

## Executive Summary

The Information and Communication Technology Survey in Household has been undertaken since 2001. From 2003, the survey has been conducted annually in order to know the number of computer users, the number of Internet and mobile phone users, the behaviors of users, the number of household with information and communication technology devices such as fixed line telephone, computers, fax, and Internet access in households.

Viewing heads of households and members of households aged 6 years and over from 83,880 sample households, the survey can be concluded as the following:

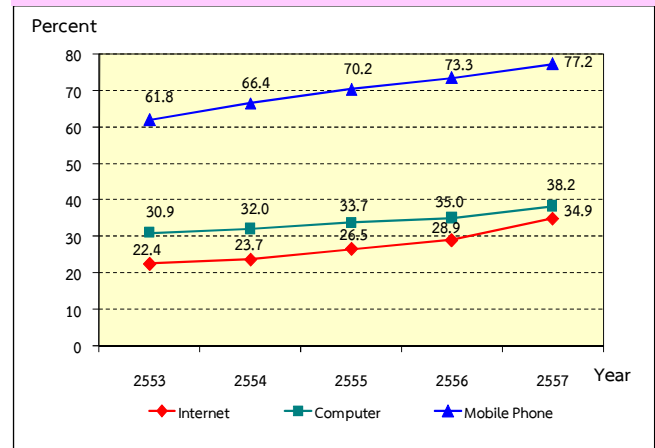
### 1. Use of computer Internet and mobile phone

In 2014, from 62.3 million of population aged 6 years and over, there were 23.8 million of computer users or 38.2%, 21.7 million of Internet users or 34.9% and 48.1 million of mobile users or 77.2%. Municipal area had higher proportion of computer, Internet, mobile phone users (47.8%, 44.9% and 83.9% respectively) than non-municipal area (30.4%, 26.9% and 71.8% respectively)

Comparing the proportion of computer, Internet and mobile phone users of population aged 6 years and over during 2010 – 2014, all of these had an increasing proportion of users especially computer had about 30.9% (19.1 million) in 2010 and increased to 38.2% (23.8 million) in 2014

and Internet had about 22.4% (13.8 million) in 2010 and increased to 34.9% (21.7 million) in 2014 and mobile phone had about 61.8% (38.2 million) and increased to 77.2% (48.1 million) in 2014.

Figure 1 Percentage of population aged 6 years and over used computer Internet and mobile phone 2010-2014



Although the proportion of using ICT had an increasing continuously, there are gap of ICT using between municipal and non-municipal area. During 2010 – 2014 the proportion of computer users in municipal area had 43.4% in 2010 and increased to 47.8% in 2014, while the proportion of computer users in non-municipal area had 25.2% in 2010 and increase to 30.4% in 2014, At the same time the proportion of Internet users in municipal area had increased from 35.1% in 2010 to 44.9% in 2014 and in non-municipal area had increased from 16.5% in 2010 to 26.9% in 2014, while the proportion of mobile phone users in municipal area had 72.2% in 2010 and increased to 83.9% in 2014 and in non-municipal area had 57.0% in 2010 and increased to 71.8% in 2014. (Table 1)

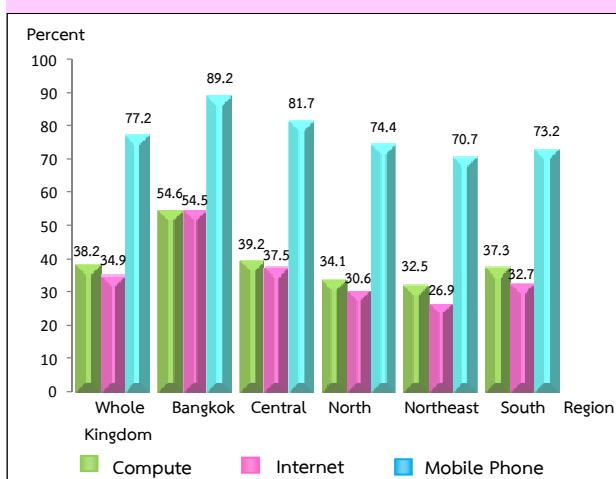
Table 1 Percentage of population aged 6 years and over used computer Internet and mobile phone 2010 - 2014 by area

year	Computer		Internet		Mobile Phone	
	Municipal area	Non-municipal area	Municipal area	Non-municipal area	Municipal area	Non-municipal area
2553	43.4	25.2	35.1	16.5	72.2	57.0
2554	44.3	25.5	36.0	17.2	74.8	62.0
2555	45.4	27.5	37.7	20.5	77.7	66.2
2556	46.3	29.1	39.9	23.2	80.0	69.8
2557	47.8	30.4	44.9	26.9	83.9	71.8

Considering ICT using by region in 2014, the proportion of using computer, Internet and mobile phone, Bangkok had the highest proportion of computer users at 54.6% and next was the Central region with 39.2%, Southern region with 37.3%, Northern region with 34.1% and Northeastern region had the lowest with 32.5%. For the using of Internet, Bangkok also had the highest proportion of users at 54.5% and the second region was the Central region at 37.5% Southern region at 32.7%, the Northern region was 30.6% and the Northeastern region had the lowest proportion at 26.9%.

For the using of mobile phone, Bangkok also had the highest proportion of users at 89.2%. Next was Central region at 81.7%, Southern region was 74.4%, Northern region was 70.7% and Northeastern region had the lowest proportion of users at 70.7%. (Figure 2)

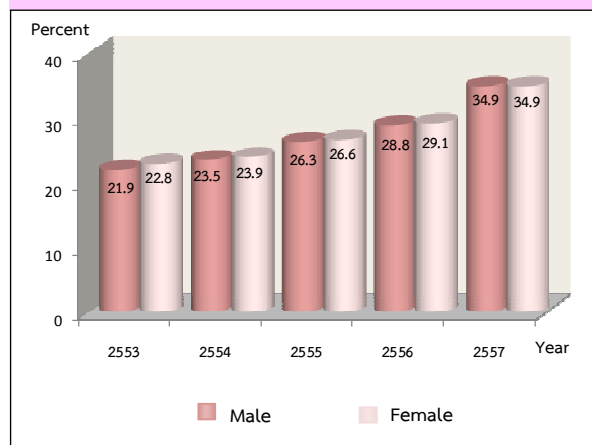
Figure 2 Percentage of population aged 6 years and over used computer, Internet and mobile phone by region



## 2. Characteristics and Behavior Internet usage

The proportion of using Internet between males and females is not difference during 2010–2014. Male used Internet at 21.9% in 2010 and increased at 34.9% in 2014. Female used Internet at 22.8% in 2010 and increased at 34.9% in 2014. (Figure 3)

Figure 3 Percentage of population aged 6 years and over used Internet during 2010 - 2014 by sex



Considering the Internet using by age group, in 2014 the youth age group between 15-24 years was the group that used Internet most at 69.7%. Next was the children in school age group between 6-14 years at 58.2%, the working age group between 25-34 years at 48.5%, age group between 35-49 years at 25.9% and age 50 years and over had the lowest proportion of Internet at 8.4%. (Table 2)

Table 2 Percentage of population aged 6 years and over used Internet during 2010 - 2014 by age group

Year	Age group (year)				
	6-14	15-24	25-34	35-49	50year+
2010	35.9	50.0	24.6	13.6	4.2
2011	38.3	51.9	26.6	14.3	5.5
2012	46.5	54.8	29.7	17.1	6.2
2013	54.1	58.4	33.5	18.7	6.6
2014	58.2	69.7	48.5	25.9	8.4

For the location of using Internet in 2014, most of persons used Internet at home at 63.9%. Next persons used Internet at place via a mobile cellular telephone at 53.4 %, at educational institution at 39.6%. Considering the activity of using Internet, Internet was used mostly to downloading movies listening radio or music 79.1%. Next was for play game/download game at 75.0%, Social Network

(Facebook, Twitter, Google Plus, Line, Instagram) at 73.9% and Trace news/ e-book at 51.1%. However, when considering frequency of using Internet, most of persons used Internet all most every day (5-7 days per week) at 59.6%. Next was used Internet frequently (1-4 days per week) at 37.4%.

### 3. Information and communication technology device in household

The survey of ICT household during 2010-2014, the proportion of fixed line telephone was 20.9% in 2010 and decreased to 14.4% in 2014, the proportion of fax was 1.7% in 2010 and increased to 2.2% in 2014, the proportion of computers was 22.8% in 2010 and increased to 33.9% in 2014, Internet access 11.4% in 2010 and increased to 34.7% in 2014. (Table 3)

In 2014, the household with Internet access primarily used fixed broadband at 45.0 % next was 3G (such as WCDMA, EV-DO)

Table 3 Percentage of household having information and communication technology devices 2010-2014

Year	Telephone	Fax	Computer	Internet
2010	20.9	1.7	22.8	11.4
2011	18.6	1.6	24.7	13.4
2012	15.6	1.7	26.9	18.4
2013	14.0	1.7	28.7	23.5
2014	14.4	2.2	33.9	34.7

at 40.3 % mobile wireless technology 2G, 2.5G (such as GSM, CDMA, GPRS) at 8.9% and Analogue modem, ISDN at 3.4%. (Table 4)

Table 4 Percentage of household with Internet access by type of Internet used and region

Region	Number of Household connected Internet (per thousand)	Type of Internet used				
		Narrowband		Broadband		Unsure
		Analogue modem, ISDN	Mobile wireless 2G, 2.5G (such as GSM, CDMA, GPRS)	Fixed broadband <sup>1/</sup>	Mobile wireless 3G (such as WCDMA, EV-DO)	
Whole Kingdom	100.0	3.4	8.9	45.0	40.3	2.4
Bangkok	100.0	3.0	3.4	56.0	35.6	2.0
Central	100.0	3.4	8.5	42.7	42.7	2.7
North	100.0	2.6	9.3	49.4	37.9	0.8
Northeast	100.0	4.1	13.0	37.0	43.4	2.6
South	100.0	3.6	13.4	38.8	40.1	4.1

Note : <sup>1/</sup> Fixed broadband include xDSL (SDSL, ADSL, VDSL), Cable modem, Leased line, Satellite, Fibre-to-the-home, Fixed wireless, WiMAX