

Executive Summary

The Household Survey on Information and Communication Technology (ICT) has been undertaken by the National Statistical Office (NSO) since 2001. From 2003 onwards, the NSO has been conducting this survey annually so as to obtain the information on ICT used by the households' members, i.e. computer, the Internet, mobile phone, fixed line phone, facsimile and household access to the Internet. This information can be used for evidence-based plan and policy of the Government to oversee and monitor the ICT situation of the country.

The survey was conducted by face-to-face interview with the household's heads and household's members, aged 6 years and over, of the total 83,880 sampled households throughout the country.

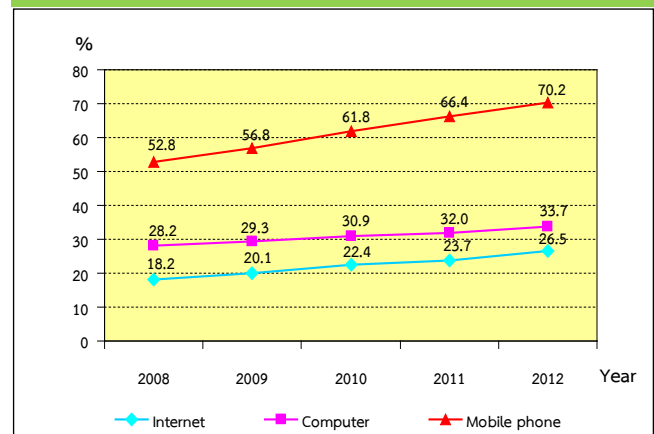
The 2012 survey results are as follows;

1. Use of computer, the Internet and mobile phone

In 2012, out of 62.9 million population, aged 6 years and over, there were 21.2 million or 33.7% using computer, about 16.6 million or 26.5% using the Internet and 44.1 million or 70.2% using the mobile phone. Comparing between areas, proportions of using computer, the Internet and mobile phone in municipal area were higher than in the non-municipal area; 45.4%, 37.7% and 77.7% compared to 27.5%, 20.5% and 66.2% respectively.

Comparing during 2008–2012, it was found that the tendency of using these kinds of ICT devices increased significantly. For example, the use of computer increased from 28.2% (17.0 million) in 2008 to 33.7% (21.2 million) in 2012, the use of the Internet and mobile phone, in particular, increased from 18.2% (11 million), 52.8% (31.9 million), in 2008 to 26.5% (16.6 million) and 70.2% (44.1 million) in 2012, respectively.

Figure 1 Population, aged 6 years and over using computer, the Internet and mobile phone, 2008-2012



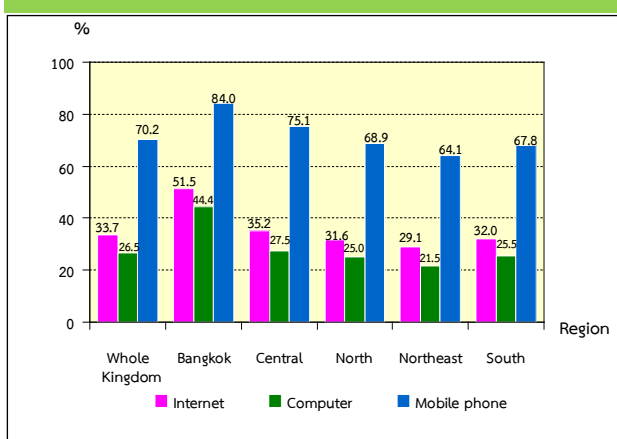
Although the proportions of the use of ICT devices increased continuously, there still were significant differences between two areas; municipal and non-municipal. Table 1 shows the different proportions of the population using ICT devices in the two areas.

Table 1 Population, aged 6 years and over using computer, the Internet and mobile phone, 2008 - 2012 by area

Year	Computer		the Internet		Mobile phone	
	Municipal area	Non-Municipal area	Municipal area	Non-Municipal area	Municipal area	Non-Municipal area
2008	39.2	23.3	29.0	13.4	65.7	47.1
2009	42.0	23.6	32.8	14.5	68.9	51.5
2010	43.4	25.2	35.1	16.5	72.2	57.0
2011	44.3	25.5	36.0	17.2	74.8	62.0
2012	45.4	27.5	37.7	20.5	77.7	66.2

Considering by region, in Bangkok, there were the highest proportion of the population using the ICT devices, of about 51.5%, followed by the Central, the Southern, the Northern and the Northeastern regions; 35.2%, 32.0%, 31.6% and 29.1% respectively. The use of the Internet and the mobile phone has got the same pattern, with 44.4% and 84.0%, 27.5% and 75.1%, 25.5% and 68.9%, 25.0% and 64.1% and 21.5% and 64.1% respectively. (Figure 2)

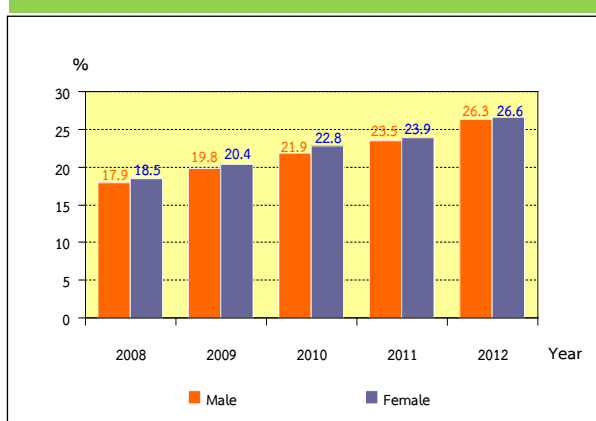
Figure 2 Population, aged 6 years and over, using computer, the Internet and mobile phone, by region



2. Characteristics and Behavior Internet usage

Differentiating by sex, It was found that there was not a big different proportions in using the Internet between male and female, during 2008–2012. (Figure 3)

Figure 3 Percentage of population aged 6 years and over used Internet during 2008 – 2012 by sex



By age group, the survey results showed that the youth group, aged 15–24 years old used the Internet with the highest proportion; 54.8%. The school-aged population (6–14 years old) used the Internet with 46.5%, it was noticeable that the older age, the less use of the Internet, i.e. working-aged group (25–34 years old), with 29.7%, 35–49 years old with 17.1% and 50 years old and over, with the least proportion in using the Internet; 6.2%. (Table 2)

Table 2 Population, aged 6 years and over, using the Internet, 2008 – 2012 by age group

Year	Age group (year)				
	6-14	15-24	25-34	35-49	50year+
2008	23.6	44.6	19.3	10.3	3.4
2009	29.0	47.3	21.5	11.9	4.0
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

For places of using the Internet in 2012, most of population used the Internet at home, with 50.6%, at educational institution; 47.3 % and at office; 30.7%. Activities in using the Internet, mostly were downloading movies, listening radio or music 64.6%. Playing or downloading games 64.1%, sending or receiving e-mail, 55.6%. However, when considering frequency of using the Internet, most of population used the Internet 1-4 days a week (53.5%), and about 40.6% used almost every day (5-7 days a week).

3. Information and communication technology device in household

During 2008-2012, the household survey on ICT illustrated that there were decreases in using of both fixed line telephone and facsimile; from 22.6% and 1.8% in 2008 to 15.6% and 1.7% in 2012

respectively. In contrast, there were increases of using computer and the Internet access from 19.6% and 8.6% in 2008 to 26.9% and 18.4% in 2012.

Table 3 Households with the ICT devices, 2008 -2012

Year	Number of household (in thousand)	% of households with ICT devices			
		Telephone	Fax	Computer	Internet
2008	18,279.8	22.6	1.8	19.6	8.6
2009	19,060.2	21.4	1.5	20.3	9.5
2010	19,644.9	20.9	1.7	22.8	11.4
2011	19,786.4	18.6	1.6	24.7	13.4
2012	20,025.4	15.6	1.7	26.9	18.4

In 2012, the household with Internet access primarily used fixed broadband, with 55.7%, Analogue modem, ISDN with 15.3%

mobile wireless technology 2G, 2.5G (such as GSM, CDMA,GPRS); 14.7% and 3G (such as WCDMA, EV-DO); 9.7%.

Table 4 Households with Internet access by type of Internet connection and region

Region	Number of households connected Internet (in thousand)	Type of Internet connection				
		Narrowband		Broadband		Do not know
		Analogue modem, ISDN	Mobile wireless 2G, 2.5G (Such as GSM, CDMA, GPRS)	Fixed broadband ^{1/}	Mobile wireless 3G (Such as WCDMA, EV-DO)	
Whole Kingdom	3,686.7	15.3	14.7	55.7	9.7	4.6
Bangkok	880.2	15.2	5.0	65.6	9.3	4.9
Central	1,094.1	17.1	13.5	50.7	14.5	4.2
North	603.3	9.5	17.9	64.7	4.7	3.2
Northeast	634.2	21.0	26.0	42.7	6.0	4.3
South	474.9	10.9	16.2	54.8	10.7	7.4

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