	0.0	22.6	5	1.2	0.0	7.4
25-34 years	199	300,671	160	77.9	69.7	86.2	12	6.9	0.0	22.1	19	10.6	0.0	28.7	8	4.5	0.0	29.5
35-44 years	270	399,264	224	80.3	70.8	89.9	20	7.7	0.0	30.2	18	8.8	0.0	28.1	8	3.1	0.0	9.4
45-54 years	316	425,412	238	73.9	24.1	100.0	33	9.7	0.0	25.1	31	12.5	0.0	31.3	14	3.9	0.0	19.4
55-64 years	402	373,541	293	74.4	73.0	75.9	47	9.6	4.6	14.6	45	12.4	0.0	35.1	17	3.5	0.0	19.8
65-74 years	282	193,499	201	70.5	57.4	83.7	47	16.7	1.6	31.8	23	8.4	0.0	17.8	11	4.4	0.0	11.8
75-79 years	93	63,553	52	50.9	49.8	52.1	14	20.1	2.1	38.0	18	23.3	0.0	74.9	9	5.7	0.0	40.5
never attended school	108	91,986	58	49.9	0.0	100.0	22	18.1	2.2	33.9	16	20.4	0.0	100.0	12	11.7	0.0	38.3
pratoon 1-6	913	946,767	668	71.0	23.6	100.0	114	11.2	0.0	28.4	90	13.3	0.0	46.6	41	4.5	1.5	7.4
matayoom 1-6	623	854,798	516	82.1	78.9	85.2	41	7.8	7.1	8.4	51	8.1	5.8	10.5	15	2.0	0.0	8.2
college/certificate	76	114,864	68	90.8	65.0	100.0	3	4.1	0.0	37.0	5	5.1	0.0	12.1	0	0.0	0.0	0.0
university or upper	109	141,436	90	88.0	8.3	100.0	6	3.8	0.0	41.2	9	6.7	0.0	39.7	4	1.5	0.0	10.9
no income	53	64,205	40	69.5	0.0	100.0	9	20.1	0.0	45.6	4	10.3	0.0	87.8	0	0.0	0.0	0.0
1-4,999 baht	478	479,353	319	67.0	49.2	84.7	62	13.1	0.0	32.9	64	13.5	4.3	22.7	33	6.4	0.0	17.6
5,000-9,999 baht	520	682,290	422	78.5	58.3	98.8	44	6.7	6.2	7.3	40	12.6	0.0	36.8	14	2.1	0.0	5.5
10,000 baht upper	481	591,367	390	81.0	73.5	88.6	42	9.1	0.0	20.5	34	6.9	1.0	12.9	15	3.0	0.9	5.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,815	2125596	1,578	87.7	85.2	90.1	91	4.3	0.8	7.8	109	6.1	5.4	6.8	37	1.9	1.6	2.2
municipal area	920	523316.3446	807	86.9	84.4	89.4	43	4.4	3.3	5.5	53	7.2	1.5	13.0	17	1.4	0.0	5.7
out municipal area	895	1602280.074	771	87.9	83.7	92.2	48	4.3	0.0	9.3	56	5.7	4.6	6.9	20	2.1	0.2	4.0
male	904	1022723.866	830	93.5	90.5	96.5	31	2.9	2.7	3.2	29	2.3	0.0	8.1	14	1.3	0.0	3.9
female	911	1102872.552	748	82.3	78.3	86.3	60	5.6	0.0	13.1	80	9.6	4.1	15.1	23	2.5	0.5	4.5
15-24 years	267	391118.599	252	94.7	83.5	100.0	6	1.3	0.2	2.4	9	4.0	0.0	16.3	0	0.0	0.0	0.0
25-34 years	199	300204.4035	178	88.7	80.0	97.3	8	2.2	0.0	6.0	11	6.5	0.0	14.1	2	2.6	0.0	5.4
35-44 years	266	392458.5809	230	84.0	48.2	100.0	14	6.0	5.5	6.5	17	7.8	0.0	34.2	5	2.2	0.0	12.1
45-54 years	315	423357.4866	266	87.3	53.7	100.0	17	4.8	1.7	8.0	26	7.0	0.0	37.7	6	0.9	0.0	6.9
55-64 years	397	367489.1791	330	85.0	63.9	100.0	29	6.7	0.0	24.6	24	4.9	0.0	12.5	14	3.5	0.0	7.9
65-74 years	278	186158.5124	245	87.3	73.5	100.0	11	3.2	0.0	19.0	14	6.1	5.0	7.2	8	3.4	2.4	4.3
75-79 years	93	64809.657	77	82.1	43.8	100.0	6	8.2	6.6	9.8	8	7.6	0.0	23.3	2	2.1	0.0	26.3
never attended school	107	91115.6226	83	79.0	74.6	83.3	13	8.0	0.0	37.0	7	8.5	0.0	45.3	4	4.6	1.0	8.1
pratoon 1-6	902	931709.0281	752	81.7	80.6	82.8	51	5.8	0.0	13.9	74	10.2	2.7	17.7	25	2.3	1.8	2.7
matayoom 1-6	616	842202.0875	568	93.0	91.3	94.7	23	3.2	0.0	8.0	19	2.0	0.0	11.8	6	1.7	0.0	5.0
college/certificate	75	111367.9282	73	98.9	94.1	100.0	0	0.0	0.0	0.0	2	1.1	0.0	5.9	0	0.0	0.0	0.0
university or upper	108	138453.4883	96	92.8	84.0	100.0	4	2.1	1.5	2.8	6	4.4	3.3	5.6	2	0.7	0.0	7.6
no income	53	64285.3973	49	97.3	74.1	100.0	2	0.6	0.0	5.5	1	1.6	0.0	15.2	1	0.5	0.0	5.1
1-4,999 baht	475	476837.0484	394	86.4	86.2	86.5	34	6.0	4.2	7.9	35	5.1	2.8	7.4	12	2.5	0.0	6.5
5,000-9,999 baht	515	669816.3356	452	85.9	70.4	100.0	30	5.1	0.0	12.9	27	8.4	0.0	30.7	6	0.6	0.0	1.6
10,000 baht upper	477	587328.6993	415	88.6	78.4	98.7	22	3.7	3.5	3.9	31	5.2	0.0	17.0	9	2.6	1.2	4.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,843	2,160,945	1,766	95.5	93.9	97.1	24	1.3	0.9	1.6	37	2.3	1.5	3.0	16	0.9	0.0	3.7
municipal area	935	530,424	900	96.3	92.0	100.0	9	0.8	0.0	2.0	17	2.0	0.0	10.8	9	1.0	0.0	4.3
out municipal area	908	1,630,521	866	95.3	94.7	95.8	15	1.4	1.2	1.6	20	2.4	0.0	6.4	7	0.9	0.0	5.7
male	911	1,033,956	883	97.3	89.8	100.0	6	0.4	0.0	3.5	17	1.4	0.0	3.9	5	0.9	0.0	2.7
female	932	1,126,989	883	93.9	90.7	97.1	18	2.1	0.0	5.4	20	3.1	0.0	6.6	11	1.0	0.0	4.6
15-24 years	272	403,917	271	99.5	94.2	100.0	0	0.0	0.0	0.0	1	0.5	0.0	5.8	0	0.0	0.0	0.0
25-34 years	200	301,868	191	94.1	91.5	96.7	0	0.0	0.0	0.0	8	5.5	0.6	10.5	1	0.4	0.0	2.8
35-44 years	272	399,824	261	93.4	87.9	98.9	6	2.8	0.0	8.9	2	1.3	0.0	9.2	3	2.5	0.0	10.9
45-54 years	319	425,363	303	96.1	87.0	100.0	5	0.8	0.0	2.7	7	2.1	0.7	3.5	4	1.0	0.0	6.8
55-64 years	404	375,836	383	95.0	91.9	98.0	8	2.6	1.4	3.9	9	1.9	0.0	3.9	4	0.6	0.0	2.9
65-74 years	282	189,680	273	95.7	92.1	99.4	1	0.1	0.0	0.6	5	2.7	0.0	7.4	3	1.5	0.0	9.2
75-79 years	94	64,457	84	89.3	89.2	89.4	4	4.0	0.0	8.6	5	6.5	0.0	13.9	1	0.2	0.0	2.8
never attended school	109	93,105	102	87.4	54.6	100.0	3	3.8	0.0	20.4	3	7.0	0.0	43.9	1	1.9	0.0	22.7
pratoon 1-6	917	947,903	868	94.1	93.3	95.0	15	1.6	0.7	2.5	21	2.8	0.0	9.9	13	1.4	0.0	8.6
matayoom 1-6	625	856,184	608	96.9	93.7	100.0	6	1.0	0.5	1.5	9	1.6	0.0	8.7	2	0.6	0.0	4.2
college/certificate	75	111,368	75	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
university or upper	110	141,636	106	98.2	86.7	100.0	0	0.0	0.0	0.0	4	1.8	0.0	13.3	0	0.0	0.0	0.0
no income	53	64,285	52	98.4	84.8	100.0	0	0.0	0.0	0.0	1	1.6	0.0	15.2	0	0.0	0.0	0.0
1-4,999 baht	479	479,527	453	93.2	85.0	100.0	10	2.3	0.0	5.6	12	3.0	1.3	4.7	4	1.5	0.0	14.7
5,000-9,999 baht	522	681,564	499	94.8	92.0	97.5	8	1.8	1.1	2.5	9	2.8	0.0	5.8	6	0.7	0.0	1.7
10,000 baht upper	481	586,462	463	96.6	90.4	100.0	6	0.7	0.0	3.8	9	1.8	0.0	6.8	3	0.9	0.0	5.2

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,882	2,229,929	1,080	50.0	14.9	85.1	113	7.2	0.0	15.3	59	4.0	0.0	11.4	630	38.8	19.0	58.5
municipal area	940	532,836	528	48.5	45.1	51.8	48	6.0	5.8	6.2	23	2.4	0.0	7.5	341	43.1	41.1	45.1
out municipal area	942	1,697,092	552	50.4	3.4	97.5	65	7.6	0.0	18.3	36	4.5	0.0	16.0	289	37.4	12.5	62.3
male	940	1,085,488	464	39.7	25.5	53.9	56	5.8	0.0	25.1	39	5.2	0.0	12.6	381	49.3	23.1	75.6
female	942	1,144,441	616	59.7	4.2	100.0	57	8.6	0.0	42.5	20	2.9	0.0	10.3	249	28.8	14.6	42.9
15-24 years	273	415,195	24	9.0	0.0	22.4	7	3.3	1.9	4.6	7	3.1	0.0	14.0	235	84.7	83.6	85.7
25-34 years	200	300,437	67	31.3	0.0	75.5	9	6.7	0.0	23.6	7	5.4	0.0	18.2	117	56.7	42.2	71.1
35-44 years	274	406,302	154	54.8	29.3	80.2	19	6.4	0.0	26.5	8	4.9	0.0	18.2	93	33.9	1.7	66.1
45-54 years	329	443,610	214	62.5	22.6	100.0	31	11.0	0.0	25.9	8	2.2	2.1	2.3	76	24.3	0.0	49.4
55-64 years	414	391,754	310	71.2	41.7	100.0	27	10.4	0.0	43.7	17	3.7	0.0	20.5	60	14.7	1.7	27.7
65-74 years	293	203,885	232	72.5	20.3	100.0	16	4.5	0.3	8.7	9	6.1	0.0	38.4	36	16.9	0.0	41.0
75-79 years	99	68,745	79	81.7	35.6	100.0	4	3.8	0.0	26.4	3	6.5	0.0	45.0	13	7.9	0.0	22.8
never attended school	113	97,092	91	79.0	13.7	100.0	10	14.1	0.0	69.5	3	3.1	0.0	23.0	9	3.7	0.0	13.6
pratoon 1-6	938	973,654	686	68.4	31.7	100.0	55	7.9	0.0	20.6	29	3.7	0.0	7.3	168	20.0	0.0	40.5
matayoom 1-6	630	876,963	223	31.5	24.1	38.8	39	6.6	5.4	7.7	18	4.0	0.0	14.7	350	58.0	55.8	60.2
college/certificate	83	132,631	27	27.6	4.0	51.3	2	1.5	0.0	15.3	3	2.9	0.0	33.0	51	67.9	0.4	100.0
university or upper	113	143,367	51	39.2	0.0	100.0	7	7.5	0.0	42.8	6	8.7	0.0	53.1	49	44.6	21.6	67.7
no income	55	66,156	27	39.0	0.0	100.0	2	7.1	0.0	29.9	1	0.5	0.0	5.0	25	53.5	0.0	100.0
1-4,999 baht	497	498,368	335	57.7	25.4	90.1	24	5.5	0.0	18.3	7	1.1	0.0	5.6	131	35.6	20.6	50.6
5,000-9,999 baht	526	687,888	251	40.6	2.1	79.0	35	7.5	7.3	7.6	15	3.8	0.0	15.5	225	48.1	21.4	74.8
10,000 baht upper	493	612,927	291	52.2	15.9	88.5	35	8.7	3.6	13.8	23	5.4	4.5	6.2	144	33.8	0.0	74.3

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,249	1,367,334	163	10.5	0.0	24.2	1,086	89.5	75.8	100.0
municipal area	595	300,863	76	10.6	0.0	26.6	519	89.4	73.4	100.0
out municipal area	654	1,066,471	87	10.5	0.0	23.5	567	89.5	76.5	100.0
male	562	558,956	51	6.8	0.0	19.3	511	93.2	80.7	100.0
female	687	808,379	112	13.1	0.0	29.2	575	86.9	70.8	100.0
15-24 years	41	66,715	0	0.0	0.0	0.0	41	100.0	100.0	100.0
25-34 years	84	134,307	1	0.9	0.0	11.3	83	99.1	88.7	100.0
35-44 years	181	270,905	10	6.4	0.0	17.7	171	93.6	82.3	100.0
45-54 years	248	331,996	29	8.4	0.0	30.3	219	91.6	69.7	100.0
55-64 years	351	331,127	64	17.6	0.0	47.3	287	82.4	52.7	100.0
65-74 years	258	168,970	51	21.3	14.9	27.6	207	78.7	72.4	85.1
75-79 years	86	63,315	8	5.4	0.0	35.6	78	94.6	64.4	100.0
never attended school	102	88,652	21	23.3	0.0	91.0	81	76.7	9.0	100.0
pratoon 1-6	767	776,714	118	12.8	0.0	30.1	649	87.2	69.9	100.0
matayoom 1-6	283	377,244	13	3.9	2.2	5.6	270	96.1	94.4	97.8
college/certificate	32	42,465	2	8.2	0.0	59.1	30	91.8	40.9	100.0
university or upper	63	79,566	9	7.2	5.8	8.5	54	92.8	91.5	94.2
no income	31	31,129	7	24.2	0.0	100.0	24	75.8	0.0	100.0
1-4,999 baht	364	319,446	58	13.5	5.2	21.9	306	86.5	78.1	94.8
5,000-9,999 baht	301	354,600	32	9.7	0.0	22.5	269	90.3	77.5	100.0
10,000 baht upper	343	402,665	40	9.1	0.0	29.8	303	90.9	70.2	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	165	146,991	11	7.0	0.0	32.4	17	9.3	0.0	63.2	30	16.3	0.0	99.8	57	36.5	33.5	39.5	50	30.9	0.0	89.0
municipal area	78	33,585	8	9.6	0.0	28.9	9	6.0	0.0	27.8	13	13.3	0.0	71.6	30	44.6	3.0	86.2	18	26.5	0.0	85.4
out municipal area	87	113,407	3	6.2	0.0	44.7	8	10.3	0.0	73.5	17	17.2	0.0	100.0	27	34.1	25.1	43.1	32	32.2	0.0	89.8
male	49	37,693	7	14.6	0.0	46.7	9	16.3	0.0	43.9	7	10.2	0.0	80.1	14	37.8	0.0	88.0	12	21.2	0.0	100.0
female	116	109,299	4	4.4	0.0	30.1	8	6.9	0.0	67.4	23	18.4	0.0	100.0	43	36.1	23.2	48.9	38	34.3	0.0	72.8
15-24 years	1	1,181	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	100.0	100.0	100.0	0	0.0	0.0	0.0
25-34 years	11	21,323	1	1.9	0.0	28.5	3	28.4	0.0	100.0	2	6.3	0.0	30.0	3	37.2	0.0	100.0	2	26.2	0.0	100.0
35-44 years	30	26,762	4	14.9	0.0	87.1	3	6.4	0.0	34.4	2	4.4	0.0	31.3	12	46.5	0.0	100.0	9	27.8	17.6	38.1
45-54 years	65	57,783	5	9.9	0.0	66.1	3	6.4	0.0	52.4	13	26.8	0.0	100.0	22	24.4	0.0	55.8	22	32.5	0.0	100.0
55-64 years	50	36,506	1	0.4	0.0	3.0	8	6.3	0.0	45.4	9	12.6	0.0	57.4	17	44.9	16.5	73.2	15	35.8	15.7	55.8
65-74 years	8	3,437	0	0.0	0.0	0.0	0	0.0	0.0	0.0	4	37.3	0.0	100.0	2	47.3	0.0	100.0	2	15.4	14.6	16.3
75-79 years	21	22,165	1	18.4	0.0	100.0	1	0.4	0.0	4.1	1	0.5	0.0	4.3	11	34.8	0.0	100.0	7	46.0	0.0	96.1
never attended school	121	101,103	4	3.0	0.0	23.0	14	10.2	0.0	57.6	23	17.8	0.0	100.0	42	38.7	18.8	58.6	38	30.4	0.0	100.0
pratoon 1-6	12	14,536	3	9.9	6.5	13.4	2	22.9	0.0	100.0	1	7.3	0.0	46.4	2	32.7	0.0	100.0	4	27.2	6.7	47.7
matayoom 1-6	2	3,490	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
college/certificate	9	5,698	3	30.6	0.0	100.0	0	0.0	0.0	0.0	3	23.1	0.0	100.0	2	36.1	0.0	100.0	1	10.1	0.0	100.0
university or upper	7	7,524	0	0.0	0.0	0.0	2	43.4	3.8	83.1	0	0.0	0.0	0.0	4	33.4	0.0	94.2	1	23.2	2.0	44.4
no income	58	43,709	1	0.3	0.0	2.7	4	2.1	0.0	4.6	13	24.3	0.0	100.0	22	46.7	0.8	92.6	18	26.7	0.0	100.0
1-4,999 baht	33	36,691	3	12.4	0.0	84.3	3	5.8	0.0	68.6	5	8.6	0.0	45.3	11	30.0	0.0	100.0	11	43.2	0.0	100.0
5,000-9,999 baht	40	35,536	4	11.3	0.0	24.0	4	5.7	0.0	62.8	10	26.6	0.0	80.3	14	38.4	0.0	100.0	8	18.0	0.0	100.0
10,000 baht upper	12	32,407	0	0.0	0.0	0.0	0	0.0	0.0	0.0	7	56.3	53.2	59.5	3	34.3	0.0	75.6	2	9.3	0.0	53.8

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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			
			Frequer	Percent	LowerCI	UpperCI	Frequer	Percent	LowerCI	UpperCI	Frequer	Percent	LowerCI	UpperCI	Frequer	Percent	LowerCI	UpperCI	Frequer	Percent	LowerCI	UpperCI
overall	155	135,763	59	36.0	19.0	53.0	63	42.0	38.1	45.9	12	9.5	0.0	64.2	12	5.5	0.0	59.4	9	7.1	0.0	21.0
municipal area	71	30,357	32	46.9	0.0	100.0	25	31.5	0.0	100.0	4	6.1	0.0	45.6	7	8.3	0.0	90.5	3	7.2	0.0	49.0
out municipal area	84	105,406	27	32.8	32.0	33.7	38	45.0	27.6	62.5	8	10.4	0.0	69.7	5	4.7	0.0	50.6	6	7.0	0.0	36.9
male	49	38,011	24	43.6	26.9	60.4	18	44.3	32.7	55.9	3	4.8	0.0	40.9	2	2.6	0.0	26.0	2	4.6	0.0	45.6
female	106	97,753	35	33.0	12.2	53.8	45	41.1	32.3	49.9	9	11.3	0.0	71.0	10	6.6	0.0	73.8	7	8.0	3.5	12.6
15-24 years	1	1,181	0	0.0	0.0	0.0	1	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
25-34 years	10	17,256	5	47.1	0.0	100.0	2	36.3	0.0	100.0	2	7.8	0.0	44.1	0	0.0	0.0	0.0	1	8.8	0.0	50.0
35-44 years	29	27,856	13	39.7	0.0	87.6	11	48.0	31.9	64.1	2	7.6	0.0	78.1	3	4.8	0.0	43.5	0	0.0	0.0	0.0
45-54 years	62	54,926	20	31.6	0.0	71.0	28	40.4	31.6	49.2	5	15.0	0.0	92.1	4	4.7	0.0	50.1	5	8.3	0.0	88.2
55-64 years	47	31,709	20	38.1	0.0	100.0	18	39.1	0.0	100.0	2	3.4	0.0	25.9	4	8.3	0.0	98.7	3	11.1	0.0	44.5
65-74 years	6	2,837	1	6.7	0.0	91.8	3	57.5	0.0	100.0	1	3.9	0.0	22.2	1	31.9	0.0	100.0	0	0.0	0.0	0.0
75-79 years	17	16,024	6	44.8	0.0	100.0	7	41.5	37.7	45.2	0	0.0	0.0	0.0	3	9.2	0.0	100.0	1	4.5	0.0	50.1
never attended school	115	96,016	40	33.3	0.0	74.0	51	43.3	20.4	66.2	9	8.6	0.0	55.7	9	6.2	0.0	63.3	6	8.5	0.7	16.4
pratoon 1-6	12	14,536	6	34.5	0.0	100.0	4	56.6	0.0	100.0	1	7.3	0.0	46.4	0	0.0	0.0	0.0	1	1.6	0.0	20.7
matayoom 1-6	2	3,490	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
college/certificate	9	5,698	7	81.9	45.2	100.0	1	10.1	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	8.0	0.0	69.5
university or upper	6	5,776	2	58.8	9.9	100.0	3	10.9	0.0	23.9	0	0.0	0.0	0.0	1	30.3	0.0	66.3	0	0.0	0.0	0.0
no income	57	43,588	21	36.7	0.0	100.0	22	41.2	0.0	98.1	7	12.3	0.0	54.4	6	9.3	0.0	98.7	1	0.5	0.0	5.6
1-4,999 baht	29	29,251	12	36.6	21.1	52.1	12	43.1	21.2	65.0	1	5.6	0.0	48.1	1	0.3	0.0	3.4	3	14.3	12.3	16.3
5,000-9,999 baht	39	36,630	16	30.7	0.0	63.9	15	43.0	22.1	63.8	4	16.0	0.0	75.9	1	0.8	0.0	11.7	3	9.5	0.0	46.2
10,000 baht upper	11	28,443	4	45.7	25.9	65.6	3	18.3	0.0	93.2	3	29.9	0.0	68.0	1	6.1	0.0	23.1	0	0.0	0.0	0.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	154	142,804	49	35.2	13.1	57.3	20	14.3	0.0	51.0	44	25.3	0.0	69.0	12	11.6	0.0	52.2	29	13.7	2.2	25.2
municipal area	68	30,302	25	42.0	0.0	100.0	5	6.2	0.0	30.7	16	21.2	0.0	54.1	4	7.5	0.0	42.3	18	23.0	0.0	100.0
out municipal area	86	112,502	24	33.4	0.0	99.9	15	16.4	0.0	57.2	28	26.4	0.0	72.7	8	12.6	0.0	73.9	11	11.2	0.4	22.0
male	46	36,360	12	20.0	0.0	42.3	5	14.5	7.6	21.4	14	25.1	0.0	100.0	3	20.6	0.0	100.0	12	19.7	0.0	53.5
female	108	106,444	37	40.4	14.3	66.5	15	14.2	0.0	61.2	30	25.3	20.2	30.5	9	8.5	0.0	18.0	17	11.6	0.0	37.0
15-24 years																						
25-34 years	1	1,181	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	1	100.0	100.0	100.0
35-44 years	11	21,323	5	53.8	0.0	100.0	3	14.9	0.0	71.3	1	8.2	0.0	39.5	1	21.2	0.0	100.0	1	1.9	0.0	28.5
45-54 years	27	25,047	8	21.0	0.0	71.5	0	0.0	0.0	0.0	10	49.9	0.0	100.0	2	7.8	0.0	64.2	7	21.4	0.0	88.9
55-64 years	64	57,560	19	33.7	0.0	100.0	11	22.5	0.0	59.1	16	21.1	8.6	33.6	7	14.4	0.0	96.7	11	8.4	1.5	15.3
65-74 years	44	35,161	13	37.1	0.0	100.0	6	12.2	0.0	43.8	15	24.0	0.0	100.0	2	5.0	2.0	7.9	8	21.7	13.3	30.1
75-79 years	7	2,532	4	43.3	0.0	100.0	0	0.0	0.0	0.0	2	51.0	17.7	84.2	0	0.0	0.0	0.0	1	5.8	0.0	53.9
never attended school	18	21,531	6	40.7	0.0	100.0	3	20.6	0.0	100.0	4	19.4	0.0	83.9	1	3.3	0.0	32.8	4	16.0	0.0	100.0
pratoon 1-6	113	97,549	39	37.1	25.7	48.5	12	13.0	0.0	32.7	36	29.0	0.0	78.5	9	8.3	0.0	17.9	17	12.7	0.0	44.3
matayoom 1-6	12	14,536	3	25.0	0.0	100.0	2	12.9	0.0	41.4	1	17.3	0.0	100.0	1	31.0	0.0	100.0	5	13.8	10.0	17.5
college/certificate	2	3,490	0	0.0	0.0	0.0	1	7.9	7.9	7.9	0	0.0	0.0	0.0	1	92.1	92.1	92.1	0	0.0	0.0	0.0
university or upper	9	5,698	1	29.2	0.0	100.0	2	19.6	0.0	100.0	3	20.5	0.0	99.5	0	0.0	0.0	0.0	3	30.6	0.0	100.0
no income	7	7,524	3	86.4	7.5	100.0	2	4.9	0.4	9.4	2	8.7	0.0	92.1	0	0.0	0.0	0.0	0	0.0	0.0	0.0
1-4,999 baht	53	42,034	14	29.0	27.7	30.2	5	10.5	0.0	25.5	21	39.1	26.5	51.7	3	4.6	0.0	50.6	10	16.9	0.0	66.6
5,000-9,999 baht	31	35,962	11	42.8	0.0	100.0	3	18.1	0.0	100.0	10	28.2	0.0	100.0	1	2.9	0.0	21.0	6	8.0	0.0	82.7
10,000 baht upper	37	33,975	13	26.2	0.0	52.7	6	14.5	0.0	35.0	6	8.1	0.0	97.8	5	35.0	0.0	100.0	7	16.2	12.3	20.1

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	158	142,294	90	54.2	0.0	100.0	34	24.8	0.0	89.6	4	2.7	0.0	16.7	30	18.3	3.3	33.3
municipal area	75	32,913	41	56.5	48.8	64.3	14	18.0	0.0	100.0	2	2.2	0.0	9.5	18	23.3	0.0	100.0
out municipal area	83	109,380	49	53.5	0.0	100.0	20	26.9	0.0	83.1	2	2.8	0.0	23.3	12	16.8	12.8	20.8
male	47	34,105	25	33.1	0.0	100.0	8	32.5	0.0	100.0	0	0.0	0.0	0.0	14	34.5	32.6	36.3
female	111	108,188	65	60.9	1.2	100.0	26	22.4	0.0	82.7	4	3.5	0.0	21.7	16	13.2	0.0	32.1
15-24 years	1	1,181	0	0.0	0.0	0.0	1	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
25-34 years	11	21,323	5	53.8	0.0	100.0	4	35.7	0.0	100.0	0	0.0	0.0	0.0	2	10.6	4.5	16.6
35-44 years	31	29,278	19	50.8	0.0	100.0	6	30.8	0.0	100.0	0	0.0	0.0	0.0	6	18.5	0.0	51.1
45-54 years	62	53,863	35	52.4	0.0	100.0	11	19.0	0.0	100.0	2	2.0	0.0	17.8	14	26.6	0.0	62.9
55-64 years	46	34,116	29	65.4	55.1	75.8	10	18.3	0.0	79.8	2	7.9	0.0	38.8	5	8.3	0.0	28.7
65-74 years	7	2,532	2	11.9	0.0	42.9	2	40.4	0.0	100.0	0	0.0	0.0	0.0	3	47.7	0.0	100.0
75-79 years	21	24,585	8	37.6	0.0	100.0	5	16.2	0.0	69.5	1	1.8	0.0	18.7	7	44.4	4.6	84.1
never attended school	114	93,985	72	63.3	0.0	100.0	24	21.0	0.0	53.8	3	3.6	0.0	30.9	15	12.1	0.0	27.0
pratoon 1-6	12	14,536	5	32.2	0.0	100.0	3	55.6	0.0	100.0	0	0.0	0.0	0.0	4	12.2	0.0	27.6
matayoom 1-6	2	3,490	0	0.0	0.0	0.0	2	100.0	100.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0
college/certificate	9	5,698	5	65.9	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	4	34.1	0.0	100.0
university or upper	7	7,524	5	71.5	6.2	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	2	28.5	0.0	93.8
no income	57	43,137	37	70.6	0.0	100.0	12	15.3	0.0	60.2	3	8.1	0.0	52.0	5	6.0	0.0	19.9
1-4,999 baht	31	35,225	17	53.0	38.3	67.7	9	28.7	11.4	45.9	0	0.0	0.0	0.0	5	18.4	15.8	20.9
5,000-9,999 baht	38	35,589	22	46.2	0.0	95.9	7	37.0	0.0	100.0	1	0.8	0.0	3.1	8	16.0	0.0	42.1
10,000 baht upper	12	32,407	4	57.0	0.0	100.0	4	27.5	27.3	27.7	0	0.0	0.0	0.0	4	15.5	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,526.0	1,932,839	161	9.8	9.2	10.4	116	7.0	4.8	9.1	665	47.2	5.6	88.8	190	12.1	0.0	25.3	394	24.0	0.0	50.8
municipal area	754	450,870	77	9.0	2.7	15.4	60	7.6	0.0	17.9	338	48.5	26.2	70.8	85	12.9	0.0	29.5	194	22.0	0.0	56.8
out municipal area	772	1,481,969	84	10.0	9.0	11.1	56	6.8	6.5	7.0	327	46.8	0.0	94.1	105	11.9	0.0	34.2	200	24.6	0.3	48.9
male	847	1,015,512	83	8.1	0.0	18.2	66	7.3	2.2	12.5	370	50.4	9.5	91.3	111	12.5	4.2	20.7	217	21.8	0.0	49.5
female	679	917,327	78	11.7	0.0	23.6	50	6.5	0.0	16.6	295	43.6	0.1	87.2	79	11.8	0.0	30.3	177	26.4	0.0	53.2
15-24 years	273	408,296	33	9.4	0.0	37.6	27	6.8	0.0	19.8	140	53.6	0.0	100.0	39	12.3	0.0	60.0	34	18.0	13.5	22.5
25-34 years	196	297,301	15	5.5	0.0	29.0	19	9.1	0.0	26.3	103	54.4	0.0	100.0	22	11.7	0.0	34.0	37	19.4	0.0	79.6
35-44 years	271	401,121	26	11.0	0.0	35.3	13	3.2	1.0	5.4	144	52.6	17.6	87.5	30	11.1	0.0	40.2	58	22.1	5.9	38.3
45-54 years	294	411,202	24	8.7	0.0	19.7	26	9.5	0.0	19.6	124	43.3	0.0	87.3	32	9.8	0.0	19.9	88	28.7	0.0	63.5
55-64 years	303	286,133	28	7.0	5.7	8.3	19	7.2	6.3	8.1	102	37.9	15.2	60.5	42	15.6	7.3	23.9	112	32.3	0.9	63.7
65-74 years	160	110,529	32	27.4	0.0	76.6	12	6.7	0.0	14.4	44	27.6	19.8	35.3	19	14.3	0.0	60.4	53	24.0	5.4	42.6
75-79 years	29	18,257	3	24.1	0.0	100.0	0	0.0	0.0	0.0	8	19.1	6.7	31.6	6	22.8	0.0	100.0	12	34.0	0.0	75.5
never attended school	33	41,917	7	34.6	0.0	100.0	3	19.2	0.0	100.0	8	16.1	0.0	100.0	3	5.0	0.0	31.6	12	25.1	24.4	25.8
pratoon 1-6	688	763,147	76	10.6	0.0	23.5	48	6.9	3.8	10.0	268	42.0	0.0	99.5	89	13.8	6.0	21.7	207	26.7	0.0	86.1
matayoom 1-6	611	852,062	61	9.0	0.0	25.0	54	7.8	7.8	7.8	288	50.5	0.0	100.0	76	10.8	0.0	48.8	132	21.9	20.8	23.0
college/certificate	82	131,500	4	2.5	0.0	16.0	3	1.2	0.0	3.1	53	63.8	39.3	88.4	6	10.6	0.0	31.0	16	21.8	2.3	41.4
university or upper	109	140,861	13	10.0	1.9	18.2	8	3.9	0.0	39.1	47	49.5	49.3	49.7	16	14.7	0.0	100.0	25	21.9	0.0	89.5
no income	47	58,055	5	16.5	0.0	54.3	1	0.6	0.0	5.4	19	44.4	0.0	100.0	7	15.2	0.0	78.8	15	23.3	0.0	100.0
1-4,999 baht	306	351,316	58	17.6	0.0	37.7	29	8.1	4.4	11.8	96	33.9	0.0	81.1	42	15.4	0.0	49.6	81	25.1	0.0	54.5
5,000-9,999 baht	480	645,916	37	5.6	0.0	13.1	23	4.4	3.5	5.3	242	56.0	5.6	100.0	63	11.5	0.0	26.4	115	22.5	0.0	51.5
10,000 baht upper	448	584,153	39	8.7	5.3	12.1	40	8.0	0.0	31.0	203	49.7	0.0	100.0	50	11.2	7.6	14.7	116	22.4	0.0	50.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,658	2,013,648	455	26.1	9.0	43.1	109	6.8	5.5	8.1	662	43.7	20.2	67.3	121	6.3	0.0	19.2	311	17.2	0.0	43.5
municipal area	818	472,694	225	29.6	0.0	94.9	45	5.3	0.0	12.5	341	43.8	26.6	61.0	66	8.3	6.9	9.7	141	13.1	0.0	52.7
out municipal area	840	1,540,954	230	25.0	23.1	26.8	64	7.2	6.6	7.9	321	43.7	7.7	79.7	55	5.6	0.0	22.4	170	18.4	0.0	40.2
male	803	964,594	194	22.5	11.1	34.0	50	6.0	0.0	12.4	362	51.5	5.8	97.2	58	5.1	0.0	21.5	139	14.9	3.5	26.4
female	855	1,049,055	261	29.3	0.0	72.4	59	7.5	4.2	10.9	300	36.5	32.8	40.3	63	7.4	0.0	17.2	172	19.3	0.0	59.5
15-24 years	267	401,982	93	28.5	0.0	76.5	16	7.2	0.0	14.7	118	47.7	0.0	100.0	16	4.5	0.0	22.0	24	12.2	1.1	23.2
25-34 years	191	282,891	54	25.9	3.0	48.8	10	5.5	0.0	17.5	92	49.6	12.3	87.0	9	5.0	0.0	18.4	26	13.9	0.9	26.9
35-44 years	250	367,932	55	20.0	0.0	49.8	16	5.8	0.0	11.7	129	55.1	30.6	79.5	20	7.8	0.0	16.1	30	11.3	3.7	19.0
45-54 years	286	397,763	63	22.0	0.0	50.7	21	9.3	0.0	19.0	112	40.2	6.9	73.5	21	5.4	1.4	9.5	69	23.1	0.0	71.2
55-64 years	350	346,326	86	26.5	0.0	100.0	23	6.0	0.0	16.2	121	36.9	28.0	45.7	30	7.8	0.0	27.5	90	22.8	0.0	79.0
65-74 years	235	162,032	73	37.0	0.0	82.8	14	5.1	0.0	15.6	67	25.9	0.0	70.9	19	7.8	0.0	51.2	62	24.2	0.0	82.0
75-79 years	79	54,721	31	43.8	0.0	100.0	9	8.6	0.0	48.2	23	29.9	22.8	37.0	6	6.8	0.0	55.0	10	11.0	0.0	52.5
never attended school	93	77,784	25	35.0	0.0	83.6	9	9.6	0.0	57.5	27	21.2	0.0	44.4	9	11.9	3.5	20.4	23	22.3	0.0	100.0
pratoon 1-6	806	856,664	234	29.6	0.0	100.0	57	8.2	7.5	8.8	281	36.6	28.6	44.7	61	6.1	0.0	26.8	173	19.4	0.0	80.1
matayoom 1-6	577	813,357	158	24.3	0.0	52.9	34	6.5	5.5	7.4	258	49.3	5.5	93.1	43	6.4	0.0	17.4	84	13.6	8.5	18.8
college/certificate	79	127,492	17	16.8	0.0	47.8	3	1.1	0.0	3.4	45	59.3	29.0	89.6	3	6.2	4.7	7.8	11	16.5	0.0	78.5
university or upper	97	128,801	17	14.0	0.0	65.1	6	4.0	0.0	39.9	51	57.2	0.0	100.0	5	3.5	3.0	4.1	18	21.3	0.0	45.8
no income	51	61,581	17	38.8	0.0	100.0	2	3.1	0.0	7.3	16	37.3	17.5	57.1	2	2.1	0.0	20.3	14	18.8	0.0	100.0
1-4,999 baht	427	432,959	157	36.3	0.0	100.0	29	6.5	0.0	13.9	123	30.3	23.3	37.4	33	7.9	0.0	41.0	85	19.0	0.0	49.7
5,000-9,999 baht	472	630,090	94	17.8	2.6	33.1	27	6.5	1.7	11.3	243	55.1	32.5	77.8	35	7.4	6.5	8.3	73	13.1	0.0	26.2
10,000 baht upper	441	557,294	94	21.5	0.0	55.7	33	7.3	0.0	28.0	193	48.8	9.9	87.6	31	3.9	0.0	19.6	90	18.6	0.0	55.4

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	839	1,103,691	61	4.7	0.0	16.4	56	7.2	6.7	7.8	262	34.0	0.0	69.2	62	7.2	4.3	10.2	398	46.8	26.7	66.9
municipal area	406	240,485	31	7.3	4.2	10.5	28	6.7	4.0	9.3	133	34.2	29.2	39.1	27	7.5	0.0	15.3	187	44.4	41.0	47.7
out municipal area	433	863,206	30	4.0	0.0	19.7	28	7.4	7.4	7.4	129	34.0	0.0	80.4	35	7.2	1.3	13.1	211	47.5	22.7	72.3
male	589	734,126	36	4.0	0.0	17.0	41	7.7	2.5	12.8	203	38.5	3.9	73.0	41	7.6	4.1	11.1	268	42.2	22.4	62.0
female	250	369,565	25	6.1	0.0	15.1	15	6.4	0.0	15.0	59	25.1	0.0	61.8	21	6.5	0.0	22.1	130	55.9	35.2	76.5
15-24 years	93	160,071	17	12.7	0.0	76.9	9	5.6	0.0	22.2	25	28.6	0.0	69.2	7	4.4	0.0	11.6	35	48.7	1.3	96.0
25-34 years	129	193,394	6	1.2	0.0	6.5	12	9.0	0.0	23.4	47	37.8	0.0	94.2	14	7.4	0.0	49.4	50	44.6	39.3	49.9
35-44 years	167	263,642	5	3.3	0.0	20.1	8	6.7	0.0	32.9	64	38.5	14.2	62.7	15	8.3	0.0	19.0	75	43.2	13.8	72.7
45-54 years	172	238,797	6	1.2	0.0	2.9	14	9.6	7.4	11.8	57	33.3	0.0	90.7	12	8.7	1.9	15.5	83	47.2	0.0	100.0
55-64 years	160	166,188	14	6.7	0.0	32.3	10	6.9	0.0	20.6	38	30.3	0.0	82.8	6	6.6	0.0	25.3	92	49.5	17.7	81.2
65-74 years	97	70,320	9	6.0	0.0	16.4	3	2.3	0.3	4.3	29	33.8	0.0	72.3	4	3.5	0.0	33.2	52	54.3	53.9	54.7
75-79 years	21	11,278	4	21.0	0.0	97.1	0				2	11.2	0.0	33.8	4	22.3	0.0	100.0	11	45.5	0.0	100.0
never attended school	15	14,621	3	14.6	0.0	67.1	1	27.8	0.0	100.0	3	6.0	0.0	52.9	2	23.6	0.0	100.0	6	27.9	0.0	100.0
pratoon 1-6	337	369,710	27	4.4	0.0	14.2	20	8.3	7.0	9.7	91	27.1	17.8	36.4	21	7.1	3.3	10.9	178	53.0	39.1	66.9
matayoom 1-6	336	504,547	27	4.9	0.0	28.8	20	6.9	5.5	8.2	123	38.7	0.0	79.3	25	7.3	6.7	7.9	141	42.3	23.5	61.0
college/certificate	64	100,417	2	3.9	0.0	18.9	8	5.6	0.0	42.5	22	43.1	0.0	100.0	3	2.3	0.0	22.8	29	45.0	42.7	47.3
university or upper	86	113,966	2	4.4	0.0	33.4	7	4.3	3.8	4.8	23	31.1	0.0	100.0	11	9.8	0.0	22.4	43	50.4	0.0	100.0
no income	19	20,475	3	15.6	0.0	71.1	0	0.0	0.0	0.0	3	8.1	2.3	13.9	0	0.0	0.0	0.0	13	76.3	15.0	100.0
1-4,999 baht	134	144,888	20	13.6	12.8	14.3	6	6.9	0.0	27.8	23	16.5	0.0	43.8	13	11.7	0.0	28.0	72	51.3	40.6	61.9
5,000-9,999 baht	264	368,606	16	3.2	0.0	19.9	21	8.9	0.0	21.7	108	43.8	14.8	72.8	13	4.4	0.0	15.4	106	39.6	25.4	53.8
10,000 baht upper	327	445,319	8	0.8	0.7	0.9	25	6.8	0.0	35.7	112	38.0	0.1	76.0	26	7.5	2.1	12.9	156	46.9	43.1	50.7

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,600	1,934,754	144	7.4	0.0	32.7	113	7.7	6.4	9.0	530	36.3	10.3	62.4	101	6.1	0.0	15.3	712	42.5	31.2	53.7
municipal area	812	472,311	80	9.0	1.8	16.2	57	5.8	0.0	18.0	277	37.9	31.9	44.0	53	6.9	0.0	21.1	345	40.3	37.2	43.5
out municipal area	788	1,462,443	64	6.9	0.0	42.8	56	8.3	2.5	14.1	253	35.8	0.0	72.0	48	5.8	0.0	13.4	367	43.2	29.6	56.8
male	814	960,769	69	7.3	1.0	13.6	65	8.4	3.8	13.0	301	42.5	14.3	70.7	49	5.2	2.7	7.8	330	36.6	16.7	56.4
female	786	973,985	75	7.5	0.0	51.5	48	7.0	0.0	14.2	229	30.2	4.9	55.6	52	6.9	0.0	22.5	382	48.3	44.2	52.5
15-24 years	256	386,467	41	13.6	0.0	71.8	23	5.6	0.0	16.8	116	48.3	0.0	100.0	11	3.5	0.0	17.4	65	29.0	19.0	39.0
25-34 years	182	268,222	14	5.9	0.0	15.0	16	10.1	8.9	11.3	81	43.3	33.0	53.6	13	5.9	3.2	8.5	58	34.8	11.6	58.0
35-44 years	249	381,855	10	4.5	0.8	8.2	21	10.4	0.0	27.4	99	37.0	26.1	47.9	14	5.5	0.0	16.3	105	42.6	22.1	63.1
45-54 years	285	380,979	20	5.5	0.0	40.1	17	6.9	4.7	9.0	86	30.4	3.7	57.0	15	7.0	0.0	15.9	147	50.3	49.1	51.4
55-64 years	331	313,403	16	4.9	0.0	19.3	21	8.9	1.3	16.6	77	26.6	0.0	55.4	29	9.5	0.0	26.8	188	50.1	10.6	89.6
65-74 years	225	157,046	30	9.5	0.0	41.4	11	3.3	0.0	17.9	56	29.4	0.0	67.1	11	3.8	1.7	5.8	117	54.1	43.1	65.0
75-79 years	72	46,782	13	13.7	0.0	58.7	4	2.1	0.5	3.8	15	28.7	0.0	100.0	8	12.0	4.8	19.3	32	43.4	8.4	78.5
never attended school	84	70,045	8	8.5	0.0	26.8	5	17.7	0.0	100.0	24	25.1	3.8	46.5	4	2.7	0.0	10.7	43	46.0	0.0	100.0
pratoon 1-6	747	793,881	72	6.8	0.0	37.7	45	6.5	5.4	7.6	187	26.5	18.2	34.8	52	6.7	0.4	13.0	391	53.5	36.0	71.0
matayoom 1-6	581	808,871	54	8.8	0.0	34.8	46	8.1	1.6	14.5	244	44.3	10.3	78.2	34	6.1	0.0	20.9	203	32.7	16.4	49.1
college/certificate	78	121,258	1	0.9	0.0	13.2	11	9.8	0.0	24.9	34	50.0	34.9	65.0	4	4.9	1.8	7.9	28	34.5	19.1	49.9
university or upper	105	135,016	7	6.2	2.5	9.9	6	5.9	0.0	20.6	41	41.6	0.0	100.0	5	3.4	0.0	9.6	46	42.9	0.0	100.0
no income	41	48,395	2	4.8	0.0	40.8	0	0.0	0.0	0.0	14	25.8	0.0	54.1	0	0.0	0.0	0.0	25	69.4	61.7	77.2
1-4,999 baht	379	380,332	55	12.6	4.4	20.7	22	6.6	1.4	11.8	94	28.9	0.0	64.4	28	7.5	1.7	13.3	180	44.4	6.0	82.8
5,000-9,999 baht	475	634,236	34	4.6	0.0	32.4	30	7.9	0.0	18.9	210	46.9	21.7	72.0	28	5.5	0.0	13.2	173	35.1	19.1	51.2
10,000 baht upper	458	579,984	27	4.9	0.0	23.2	39	8.2	0.0	33.9	154	36.8	0.2	73.4	28	5.2	0.7	9.6	210	45.0	42.0	47.9

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,304	1,632,440	782	59.4	27.4	91.4	522	40.6	8.6	72.6
municipal area	625	358,634	400	65.1	37.3	93.0	225	34.9	7.0	62.7
out municipal area	679	1,273,805	382	57.8	25.0	90.5	297	42.2	9.5	75.0
male	719	843,772	430	62.3	1.9	100.0	289	37.7	0.0	98.1
female	585	788,668	352	56.2	53.3	59.2	233	43.8	40.8	46.7
15-24 years	76	118,484	34	46.1	0.0	100.0	42	53.9	0.0	100.0
25-34 years	178	274,997	108	59.5	32.2	86.8	70	40.5	13.2	67.8
35-44 years	259	388,075	158	60.8	37.0	84.6	101	39.2	15.4	63.0
45-54 years	304	422,676	189	63.0	15.4	100.0	115	37.0	0.0	84.6
55-64 years	328	320,203	197	57.7	37.7	77.7	131	42.3	22.3	62.3
65-74 years	135	94,312	81	60.6	0.0	100.0	54	39.4	0.0	100.0
75-79 years	24	13,691	15	49.2	0.0	100.0	9	50.8	0.0	100.0
never attended school	62	57,980	33	45.3	0.0	100.0	29	54.7	0.0	100.0
pratoon 1-6	664	757,117	413	62.7	27.7	97.7	251	37.3	2.3	72.3
matayoom 1-6	435	638,396	266	59.1	49.8	68.5	169	40.9	31.5	50.2
college/certificate	61	85,001	34	62.1	47.1	77.1	27	37.9	22.9	52.9
university or upper	78	87,119	36	43.9	0.0	100.0	42	56.1	0.0	100.0
no income	3	2,439	0	0.0	0.0	0.0	3	100.0	100.0	100.0
1-4,999 baht	221	244,241	131	56.9	48.6	65.2	90	43.1	34.8	51.4
5,000-9,999 baht	423	553,141	276	67.2	34.7	99.7	147	32.8	0.3	65.3
10,000 baht upper	455	585,449	289	64.4	17.8	100.0	166	35.6	0.0	82.2

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	647	734,434	241	41.6	19.5	63.7	106	16.4	8.6	24.3	120	16.3	8.9	23.6	180	25.7	3.1	48.2
municipal area	315	173,426	98	33.0	0.0	68.0	57	16.3	3.2	29.4	62	20.3	3.9	36.7	98	30.4	0.0	62.1
out municipal area	332	561,008	143	44.3	7.5	81.2	49	16.5	2.3	30.7	58	15.0	1.7	28.3	82	24.2	0.0	62.0
female	647	734,434	241	41.6	19.5	63.7	106	16.4	8.6	24.3	120	16.3	8.9	23.6	180	25.7	3.1	48.2
35-44 years	135	202,525	61	43.4	34.0	52.8	27	19.6	0.0	70.1	24	15.5	1.7	29.3	23	21.5	0.0	95.2
45-54 years	151	220,226	78	53.3	29.1	77.5	29	23.6	19.2	28.0	14	8.7	0.0	21.3	30	14.4	0.0	30.5
55-64 years	184	182,819	79	46.4	10.8	82.1	27	10.4	0.0	34.2	38	19.0	2.7	35.2	40	24.2	0.0	52.3
65-74 years	133	93,292	20	14.9	0.0	47.3	22	10.8	0.0	23.8	36	29.4	0.0	100.0	55	45.0	0.0	100.0
75-79 years	44	35,572	3	5.2	5.1	5.4	1	0.5	0.0	2.8	8	19.0	0.0	64.9	32	75.3	27.2	100.0
never attended school	70	58,004	16	29.9	0.0	66.5	13	16.6	0.4	32.7	11	11.6	0.0	50.4	30	41.9	23.6	60.2
pratoon 1-6	437	469,462	167	43.2	28.4	58.0	69	15.6	0.0	31.9	84	17.3	11.4	23.2	117	23.8	16.5	31.2
matayoom 1-6	106	154,692	45	41.3	0.0	89.3	20	18.9	0.0	80.3	22	17.2	0.0	39.8	19	22.6	0.0	100.0
college/certificate	12	14,610	6	42.5	0.0	100.0	0	0.0	0.0	0.0	1	23.9	0.0	100.0	5	33.6	0.0	100.0
university or upper	19	30,875	7	50.6	0.0	100.0	4	27.5	0.0	100.0	2	4.2	0.0	36.5	6	17.7	0.0	74.3
no income	18	19,486	6	38.6	0.0	100.0	3	21.8	0.0	100.0	3	7.2	0.0	38.2	6	32.4	0.0	100.0
1-4,999 baht	227	197,878	65	30.8	0.0	100.0	38	16.0	0.0	65.8	43	19.4	0.0	80.2	81	33.9	31.0	36.7
5,000-9,999 baht	157	204,647	66	47.3	18.2	76.5	21	12.0	0.0	26.7	35	17.2	0.0	41.5	35	23.4	0.0	62.1
10,000 baht upper	133	169,666	50	40.2	34.8	45.7	29	23.6	0.0	100.0	23	13.9	3.9	23.9	31	22.3	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	647	734,434	392	64.6	39.6	89.7	75	9.7	7.3	12.2	180	25.7	3.1	48.2
municipal area	315	173,426	179	59.2	19.2	99.2	38	10.4	2.1	18.6	98	30.4	0.0	62.1
out municipal area	332	561,008	213	66.3	23.0	100.0	37	9.5	4.0	15.0	82	24.2	0.0	62.0
female	647	734,434	392	64.6	39.6	89.7	75	9.7	7.3	12.2	180	25.7	3.1	48.2
35-44 years	135	202,525	98	71.7	37.2	100.0	14	6.8	0.0	46.1	23	21.5	0.0	95.2
45-54 years	151	220,226	115	80.5	37.7	100.0	6	5.1	0.0	31.8	30	14.4	0.0	30.5
55-64 years	184	182,819	124	65.2	51.1	79.3	20	10.6	0.0	24.6	40	24.2	0.0	52.3
65-74 years	133	93,292	48	28.6	10.0	47.1	30	26.4	0.0	100.0	55	45.0	0.0	100.0
75-79 years	44	35,572	7	18.1	0.0	37.6	5	6.7	0.0	35.3	32	75.3	27.2	100.0
never attended school	70	58,004	34	51.0	35.1	66.9	6	7.1	0.0	41.3	30	41.9	23.6	60.2
pratoon 1-6	437	469,462	264	64.6	60.7	68.5	56	11.6	0.3	22.8	117	23.8	16.5	31.2
matayoom 1-6	106	154,692	76	71.4	0.0	100.0	11	6.0	0.0	21.4	19	22.6	0.0	100.0
college/certificate	12	14,610	6	42.5	0.0	100.0	1	23.9	0.0	100.0	5	33.6	0.0	100.0
university or upper	19	30,875	12	81.7	30.1	100.0	1	0.6	0.0	5.7	6	17.7	0.0	74.3
no income	18	19,486	10	65.7	0.0	100.0	2	1.9	0.0	18.0	6	32.4	0.0	100.0
1-4,999 baht	227	197,878	114	51.9	15.7	88.1	32	14.2	0.0	53.3	81	33.9	31.0	36.7
5,000-9,999 baht	157	204,647	106	67.2	36.8	97.7	16	9.3	1.1	17.5	35	23.4	0.0	62.1
10,000 baht upper	133	169,666	88	70.7	0.0	100.0	14	7.0	6.1	7.9	31	22.3	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	681	779,469	168	26.3	0.0	57.3	53	10.8	0.0	27.6	91	12.7	7.0	18.4	369	50.2	41.7	58.6
municipal area	334	186,941	69	19.8	2.1	37.6	20	6.2	0.0	14.2	46	12.8	0.0	51.4	199	61.2	48.4	74.0
out municipal area	347	592,528	99	28.4	0.0	72.2	33	12.3	0.0	33.7	45	12.7	0.0	32.3	170	46.7	44.0	49.4
female	681	779,469	168	26.3	0.0	57.3	53	10.8	0.0	27.6	91	12.7	7.0	18.4	369	50.2	41.7	58.6
35-44 years	144	221,415	35	26.6	0.0	100.0	15	16.3	0.0	52.8	19	11.7	0.0	29.6	75	45.5	17.9	73.1
45-54 years	157	222,599	52	34.6	23.3	46.0	15	13.9	0.0	39.5	15	9.8	2.1	17.5	75	41.7	12.4	71.0
55-64 years	195	196,745	52	25.8	0.0	63.7	16	6.7	0.0	23.0	32	18.1	0.0	41.2	95	49.4	18.3	80.6
65-74 years	139	100,173	24	14.4	2.1	26.8	7	4.1	0.0	22.9	19	11.9	0.0	51.5	89	69.6	36.4	100.0
75-79 years	46	38,537	5	10.8	0.0	27.3	0	0.0	0.0	0.0	6	10.4	0.0	57.6	35	78.9	15.1	100.0
never attended school	76	66,616	13	16.8	0.0	51.1	6	8.6	3.7	13.5	10	14.4	0.0	37.0	47	60.2	53.4	67.0
pratoon 1-6	458	497,888	112	25.2	3.4	47.1	38	12.3	0.0	37.6	62	12.8	8.6	16.9	246	49.7	42.2	57.3
matayoom 1-6	106	156,819	32	33.4	0.0	100.0	7	9.2	0.0	24.2	13	9.4	2.9	15.9	54	48.0	0.0	100.0
college/certificate	16	17,826	7	43.7	0.0	100.0	0	0.0	0.0	0.0	0	0.0	0.0	0.0	9	56.3	0.0	100.0
university or upper	22	33,531	4	24.9	0.0	100.0	2	8.7	0.0	77.9	6	33.4	0.0	100.0	10	33.0	0.0	100.0
no income	20	20,908	6	29.8	0.0	100.0	2	19.8	0.0	100.0	4	8.9	0.0	23.5	8	41.5	28.5	54.4
1-4,999 baht	239	219,375	56	24.7	0.0	78.7	16	8.2	4.3	12.0	34	12.1	0.0	41.5	133	55.1	26.6	83.6
5,000-9,999 baht	168	219,874	48	30.2	0.1	60.4	14	12.8	0.0	37.8	17	8.6	0.0	28.3	89	48.3	23.5	73.1
10,000 baht upper	140	175,937	33	25.7	25.0	26.5	14	13.8	1.3	26.4	24	15.9	0.0	32.7	69	44.5	41.1	48.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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, strerilization? (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	445	662,885	154	36.4	21.7	51.0	20	4.6	0.0	11.3	73	14.3	6.8	21.8	198	44.7	44.3	45.1
municipal area	220	165,032	64	25.2	0.0	58.8	10	5.1	0.0	13.3	46	24.0	0.0	76.6	100	45.7	18.6	72.9
out municipal area	225	497,854	90	40.1	35.4	44.8	10	4.4	0.0	10.5	27	11.1	0.5	21.7	98	44.4	35.2	53.6
female	445	662,885	154	36.4	21.7	51.0	20	4.6	0.0	11.3	73	14.3	6.8	21.8	198	44.7	44.3	45.1
15-24 years	136	186,134	20	19.7	0.0	56.7	2	0.6	0.0	1.2	3	1.0	0.0	6.5	111	78.8	35.6	100.0
25-34 years	99	157,197	51	53.9	23.2	84.5	5	4.2	0.0	12.0	18	18.6	0.0	51.9	25	23.3	0.0	79.5
35-44 years	144	221,240	56	38.2	2.9	73.6	11	8.0	7.1	9.0	32	18.0	0.0	44.7	45	35.7	28.0	43.5
45-49 years	66	98,315	27	35.9	0.0	98.6	2	4.9	0.0	33.2	20	24.5	0.0	50.6	17	34.7	26.4	42.9
never attended school	9	11,935	3	16.8	0.0	100.0	0	0.0	0.0	0.0	3	29.2	0.0	100.0	3	54.0	0.0	100.0
pratoon 1-6	126	204,088	58	39.9	0.0	100.0	5	4.3	0.0	9.0	30	22.7	0.0	72.4	33	33.2	0.0	84.3
matayoom 1-6	236	332,834	81	41.3	5.3	77.3	13	6.1	0.0	22.8	32	11.6	8.5	14.7	110	41.1	0.0	96.9
college/certificate	26	37,107	3	20.6	0.0	55.4	0	0.0	0.0	0.0	6	11.9	0.0	47.2	17	67.4	0.0	100.0
university or upper	48	76,921	9	16.6	0.0	55.7	2	1.8	0.0	10.7	2	2.9	0.0	39.8	35	78.6	67.6	89.6
no income	25	32,697	8	49.7	0.0	100.0	2	6.6	0.0	15.5	2	5.8	0.0	45.5	13	37.9	0.0	100.0
1-4,999 baht	92	121,142	25	29.9	0.0	66.8	3	2.6	0.0	27.9	11	10.0	0.0	41.0	53	57.5	38.2	76.8
5,000-9,999 baht	151	252,888	52	31.5	15.2	47.9	6	5.0	0.0	10.4	31	19.2	0.0	46.3	62	44.3	6.1	82.4
10,000 baht upper	106	151,032	40	42.7	24.4	61.0	5	3.8	0.0	14.2	23	14.7	0.0	46.7	38	38.9	14.7	63.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,809	2,161,735	1,442	81.6	73.6	89.5	367	18.4	10.5	26.4
municipal area	899	509,759	693	77.7	73.3	82.0	206	22.3	18.0	26.7
out municipal area	910	1,651,976	749	82.8	70.7	94.9	161	17.2	5.1	29.3
male	913	1,059,412	747	85.1	67.5	100.0	166	14.9	0.0	32.5
female	896	1,102,323	695	78.1	77.9	78.3	201	21.9	21.7	22.1
15-39 years	583	908,541	470	82.1	67.3	96.9	113	17.9	3.1	32.7
40-59 years	625	831,298	512	83.3	70.8	95.8	113	16.7	4.2	29.2
60-79 years	601	421,897	460	77.2	60.4	93.9	141	22.8	6.1	39.6
never attended school	105	92,160	91	76.2	0.0	100.0	14	23.8	0.0	100.0
pratoon 1-6	907	949,144	744	85.6	81.3	89.8	163	14.4	10.2	18.7
matayoom 1-6	598	842,951	484	82.3	54.4	100.0	114	17.7	0.0	45.6
college/certificate	86	134,500	59	73.1	44.9	100.0	27	26.9	0.0	55.1
university or upper	106	130,492	60	62.1	34.9	89.3	46	37.9	10.7	65.1
no income	52	57,626	34	69.3	3.6	100.0	18	30.7	0.0	96.4
1-4,999 baht	459	469,778	373	83.3	57.0	100.0	86	16.7	0.0	43.0
5,000-9,999 baht	516	682,815	438	84.6	73.8	95.4	78	15.4	4.6	26.2
10,000 baht upper	485	609,725	350	75.8	40.7	100.0	135	24.2	0.0	59.3

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,808	2,160,288	140	8.5	7.3	9.8	1,668	91.5	90.2	92.7
municipal area	897	508,554	82	9.9	3.4	16.3	815	90.1	83.7	96.6
out municipal area	911	1,651,734	58	8.1	4.4	11.9	853	91.9	88.1	95.6
male	912	1,058,273	65	6.8	0.0	14.0	847	93.2	86.0	100.0
female	896	1,102,015	75	10.2	6.5	13.8	821	89.8	86.2	93.5
15-39 years	581	906,311	82	13.0	12.2	13.8	499	87.0	86.2	87.8
40-59 years	625	831,298	40	6.6	0.7	12.5	585	93.4	87.5	99.3
60-79 years	602	422,679	18	2.8	2.0	3.5	584	97.2	96.5	98.0
never attended school	105	92,160	2	4.6	0.0	28.4	103	95.4	71.6	100.0
pratoon 1-6	908	949,926	32	3.5	2.4	4.5	876	96.5	95.5	97.6
matayoom 1-6	597	843,555	59	10.9	2.3	19.5	538	89.1	80.5	97.7
college/certificate	86	134,500	21	20.7	9.5	31.8	65	79.3	68.2	90.5
university or upper	105	127,659	25	19.7	17.2	22.2	80	80.3	77.8	82.8
no income	52	57,626	1	0.7	0.0	7.1	51	99.3	92.9	100.0
1-4,999 baht	460	470,560	15	3.5	0.0	16.9	445	96.5	83.1	100.0
5,000-9,999 baht	515	683,419	45	10.9	0.0	28.6	470	89.1	71.4	100.0
10,000 baht upper	485	609,725	66	12.8	0.0	36.0	419	87.2	64.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,811	2,166,430	91	5.5	0.0	13.0	1,720	94.5	87.0	100.0
municipal area	899	511,863	45	5.3	0.0	17.1	854	94.7	82.9	100.0
out municipal area	912	1,654,567	46	5.6	0.0	11.8	866	94.4	88.2	100.0
male	912	1,060,811	48	5.1	0.0	18.2	864	94.9	81.8	100.0
female	899	1,105,619	43	5.9	3.5	8.3	856	94.1	91.7	96.5
15-39 years	585	912,565	36	6.2	0.1	12.3	549	93.8	87.7	99.9
40-59 years	625	831,298	37	5.9	0.0	20.6	588	94.1	79.4	100.0
60-79 years	601	422,567	18	3.2	0.9	5.6	583	96.8	94.4	99.1
never attended school	105	92,160	0	0.0	0.0	0.0	105	100.0	100.0	100.0
pratoon 1-6	907	949,815	36	3.7	0.0	12.7	871	96.3	87.3	100.0
matayoom 1-6	600	846,975	44	8.1	1.0	15.2	556	91.9	84.8	99.0
college/certificate	86	134,500	1	0.5	0.0	2.5	85	99.5	97.5	100.0
university or upper	106	130,492	10	11.3	6.9	15.7	96	88.7	84.3	93.1
no income	52	57,626	3	4.1	0.0	35.0	49	95.9	65.0	100.0
1-4,999 baht	460	470,560	15	3.5	0.0	12.0	445	96.5	88.0	100.0
5,000-9,999 baht	515	683,757	19	4.2	1.2	7.2	496	95.8	92.8	98.8
10,000 baht upper	484	609,425	39	8.5	0.0	29.6	445	91.5	70.4	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,812	2,164,922	118	5.1	0.0	10.7	1,694	94.9	89.3	100.0
municipal area	900	510,355	85	9.8	8.6	10.9	815	90.2	89.1	91.4
out municipal area	912	1,654,567	33	3.6	0.0	10.3	879	96.4	89.7	100.0
male	915	1,061,482	61	4.3	0.0	8.7	854	95.7	91.3	100.0
female	897	1,103,439	57	5.8	0.0	12.4	840	94.2	87.6	100.0
15-39 years	584	910,684	16	2.6	1.1	4.0	568	97.4	96.0	98.9
40-59 years	625	831,298	41	5.1	3.3	7.0	584	94.9	93.0	96.7
60-79 years	603	422,940	61	10.3	0.0	36.3	542	89.7	63.7	100.0
never attended school	105	92,160	5	5.8	0.0	35.2	100	94.2	64.8	100.0
pratoon 1-6	908	949,926	49	4.8	3.8	5.8	859	95.2	94.2	96.2
matayoom 1-6	600	845,356	33	3.3	0.0	8.4	567	96.7	91.6	100.0
college/certificate	86	134,500	7	5.0	0.0	18.6	79	95.0	81.4	100.0
university or upper	106	130,492	24	18.2	0.0	56.1	82	81.8	43.9	100.0
no income	52	57,626	2	2.3	0.0	20.8	50	97.7	79.2	100.0
1-4,999 baht	460	470,560	16	3.8	0.0	15.3	444	96.2	84.7	100.0
5,000-9,999 baht	517	684,129	26	3.5	0.5	6.6	491	96.5	93.4	99.5
10,000 baht upper	485	609,725	54	7.9	0.0	22.2	431	92.1	77.8	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,890	2,247,553	105	5.0	3.1	6.9	1,785	95.0	93.1	96.9
municipal area	946	536,185	52	5.2	0.0	10.5	894	94.8	89.5	100.0
out municipal area	944	1,711,368	53	4.9	4.2	5.7	891	95.1	94.3	95.8
male	940	1,086,529	48	4.0	0.0	15.1	892	96.0	84.9	100.0
female	950	1,161,024	57	5.9	0.0	19.6	893	94.1	80.4	100.0
15-39 years	625	970,476	19	2.7	2.4	3.0	606	97.3	97.0	97.6
40-59 years	633	835,769	37	6.2	0.0	18.7	596	93.8	81.3	100.0
60-79 years	632	441,307	49	7.9	0.0	18.1	583	92.1	81.9	100.0
never attended school	111	95,254	14	15.2	0.0	36.0	97	84.8	64.0	100.0
pratoon 1-6	941	978,504	69	7.5	5.4	9.6	872	92.5	90.4	94.6
matayoom 1-6	635	887,535	15	2.0	0.0	8.9	620	98.0	91.1	100.0
college/certificate	85	133,833	3	2.8	0.0	8.4	82	97.2	91.6	100.0
university or upper	112	142,878	4	2.3	0.0	6.8	108	97.7	93.2	100.0
no income	56	65,941	3	1.1	0.0	10.2	53	98.9	89.8	100.0
1-4,999 baht	497	500,898	40	7.7	0.0	16.0	457	92.3	84.0	100.0
5,000-9,999 baht	529	694,514	27	4.8	3.7	5.8	502	95.2	94.2	96.3
10,000 baht upper	493	614,155	21	2.9	0.4	5.4	472	97.1	94.6	99.6

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,841	2,151,340	664	33.0	21.9	44.1	118	7.0	0.0	16.4	112	5.7	5.4	6.1	947	54.3	33.4	75.1
municipal area	940	532,467	336	33.5	5.6	61.4	53	5.6	0.0	14.5	61	6.5	0.0	15.3	490	54.3	26.5	82.1
out municipal area	901	1,618,873	328	32.8	8.8	56.8	65	7.5	0.0	16.8	51	5.5	1.9	9.0	457	54.3	17.4	91.1
male	914	1,031,229	278	26.2	18.9	33.6	61	6.2	0.0	17.2	53	5.2	0.6	9.8	522	62.4	39.4	85.3
female	927	1,120,111	386	39.2	22.7	55.7	57	7.8	0.0	16.0	59	6.2	2.8	9.6	425	46.8	25.5	68.1
15-39 years	610	929,362	153	24.5	20.1	29.0	42	6.8	0.0	21.0	40	5.9	3.5	8.3	375	62.8	41.7	83.9
40-59 years	613	795,232	237	37.6	34.3	40.8	43	7.8	0.0	19.6	43	6.1	3.3	8.8	290	48.6	30.8	66.5
60-79 years	618	426,747	274	42.9	15.5	70.3	33	6.1	0.4	11.8	29	4.8	0.0	13.0	282	46.2	32.7	59.8
never attended school	107	90,722	47	45.1	8.0	82.1	5	7.4	0.0	27.9	0	0.0	0.0	0.0	55	47.5	31.0	64.0
pratoon 1-6	919	948,320	384	39.5	23.2	55.7	56	7.0	0.0	13.9	50	5.6	2.8	8.3	429	48.0	22.1	73.9
matayoom 1-6	621	845,884	176	26.4	22.9	30.0	39	5.6	0.0	24.0	44	5.9	0.0	12.8	362	62.0	47.0	77.1
college/certificate	77	115,122	18	18.8	0.0	65.2	5	8.7	0.0	24.3	5	5.6	0.0	47.4	49	66.9	46.7	87.0
university or upper	111	141,742	36	31.5	0.0	63.7	12	12.8	0.0	30.1	13	9.7	0.2	19.2	50	46.0	6.1	86.0
no income	56	64,800	16	27.2	0.0	100.0	3	5.9	0.0	21.9	6	17.1	0.0	100.0	31	49.8	0.0	100.0
1-4,999 baht	477	474,965	190	34.7	19.2	50.1	27	8.4	1.8	14.9	22	3.3	0.0	15.3	238	53.7	32.8	74.6
5,000-9,999 baht	522	681,949	161	27.6	0.0	61.2	27	4.6	4.2	5.0	28	4.7	3.6	5.7	306	63.2	28.9	97.5
10,000 baht upper	484	596,901	175	34.5	12.6	56.5	47	9.3	0.0	40.3	46	9.0	7.1	10.9	216	47.2	36.3	58.1

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,855	2,198,185	412	20.7	1.2	40.1	191	10.4	0.0	26.3	383	21.6	1.8	41.3	869	47.4	31.7	63.0
municipal area	932	529,693	210	22.0	18.9	25.0	96	10.4	9.3	11.6	177	18.9	6.3	31.4	449	48.7	40.4	57.0
out municipal area	923	1,668,493	202	20.3	0.0	45.1	95	10.4	0.0	31.0	206	22.4	0.0	44.9	420	46.9	23.9	70.0
male	917	1,050,429	147	12.2	7.6	16.7	83	9.1	0.0	33.1	167	16.4	13.9	18.9	520	62.3	31.3	93.2
female	938	1,147,756	265	28.4	0.0	62.7	108	11.5	2.8	20.2	216	26.3	0.0	65.7	349	33.7	30.2	37.3
15-39 years	614	948,618	120	18.0	12.7	23.4	74	11.9	0.0	25.5	122	20.9	0.0	50.0	298	49.1	39.0	59.3
40-59 years	617	813,104	142	22.8	0.0	63.5	64	9.6	0.0	21.2	123	21.0	5.4	36.6	288	46.6	9.9	83.3
60-79 years	624	436,464	150	22.5	15.4	29.6	53	8.4	0.0	39.6	138	24.1	15.7	32.5	283	45.0	15.2	74.9
never attended school	110	95,778	25	31.9	0.0	100.0	16	9.2	0.0	25.6	20	19.9	0.0	52.4	49	39.0	0.0	100.0
pratoon 1-6	923	959,746	202	20.1	19.2	20.9	79	9.1	0.1	18.1	213	27.3	0.0	56.8	429	43.5	23.9	63.1
matayoom 1-6	626	866,982	135	19.1	3.5	34.6	74	12.1	0.0	37.8	112	16.5	3.1	30.0	305	52.2	24.5	79.9
college/certificate	80	124,205	16	19.7	0.0	100.0	6	5.4	0.0	14.5	11	12.5	0.0	47.1	47	62.4	17.8	100.0
university or upper	111	142,352	34	29.1	0.0	74.7	15	12.5	0.0	38.0	27	24.1	21.9	26.2	35	34.4	0.0	100.0
no income	57	66,701	11	18.4	0.0	65.0	12	25.6	0.0	100.0	10	18.2	14.2	22.3	24	37.8	0.0	100.0
1-4,999 baht	488	487,490	104	20.3	10.9	29.7	52	9.1	0.0	44.4	110	24.4	15.4	33.3	222	46.2	0.0	100.0
5,000-9,999 baht	522	683,951	89	16.5	0.0	57.1	58	11.1	8.1	14.0	93	18.5	0.0	58.6	282	53.9	50.4	57.4
10,000 baht upper	489	612,058	132	24.8	24.0	25.6	50	9.8	0.0	42.7	96	19.9	8.5	31.4	211	45.5	23.3	67.7

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,876	2,253,155	146	7.2	1.5	12.9	1,140	62.7	43.1	82.4	462	23.3	14.0	32.7	128	6.8	2.1	11.4
municipal area	930	531,189	76	8.5	2.8	14.2	563	60.4	54.8	66.0	229	23.7	15.2	32.3	62	7.4	4.6	10.1
out municipal area	946	1,721,966	70	6.8	1.0	12.6	577	63.4	35.8	91.1	233	23.2	8.3	38.1	66	6.6	0.0	13.6
male	934	1,092,777	85	8.9	0.0	20.8	631	69.5	46.2	92.8	180	17.7	5.1	30.3	38	3.9	2.8	5.0
female	942	1,160,378	61	5.6	5.1	6.1	509	56.3	38.7	73.9	282	28.6	21.2	36.1	90	9.5	0.0	20.1
15-24 years	279	420,109	58	18.0	0.0	42.7	189	73.7	15.7	100.0	18	4.2	0.0	35.1	14	4.1	1.7	6.5
25-34 years	199	305,505	14	4.7	0.0	27.3	130	65.7	20.4	100.0	44	24.8	4.7	44.9	11	4.8	2.3	7.3
35-44 years	277	417,732	9	3.0	0.0	12.4	163	58.8	52.3	65.2	77	28.2	13.4	42.9	28	10.0	9.0	11.0
45-54 years	329	447,173	16	5.0	0.0	10.5	186	58.7	45.5	72.0	98	28.6	23.8	33.4	29	7.7	0.0	21.7
55-64 years	412	393,881	18	4.3	0.0	15.1	241	59.4	47.0	71.8	121	28.1	20.9	35.3	32	8.2	2.6	13.8
65-74 years	285	200,667	19	6.0	0.0	19.1	174	59.6	58.4	60.8	78	28.4	15.3	41.6	14	6.0	4.8	7.1
75-79 years	95	68,089	12	12.6	0.0	49.3	57	59.7	19.9	99.5	26	27.7	24.6	30.8	0	0.0	0.0	0.0
never attended school	113	97,092	13	8.5	0.0	17.5	65	56.0	32.6	79.5	25	29.0	1.8	56.1	10	6.5	1.2	11.9
pratoon 1-6	923	973,510	54	5.6	0.0	12.7	517	56.1	30.1	82.2	281	30.1	21.3	39.0	71	8.2	0.0	18.2
matayoom 1-6	636	894,778	69	10.1	1.7	18.6	418	65.2	61.5	68.9	111	18.3	9.9	26.7	38	6.4	2.6	10.1
college/certificate	85	134,867	3	3.4	0.0	11.5	67	87.3	25.4	100.0	14	8.5	0.0	51.6	1	0.8	0.0	11.4
university or upper	112	142,699	7	3.4	0.0	17.3	69	73.1	32.3	100.0	29	18.0	0.0	67.0	7	5.5	0.0	11.2
no income	57	67,662	8	11.9	0.0	82.8	32	57.5	10.8	100.0	14	23.5	0.0	77.1	3	7.2	0.0	36.5
1-4,999 baht	490	498,402	61	13.1	0.0	26.5	275	56.6	27.2	85.9	117	21.8	5.3	38.3	37	8.5	8.0	9.0
5,000-9,999 baht	529	696,601	29	4.5	0.6	8.4	346	64.8	62.8	66.7	124	24.2	17.8	30.7	30	6.5	5.9	7.2
10,000 baht upper	489	616,118	19	3.6	0.0	9.4	297	65.0	60.7	69.2	136	25.1	19.9	30.2	37	6.4	0.0	13.1

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1920	2,281,659	441	23.3	19.2	27.3	1479	76.7	72.7	80.8
municipal area	960	545,539	206	22.5	11.7	33.4	754	77.5	66.6	88.3
out municipal area	960	1,736,120	235	23.5	14.7	32.2	725	76.5	67.8	85.3
male	960	1,109,837	188	18.1	4.8	31.3	772	81.9	68.7	95.2
female	960	1,171,821	253	28.2	9.0	47.4	707	71.8	52.6	91.0
15-24 years	287	426,352	49	20.4	0.0	43.8	238	79.6	56.2	100.0
25-34 years	203	308,307	49	26.3	0.0	60.7	154	73.7	39.3	100.0
35-44 years	282	421,882	66	23.2	12.1	34.2	216	76.8	65.8	87.9
45-54 years	332	449,972	75	23.3	3.3	43.4	257	76.7	56.6	96.7
55-64 years	419	398,631	118	26.9	18.1	35.8	301	73.1	64.2	81.9
65-74 years	297	205,505	60	18.9	0.0	47.7	237	81.1	52.3	100.0
75-79 years	100	71,008	24	19.4	0.2	38.5	76	80.6	61.5	99.8
never attended school	113	97,092	21	22.4	0.0	57.6	92	77.6	42.4	100.0
pratoon 1-6	949	988,379	239	27.1	0.0	59.3	710	72.9	40.7	100.0
matayoom 1-6	647	900,633	140	19.4	0.0	43.3	507	80.6	56.7	100.0
college/certificate	87	136,310	16	19.1	1.0	37.1	71	80.9	62.9	99.0
university or upper	114	144,472	24	27.9	5.9	49.9	90	72.1	50.1	94.1
no income	58	68,510	16	37.0	0.0	100.0	42	63.0	0.0	100.0
1-4,999 baht	502	503,794	135	30.2	0.0	72.8	367	69.8	27.2	100.0
5,000-9,999 baht	535	700,789	111	19.2	18.4	20.0	424	80.8	80.0	81.6
10,000 baht upper	500	623,772	126	25.4	7.7	43.1	374	74.6	56.9	92.3

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,900	2,254,408	302	14.8	7.5	22.0	151	5.5	5.2	5.8	1447	79.7	72.2	87.2
municipal area	950	537,857	161	15.5	7.0	24.1	83	6.3	5.5	7.1	706	78.2	70.5	85.9
out municipal area	950	1,716,551	141	14.5	2.3	26.8	68	5.3	5.1	5.5	741	80.2	67.7	92.7
male	948	1,095,474	278	27.6	4.8	50.3	140	10.7	8.0	13.3	530	61.8	41.6	81.9
female	952	1,158,934	24	2.7	0.0	13.0	11	0.7	0.0	2.6	917	96.7	88.3	100.0
15-24 years	281	418,292	27	10.1	0.0	44.5	4	1.7	0.0	6.1	250	88.2	58.3	100.0
25-34 years	201	305,929	34	16.2	15.6	16.9	7	2.7	0.0	15.8	160	81.1	67.3	94.9
35-44 years	278	413,003	45	14.7	1.5	28.0	16	4.4	0.0	9.6	217	80.8	72.7	88.9
45-54 years	329	447,201	66	17.6	16.9	18.3	20	3.8	3.6	4.1	243	78.6	77.7	79.5
55-64 years	416	394,472	82	17.2	15.9	18.4	43	9.1	5.1	13.1	291	73.7	68.5	78.9
65-74 years	296	205,167	36	14.3	0.0	35.2	40	12.1	0.0	33.3	220	73.6	31.5	100.0
75-79 years	99	70,344	12	6.0	2.8	9.1	21	18.9	0.0	48.6	66	75.2	42.4	100.0
never attended school	113	97,092	14	14.1	0.0	69.1	13	9.7	0.0	24.0	86	76.2	6.9	100.0
pratoon 1-6	942	981,693	173	18.3	8.4	28.3	90	7.5	2.7	12.3	679	74.2	59.4	88.9
matayoom 1-6	640	891,403	93	13.6	2.9	24.2	39	3.8	1.0	6.7	508	82.6	74.8	90.3
college/certificate	87	136,310	8	6.5	1.5	11.5	1	0.4	0.0	5.9	78	93.1	82.6	100.0
university or upper	111	137,701	13	6.3	0.0	13.0	8	5.0	0.0	25.8	90	88.7	61.2	100.0
no income	58	68,510	3	4.7	0.0	16.0	0	0.0	0.0	0.0	55	95.3	84.0	100.0
1-4,999 baht	499	501,984	72	16.3	4.2	28.4	32	4.2	0.0	9.2	395	79.5	62.4	96.5
5,000-9,999 baht	527	691,338	95	15.4	0.0	37.7	37	4.5	0.1	8.8	395	80.2	53.5	100.0
10,000 baht upper	498	622,239	89	17.6	9.8	25.5	56	8.0	7.7	8.2	353	74.4	66.8	82.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	298	326,869	185	61.3	49.6	73.0	113	38.7	27.0	50.4
municipal area	158	82,185	100	59.8	48.4	71.3	58	40.2	28.7	51.6
out municipal area	140	244,684	85	61.8	50.9	72.8	55	38.2	27.2	49.1
male	274	295,959	169	61.2	48.4	74.1	105	38.8	25.9	51.6
female	24	30,910	16	62.1	57.8	66.3	8	37.9	33.7	42.2
15-24 years	26	42,282	17	69.7	0.0	100.0	9	30.3	0.0	100.0
25-34 years	31	43,659	18	60.7	43.7	77.7	13	39.3	22.3	56.3
35-44 years	44	60,254	26	54.4	33.5	75.4	18	45.6	24.6	66.5
45-54 years	66	78,954	40	55.8	35.6	76.0	26	44.2	24.0	64.4
55-64 years	82	67,762	49	61.2	48.4	74.1	33	38.8	25.9	51.6
65-74 years	37	29,771	27	79.0	32.4	100.0	10	21.0	0.0	67.6
75-79 years	12	4,187	8	62.1	0.0	100.0	4	37.9	0.0	100.0
never attended school	14	13,728	8	53.9	0.0	100.0	6	46.1	0.0	100.0
pratoon 1-6	174	180,600	112	62.2	47.6	76.9	62	37.8	23.1	52.4
matayoom 1-6	89	115,009	53	59.8	53.0	66.6	36	40.2	33.4	47.0
college/certificate	8	8,839	7	75.1	0.0	100.0	1	24.9	0.0	100.0
university or upper	12	8,264	5	63.3	34.8	91.8	7	36.7	8.2	65.2
no income	3	3,195	3	100.0	100.0	100.0	0	0.0	0.0	0.0
1-4,999 baht	73	82,157	42	55.4	0.0	100.0	31	44.6	0.0	100.0
5,000-9,999 baht	92	100,279	49	53.4	50.2	56.5	43	46.6	43.5	49.8
10,000 baht upper	90	110,522	65	75.0	52.0	98.0	25	25.0	2.0	48.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,905	2,264,563	487	26.0	19.3	32.7	1,418	74.0	67.3	80.7
municipal area	953	539,779	234	26.2	0.1	52.3	719	73.8	47.7	99.9
out municipal area	952	1,724,785	253	25.9	8.9	42.9	699	74.1	57.1	91.1
male	952	1,101,064	349	35.6	0.0	72.3	603	64.4	27.7	100.0
female	953	1,163,499	138	16.9	0.0	40.9	815	83.1	59.1	100.0
15-24 years	284	424,339	65	23.1	13.3	33.0	219	76.9	67.0	86.7
25-34 years	201	305,929	71	30.1	8.0	52.2	130	69.9	47.8	92.0
35-44 years	277	414,044	89	32.8	22.4	43.1	188	67.2	56.9	77.6
45-54 years	331	449,304	107	28.8	0.6	57.0	224	71.2	43.0	99.4
55-64 years	417	396,080	104	23.5	16.7	30.2	313	76.5	69.8	83.3
65-74 years	295	203,859	47	18.6	0.0	42.0	248	81.4	58.0	100.0
75-79 years	100	71,008	4	3.1	2.9	3.3	96	96.9	96.7	97.1
never attended school	112	96,377	13	12.4	9.4	15.5	99	87.6	84.5	90.6
pratoon 1-6	945	983,251	244	29.2	22.2	36.2	701	70.8	63.8	77.8
matayoom 1-6	643	896,452	175	26.0	1.0	50.9	468	74.0	49.1	99.0
college/certificate	87	136,310	22	18.7	12.4	25.0	65	81.3	75.0	87.6
university or upper	112	142,624	33	21.8	10.9	32.8	79	78.2	67.2	89.1
no income	58	68,510	8	14.8	0.0	62.3	50	85.2	37.7	100.0
1-4,999 baht	499	500,062	102	24.0	7.3	40.7	397	76.0	59.3	92.7
5,000-9,999 baht	533	698,853	156	28.8	15.0	42.6	377	71.2	57.4	85.0
10,000 baht upper	498	621,527	141	26.5	11.1	41.8	357	73.5	58.2	88.9

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,894	2,248,224	359	19.7	19.4	19.9	1,535	80.3	80.1	80.6
municipal area	950	537,210	176	19.3	5.4	33.2	774	80.7	66.8	94.6
out municipal area	944	1,711,014	183	19.8	15.8	23.8	761	80.2	76.2	84.2
male	946	1,091,132	265	26.6	1.6	51.6	681	73.4	48.4	98.4
female	948	1,157,092	94	13.1	0.0	38.7	854	86.9	61.3	100.0
15-24 years	284	424,339	46	18.8	13.2	24.5	238	81.2	75.5	86.8
25-34 years	200	304,381	62	25.1	1.6	48.6	138	74.9	51.4	98.4
35-44 years	273	406,826	64	25.0	13.0	37.0	209	75.0	63.0	87.0
45-54 years	328	444,264	75	19.8	18.8	20.9	253	80.2	79.1	81.2
55-64 years	416	395,091	75	17.1	11.6	22.6	341	82.9	77.4	88.4
65-74 years	294	203,138	35	13.5	12.3	14.6	259	86.5	85.4	87.7
75-79 years	99	70,185	2	1.8	0.0	6.3	97	98.2	93.7	100.0
never attended school	111	95,656	7	9.1	7.5	10.7	104	90.9	89.3	92.5
pratoon 1-6	939	977,401	184	22.9	1.6	44.2	755	77.1	55.8	98.4
matayoom 1-6	642	891,941	128	18.7	0.0	41.2	514	81.3	58.8	100.0
college/certificate	86	134,761	18	15.0	8.3	21.7	68	85.0	78.3	91.7
university or upper	110	138,915	22	16.0	8.4	23.6	88	84.0	76.4	91.6
no income	58	68,510	7	13.1	0.0	45.1	51	86.9	54.9	100.0
1-4,999 baht	499	500,062	77	18.3	0.0	41.2	422	81.7	58.8	100.0
5,000-9,999 baht	530	695,548	123	23.8	13.8	33.8	407	76.2	66.2	86.2
10,000 baht upper	497	620,936	108	20.8	15.4	26.3	389	79.2	73.7	84.6

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

Part 6 Alcohol

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

Variable	Frequency	WgtFreq	Yes				No			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,905	2,264,563	159	8.0	5.9	10.0	1,746	92.0	90.0	94.1
municipal area	953	539,779	84	9.8	3.1	16.5	869	90.2	83.5	96.9
out municipal area	952	1,724,785	75	7.4	6.9	7.8	877	92.6	92.2	93.1
male	952	1,101,064	122	11.8	9.6	14.0	830	88.2	86.0	90.4
female	953	1,163,499	37	4.3	0.0	11.3	916	95.7	88.7	100.0
15-24 years	284	424,339	20	6.3	0.0	15.4	264	93.7	84.6	100.0
25-34 years	201	305,929	38	14.9	0.0	29.7	163	85.1	70.3	100.0
35-44 years	277	414,044	27	9.0	0.0	30.4	250	91.0	69.6	100.0
45-54 years	331	449,304	31	8.9	5.5	12.3	300	91.1	87.7	94.5
55-64 years	417	396,080	31	6.2	1.2	11.2	386	93.8	88.8	98.8
65-74 years	295	203,859	11	2.8	0.0	9.9	284	97.2	90.1	100.0
75-79 years	100	71,008	1	0.8	0.0	10.7	99	99.2	89.3	100.0
never attended school	112	96,377	2	5.2	0.0	38.7	110	94.8	61.3	100.0
pratoon 1-6	945	983,251	77	8.3	0.0	16.7	868	91.7	83.3	100.0
matayoom 1-6	643	896,452	60	8.2	6.3	10.0	583	91.8	90.0	93.7
college/certificate	87	136,310	8	6.7	0.0	32.3	79	93.3	67.7	100.0
university or upper	112	142,624	12	7.8	0.1	15.6	100	92.2	84.4	99.9
no income	58	68,510	5	9.2	0.0	43.6	53	90.8	56.4	100.0
1-4,999 baht	499	500,062	37	7.9	2.4	13.3	462	92.1	86.7	97.6
5,000-9,999 baht	533	698,853	52	9.7	1.3	18.1	481	90.3	81.9	98.7
10,000 baht upper	498	621,527	50	9.0	7.7	10.2	448	91.0	89.8	92.3

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

Part 6 Alcohol

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

Variable	Frequency	WgtFreq	Yes				No			
			Frequency	Percent	LowerCL	UpperCL	Frequency	Percent	LowerCL	UpperCL
overall	1,920	2,281,659	118	6.1	0.8	11.4	1,802	93.9	88.6	99.2
municipal area	960	545,539	60	6.1	5.8	6.4	900	93.9	93.6	94.2
out municipal area	960	1,736,120	58	6.1	0.0	13.0	902	93.9	87.0	100.0
male	960	1,109,837	97	8.9	7.0	10.8	863	91.1	89.2	93.0
female	960	1,171,821	21	3.4	0.0	16.3	939	96.6	83.7	100.0
15-24 years	287	426,352	15	6.6	0.0	26.3	272	93.4	73.7	100.0
25-34 years	203	308,307	27	11.1	7.2	14.9	176	88.9	85.1	92.8
35-44 years	282	421,882	19	6.0	0.0	20.3	263	94.0	79.7	100.0
45-54 years	332	449,972	26	6.4	4.2	8.7	306	93.6	91.3	95.8
55-64 years	419	398,631	23	5.0	5.0	5.1	396	95.0	94.9	95.0
65-74 years	297	205,505	8	1.3	0.0	8.9	289	98.7	91.1	100.0
75-79 years	100	71,008	0				100	100.0	100.0	100.0
never attended school	113	97,092	3	5.6	0.0	33.6	110	94.4	66.4	100.0
pratoon 1-6	949	988,379	59	7.8	0.0	23.2	890	92.2	76.8	100.0
matayoom 1-6	647	900,633	42	5.0	0.5	9.5	605	95.0	90.5	99.5
college/certificate	87	136,310	5	3.2	0.0	15.5	82	96.8	84.5	100.0
university or upper	114	144,472	9	4.7	0.0	18.4	105	95.3	81.6	100.0
no income	58	68,510	2	4.3	0.0	10.4	56	95.7	89.6	100.0
1-4,999 baht	502	503,794	28	5.0	0.0	11.6	474	95.0	88.4	100.0
5,000-9,999 baht	535	700,789	45	8.5	3.3	13.8	490	91.5	86.2	96.7
10,000 baht upper	500	623,772	33	6.8	0.0	17.1	467	93.2	82.9	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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			
			Frequen	Percent	LowerCL	UpperCL	Frequen	Percent	LowerCL	UpperCL
overall	1,920	2,281,659	1,451	77.3	76.4	78.3	469	22.7	21.7	23.6
municipal area	960	545,539	741	80.1	76.2	84.0	219	19.9	16.0	23.8
out municipal area	960	1,736,120	710	76.4	73.7	79.2	250	23.6	20.8	26.3
male	960	1,109,837	775	85.7	58.7	100.0	185	14.3	0.0	41.3
female	960	1,171,821	676	69.4	43.9	94.9	284	30.6	5.1	56.1
15-24 years	287	426,352	260	89.0	81.9	96.2	27	11.0	3.8	18.1
25-34 years	203	308,307	181	88.3	86.5	90.0	22	11.7	10.0	13.5
35-44 years	282	421,882	240	83.5	81.7	85.3	42	16.5	14.7	18.3
45-54 years	332	449,972	250	74.6	42.9	100.0	82	25.4	0.0	57.1
55-64 years	419	398,631	273	65.5	24.3	100.0	146	34.5	0.0	75.7
65-74 years	297	205,505	192	65.3	51.4	79.3	105	34.7	20.7	48.6
75-79 years	100	71,008	55	41.3	0.0	95.8	45	58.7	4.2	100.0
never attended school	113	97,092	57	42.6	0.0	100.0	56	57.4	0.0	100.0
pratoon 1-6	949	988,379	643	67.0	51.1	82.8	306	33.0	17.2	48.9
matayoom 1-6	647	900,633	572	89.8	67.8	100.0	75	10.2	0.0	32.2
college/certificate	87	136,310	78	89.8	88.7	91.0	9	10.2	9.0	11.3
university or upper	114	144,472	95	82.6	65.1	100.0	19	17.4	0.0	34.9
no income	58	68,510	50	92.4	87.3	97.5	8	7.6	2.5	12.7
1-4,999 baht	502	503,794	318	64.1	34.7	93.6	184	35.9	6.4	65.3
5,000-9,999 baht	535	700,789	439	80.8	77.1	84.5	96	19.2	15.5	22.9
10,000 baht upper	500	623,772	401	83.3	64.3	100.0	99	16.7	0.0	35.7

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,881	2,234,732	887	40.7	6.0	75.5	120	5.7	2.3	9.1	79	4.6	0.4	8.8	795	49.0	15.1	82.8
municipal area	939	533,680	435	37.4	14.1	60.7	61	6.9	5.2	8.6	36	3.9	0.0	7.8	407	51.9	23.0	80.8
out municipal area	942	1,701,052	452	41.8	3.9	79.7	59	5.3	1.2	9.4	43	4.9	0.0	11.7	388	48.0	12.9	83.2
male	939	1,089,437	377	31.5	11.9	51.1	63	5.2	0.0	22.7	45	5.6	0.0	12.0	454	57.7	27.0	88.3
female	942	1,145,295	510	49.5	0.0	99.7	57	6.1	0.0	16.1	34	3.7	1.4	6.0	341	40.7	2.7	78.6
15-24 years	275	416,497	26	9.9	0.0	28.6	7	2.5	0.0	6.1	6	2.6	0.0	14.1	236	85.0	81.3	88.7
25-34 years	200	299,569	48	25.3	0.0	57.1	7	3.7	0.0	16.3	8	5.0	1.5	8.6	137	66.0	50.3	81.6
35-44 years	274	406,816	100	36.8	19.7	54.0	22	8.0	0.0	23.9	9	3.1	0.0	8.3	143	52.1	13.8	90.3
45-54 years	331	449,600	173	49.2	5.2	93.3	25	6.5	0.0	19.2	18	6.0	1.2	10.7	115	38.3	0.0	99.8
55-64 years	413	391,869	267	60.6	16.2	100.0	29	7.2	0.0	16.2	19	3.8	0.0	11.7	98	28.4	0.0	71.7
65-74 years	294	203,768	207	66.7	0.0	100.0	23	5.8	0.0	19.0	14	8.0	0.0	58.1	50	19.6	0.0	50.9
75-79 years	94	66,614	66	73.8	19.7	100.0	7	5.8	0.0	24.9	5	9.6	0.0	22.8	16	10.8	0.0	59.0
never attended school	113	97,092	80	75.9	48.4	100.0	10	7.3	3.5	11.0	4	6.9	0.0	51.4	19	9.8	0.0	30.6
pratoon 1-6	936	979,039	558	54.2	17.1	91.3	60	5.6	3.7	7.4	45	5.0	2.9	7.2	273	35.2	0.0	72.0
matayoom 1-6	633	882,971	184	24.9	14.2	35.7	40	5.8	0.2	11.4	20	4.1	0.0	11.3	389	65.2	56.2	74.3
college/certificate	82	130,326	23	26.2	5.2	47.3	1	1.2	0.0	16.8	3	2.9	0.0	33.8	55	69.7	2.2	100.0
university or upper	112	139,083	41	35.8	0.0	100.0	9	9.1	0.0	27.4	7	5.3	0.0	16.2	55	49.7	0.0	100.0
no income	57	66,701	22	27.6	0.0	100.0	3	6.7	0.0	32.3	2	3.5	2.6	4.3	30	62.2	0.0	100.0
1-4,999 baht	496	496,569	300	51.2	25.6	76.7	28	5.7	0.0	12.4	13	3.2	1.2	5.2	155	39.9	19.1	60.8
5,000-9,999 baht	527	692,362	193	33.6	0.0	70.7	27	3.7	0.0	12.1	30	5.3	0.8	9.8	277	57.4	16.4	98.3
10,000 baht upper	494	614,302	231	41.5	0.0	92.3	39	6.9	0.0	18.7	21	5.2	2.0	8.4	203	46.4	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

Part 8 Cholesterol

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

Variable	Frequency	WgtFreq	Yes				No			
			Frequency	Percent	LowerCL	UpperCL	Frequency	Percent	LowerCL	UpperCL
overall	1,077	1,139,079	330	28.1	23.7	32.5	747	71.9	67.5	76.3
municipal area	526	254,189	173	33.5	29.2	37.8	353	66.5	62.2	70.8
out municipal area	551	884,890	157	26.6	20.3	32.8	394	73.4	67.2	79.7
male	485	461,789	121	19.8	0.0	43.4	364	80.2	56.6	100.0
female	592	677,290	209	33.8	12.1	55.5	383	66.2	44.5	87.9
15-24 years	41	63,490	1	7.8	0.0	54.4	40	92.2	45.6	100.0
25-34 years	64	108,873	5	12.3	0.0	63.0	59	87.7	37.0	100.0
35-44 years	129	193,058	17	15.3	0.0	56.0	112	84.7	44.0	100.0
45-54 years	214	275,872	76	31.4	16.0	46.8	138	68.6	53.2	84.0
55-64 years	310	274,899	103	36.8	36.4	37.2	207	63.2	62.8	63.6
65-74 years	241	162,784	92	36.4	0.0	78.8	149	63.6	21.2	100.0
75-79 years	78	60,104	36	41.8	0.0	87.1	42	58.2	12.9	100.0
never attended school	92	85,978	28	36.4	1.0	71.7	64	63.6	28.3	99.0
pratoon 1-6	655	627,223	231	35.7	25.6	45.8	424	64.3	54.2	74.4
matayoom 1-6	244	312,181	49	13.8	12.4	15.3	195	86.2	84.7	87.6
college/certificate	28	41,666	10	29.9	0.0	70.0	18	70.1	30.0	100.0
university or upper	57	69,768	12	13.4	0.0	36.3	45	86.6	63.7	100.0
no income	25	24,031	6	17.8	0.0	66.0	19	82.2	34.0	100.0
1-4,999 baht	338	293,494	118	31.8	3.3	60.3	220	68.2	39.7	96.7
5,000-9,999 baht	250	297,067	61	27.3	27.1	27.4	189	72.7	72.6	72.9
10,000 baht upper	288	331,892	92	26.7	16.7	36.8	196	73.3	63.2	83.3

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

Part 9 Hypertension

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

Variable	Frequency	WgtFreq	Within past 1 year ago				Over 1 to 2 years ago				More than 2 years ago				Never			
			Frequen	Percent	LowerC	UpperC	Freque	Percent	LowerC	UpperC	Freque	Percent	LowerC	UpperC	Freque	Percent	LowerC	UpperC
overall	1,892	2,244,063	1,343	65.0	38.1	91.8	175	11.9	0.0	30.9	42	3.4	0.0	10.1	332	19.8	18.7	20.9
municipal area	944	535,566	649	64.0	31.4	96.6	86	9.7	0.0	33.8	19	2.1	0.0	5.0	190	24.2	12.7	35.6
out municipal area	948	1,708,496	694	65.3	19.9	100.0	89	12.6	0.0	45.4	23	3.7	0.0	11.9	142	18.4	14.0	22.9
male	946	1,098,643	606	55.7	36.5	75.0	118	17.0	0.0	41.6	27	4.0	0.7	7.4	195	23.2	14.5	32.0
female	946	1,145,419	737	73.8	38.4	100.0	57	7.0	0.0	21.3	15	2.7	0.0	12.8	137	16.5	5.5	27.5
15-24 years	276	415,395	78	24.9	0.0	53.2	23	10.9	0.0	47.4	8	3.1	0.0	9.8	167	61.1	46.1	76.0
25-34 years	202	308,192	112	54.6	39.0	70.2	19	7.5	0.0	21.8	10	7.5	0.0	22.5	61	30.4	15.4	45.3
35-44 years	275	407,092	193	69.9	31.9	100.0	36	14.3	12.4	16.3	5	4.2	0.0	29.0	41	11.5	0.3	22.8
45-54 years	332	449,972	270	78.5	52.0	100.0	38	15.5	0.0	51.6	5	1.5	0.0	7.2	19	4.5	0.6	8.4
55-64 years	413	391,133	345	79.2	45.1	100.0	35	13.9	0.0	46.6	8	2.3	1.1	3.4	25	4.7	2.2	7.2
65-74 years	295	203,533	258	87.5	75.0	100.0	18	5.9	5.8	5.9	4	1.9	0.0	13.9	15	4.7	4.1	5.2
75-79 years	99	68,745	87	87.7	67.2	100.0	6	5.7	0.0	34.2	2	3.5	0.0	44.2	4	3.1	0.0	11.3
never attended school	113	97,092	103	89.8	59.7	100.0	8	5.9	1.2	10.5	2	4.3	0.0	29.8	0	0.0	0.0	0.0
pratoon 1-6	943	981,619	788	80.8	61.9	99.7	62	8.3	0.0	22.7	16	2.5	1.7	3.3	77	8.4	4.6	12.1
matayoom 1-6	635	886,322	346	50.7	42.6	58.8	87	16.9	0.0	38.8	15	3.5	0.0	13.5	187	29.0	5.1	52.8
college/certificate	85	134,955	37	34.7	0.0	80.5	9	11.9	0.0	35.3	5	8.4	1.3	15.5	34	45.0	15.5	74.5
university or upper	111	137,853	67	56.7	0.0	100.0	9	10.0	0.0	41.5	4	3.4	0.0	24.6	31	29.8	0.0	82.7
no income	58	68,510	34	51.5	0.0	100.0	6	17.4	0.0	100.0	3	3.8	0.0	30.0	15	27.3	0.0	100.0
1-4,999 baht	499	498,893	394	70.2	44.7	95.7	22	5.9	0.0	18.3	6	1.1	0.6	1.7	77	22.8	9.2	36.4
5,000-9,999 baht	526	686,967	334	58.3	35.3	81.3	56	11.3	11.1	11.4	14	5.3	0.0	16.6	122	25.1	13.6	36.7
10,000 baht upper	494	620,152	362	68.9	41.5	96.3	69	18.6	0.0	43.8	11	2.7	1.4	3.9	52	9.8	8.9	10.8

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	1,553	1,802,922	378	18.3	4.7	31.8	1,175	81.7	68.2	95.3
municipal area	747	401,187	204	22.7	0.0	46.1	543	77.3	53.9	100.0
out municipal area	806	1,401,735	174	17.0	5.7	28.3	632	83.0	71.7	94.3
male	746	838,513	145	12.9	0.0	30.0	601	87.1	70.0	100.0
female	807	964,409	233	22.9	12.3	33.4	574	77.1	66.6	87.7
15-24 years	110	166,054	1	0.1	0.0	0.9	109	99.9	99.1	100.0
25-34 years	138	212,087	5	6.7	0.0	34.9	133	93.3	65.1	100.0
35-44 years	235	365,999	15	5.2	1.9	8.6	220	94.8	91.4	98.1
45-54 years	310	428,259	70	19.5	0.0	40.4	240	80.5	59.6	100.0
55-64 years	384	369,438	114	24.6	9.7	39.6	270	75.4	60.4	90.3
65-74 years	281	194,445	122	44.1	0.0	91.0	159	55.9	9.0	100.0
75-79 years	95	66,640	51	52.8	16.5	89.1	44	47.2	10.9	83.5
never attended school	112	96,574	32	32.3	12.4	52.1	80	67.7	47.9	87.6
pratoon 1-6	861	896,238	267	24.7	0.0	61.1	594	75.3	38.9	100.0
matayoom 1-6	445	630,355	58	8.7	0.0	23.2	387	91.3	76.8	100.0
college/certificate	50	73,703	8	12.7	0.0	32.0	42	87.3	68.0	100.0
university or upper	83	103,360	11	9.2	1.3	17.1	72	90.8	82.9	98.7
no income	42	49,619	8	14.5	0.0	100.0	34	85.5	0.0	100.0
1-4,999 baht	421	383,942	162	31.7	23.4	40.0	259	68.3	60.0	76.6
5,000-9,999 baht	401	516,463	67	15.1	6.1	24.1	334	84.9	75.9	93.9
10,000 baht upper	439	556,354	82	12.8	12.3	13.3	357	87.2	86.7	87.7

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	355	309,310	26	8.0	7.1	9.0	34	9.6	0.0	63.6	88	23.75	0.0	100	98	28.3	18.8	37.8	109	30.3	0.0	62.9
municipal area	191	85,937	15	7.8	0.0	21.4	17	7.9	0.0	48.7	53	29.3	0.0	100.0	52	25.4	0.0	84.4	54	29.6	20.7	38.6
out municipal area	164	223,373	11	8.2	1.6	14.7	17	10.2	0.0	69.2	35	21.6	0.0	100.0	46	29.5	19.8	39.1	55	30.5	0.0	72.3
male	137	102,574	16	12.7	10.8	14.6	17	14.2	0.0	43.0	37	27.1	0.0	100.0	32	22.1	4.1	40.2	35	24.0	0.0	91.2
female	218	206,736	10	5.8	1.1	10.4	17	7.3	0.0	71.5	51	22.1	0.0	100.0	66	31.4	23.0	39.8	74	33.4	14.8	52.1
15-24 years	6	14,318	2	9.7	0.0	100.0	0	0.0	0.0	0.0	2	47.0	0.0	100.0	2	43.3	0.0	100.0	0	0.0	0.0	0.0
25-34 years	15	19,208	2	3.7	0.0	48.4	4	17.6	0.0	100.0	3	5.5	0.0	47.4	2	34.9	11.9	57.9	4	38.3	0.0	100.0
35-44 years	63	73,409	7	11.0	0.0	29.2	7	13.7	0.0	55.3	9	22.7	0.0	100.0	21	30.2	0.0	100.0	19	22.5	3.0	42.0
45-54 years	108	86,743	6	7.9	0.3	15.6	8	9.6	0.0	63.4	31	28.2	0.0	100.0	30	26.3	0.0	55.2	33	28.0	0.0	100.0
55-64 years	113	80,515	7	8.8	0.0	24.7	9	4.3	0.0	34.2	27	19.5	0.0	81.8	34	32.5	24.7	40.3	36	34.8	0.0	90.9
65-74 years	50	35,117	2	2.2	0.0	11.3	6	12.7	0.0	100.0	16	25.2	0.0	100.0	9	10.1	0.0	84.5	17	49.9	11.2	88.6
75-79 years	30	28,554	2	14.6	0.0	99.0	4	8.5	0.0	100.0	3	2.5	1.7	3.3	11	28.1	0.0	100.0	10	46.3	0.0	100.0
never attended school	252	211,533	13	3.8	0.0	33.6	23	8.8	0.0	74.2	64	25.6	0.0	100.0	73	31.9	5.2	58.6	79	30.0	0.0	76.7
pratoon 1-6	54	49,150	8	17.1	0.0	56.3	5	13.2	0.0	53.2	16	32.5	0.0	100.0	10	14.2	0.0	90.6	15	23.0	0.0	99.2
matayoom 1-6	8	9,359	2	36.1	0.0	100.0	0	0.0	0.0	0.0	2	9.3	0.0	42.3	3	45.3	0.0	99.4	1	9.3	0.0	42.5
college/certificate	9	8,022	1	10.9	0.0	98.4	2	27.6	0.0	100.0	3	22.2	0.0	100.0	1	11.4	0.0	100.0	2	27.9	0.0	100.0
university or upper	7	6,877	1	8.4	8.4	8.4	2	50.8	50.8	50.8	0	0.0	0.0	0.0	1	3.8	3.8	3.8	3	37.0	37.0	37.0
no income	155	115,466	8	3.6	0.0	36.8	13	10.3	0.0	100.0	35	23.0	0.0	100.0	48	26.6	0.0	70.5	51	36.5	7.4	65.6
1-4,999 baht	67	76,784	6	13.2	0.0	31.6	7	10.5	0.0	22.2	17	18.9	0.0	56.1	12	26.1	23.4	28.9	25	31.2	0.0	100.0
5,000-9,999 baht	77	66,562	7	12.0	0.0	69.9	7	4.5	0.0	11.4	21	25.0	0.0	100.0	25	36.3	0.0	100.0	17	22.2	0.0	66.0
10,000 baht upper	63	85,077	2	5.2	0.0	40.7	4	7.4	0.0	24.9	20	21.3	0.0	63.4	17	26.3	0.0	100.0	20	39.8	0.0	100.0

Behavioral Risk Factor Surveillance System 2015 (Health Regional 3)

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	328	279,184	129	37.9	7.9	67.9	142	40.7	35.0	46.5	27	7.5	0.0	42.1	13	4.3	0.0	40.1	17	9.6	0.0	35.0
municipal area	179	79,295	69	35.2	20.8	49.5	76	45.6	3.8	87.5	18	7.7	0.0	31.2	7	4.7	0.0	21.2	9	6.8	0.0	41.2
out municipal area	149	199,889	60	39.0	2.9	75.0	66	38.8	29.9	47.7	9	7.5	0.0	46.5	6	4.1	0.0	47.6	8	10.7	0.0	60.0
male	125	94,202	60	50.4	24.0	76.9	53	38.7	4.8	72.6	7	4.3	1.9	6.7	3	4.7	0.0	47.8	2	2.0	0.0	21.6
female	203	184,982	69	31.5	0.0	83.0	89	41.8	31.9	51.6	20	9.2	0.0	58.3	10	4.1	0.0	36.0	15	13.4	0.0	57.4
15-24 years	1	115	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	5	8,778	3	30.4	0.0	100.0	1	13.6	0.0	50.8	0	0.0	0.0	0.0	0	0.0	0.0	0.0	1	56.1	0.0	100.0
35-44 years	15	19,208	5	19.0	0.0	100.0	5	24.2	0.0	100.0	2	2.0	1.7	2.4	0				3	54.7	0.0	100.0
45-54 years	63	72,569	27	41.3	5.5	77.1	26	41.3	34.8	47.8	4	9.0	0.0	61.2	3	7.1	0.0	75.8	3	1.3	0.0	14.1
55-64 years	100	79,021	28	25.8	17.3	34.3	54	58.0	0.0	100.0	9	4.4	0.0	11.4	5	5.2	0.0	48.9	4	6.5	0.0	25.2
65-74 years	103	71,371	45	47.4	16.7	78.1	41	31.1	11.3	50.9	8	12.0	0.0	80.4	5	3.8	0.0	18.9	4	5.8	3.0	8.5
75-79 years	41	28,121	20	53.8	0.0	100.0	15	35.2	0.0	96.1	4	7.3	0.0	48.9	0				2	3.7	0.0	32.3
never attended school	27	24,839	13	34.7	0.0	71.3	6	24.6	0.0	55.9	3	14.5	0.0	72.7	3	8.0	0.0	100.0	2	18.2	0.0	68.3
pratoon 1-6	233	194,808	84	31.9	0.0	98.6	107	44.4	15.1	73.8	19	7.5	0.0	50.0	8	4.8	0.0	44.0	15	11.4	0.0	45.4
matayoom 1-6	49	40,810	22	57.2	54.7	59.6	21	34.9	28.9	40.9	4	6.1	0.0	17.8	2	1.8	0.0	9.9	0	0.0	0.0	0.0
college/certificate	8	9,359	5	86.0	28.4	100.0	2	11.0	0.0	79.2	1	3.0	0.0	13.5	0	0.0	0.0	0.0	0	0.0	0.0	0.0
university or upper	10	8,939	4	34.9	0.0	100.0	6	65.1	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	6	5,129	1	11.2	11.2	11.2	2	39.2	39.2	39.2	0	0.0	0.0	0.0	0	0.0	0.0	0.0	3	49.6	49.6	49.6
1-4,999 baht	145	109,900	55	40.0	15.2	64.7	69	48.3	48.2	48.5	10	5.5	0.0	32.2	7	3.1	0.0	11.1	4	3.0	0.0	9.3
5,000-9,999 baht	60	67,474	24	37.3	0.0	83.7	21	25.9	0.0	100.0	7	5.8	0.0	36.2	2	5.5	0.0	68.0	6	25.5	0.0	100.0
10,000 baht upper	71	60,495	24	29.2	0.0	83.3	34	48.7	0.0	100.0	7	11.4	0.0	51.9	4	7.9	0.0	100.0	2	2.8	0.0	18.3

