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PHILIPPINE STATISTICS AUTHORITY

SPECIAL RELEASE

Final Results

2013 Survey on Information and Communication Technology for Information Economy

For Core ICT Industries

The 2013 Survey of Information and Communication Technology (SICT) was conducted in 2014 primarily to collect and generate information on the access and utilization of ICT among establishments in the country for reference year 2013. The SICT adopted the Information Economy (IE) as its framework. IE is comprised of the Information and Communication Technology (ICT) sector and the Content and Media sector. For this Special Release, IE will refer to industries involved in producing and trading of ICT products, and those which primarily use ICT in providing products and services.

This Special Release presents the final results of the 2013 SICT for the core ICT indicators of the Information Economy (IE). Table 1 shows a comparison of the percentages of the core ICT indicators by industry classified as IE for reference years 2010 and 2013. The regional breakdown for the same indicators and reference years is presented in Table 2.

Survey results showed that there were 4,251 establishments classified as IE in 2013, an increase of 78.7 percent from 2,379 in 2010.

Almost ninety-nine percent of establishments use computer and other hardware; ninety-six percent report internet access

About 98.8 percent of the 4,251 IE establishments covered in the 2013 SICT used computer and other hardware in their business operations. This percentage was more than the 97.5 percent reported in 2010. All establishments under content and media sector reported 100 percent computer and other hardware usage. This is slightly higher compared to the 98.5 percent reported by the ICT sector.

All of the establishments under the following industries used computers and other hardware, these establishments are those engaged in:

- ICT manufacturing industries
- Software publishing
- Telecommunications services
- Computer programming, consultancy and related activities

- Data processing, hosting and related activities; web portals.

On the other hand, those engaged in repair of computers and communication equipment had the lowest percentage at 87.2 percent.

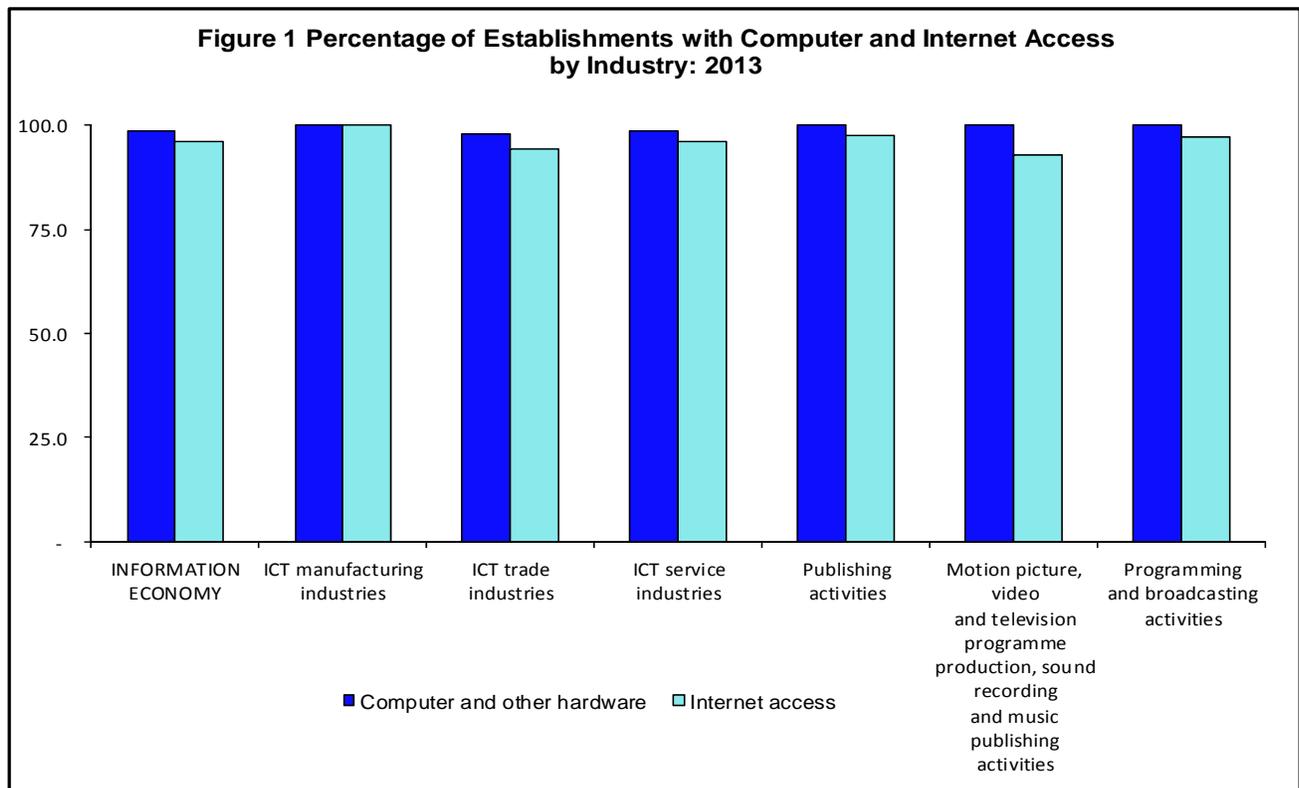
At the regional level for the same indicator, MIMAROPA, and Autonomous Region in Muslim Mindanao (ARMM) recorded the highest, with 100 percent. Caraga Region and Cordillera Administrative Region (CAR) had the lowest at 96.4 and 93.6 percent, respectively.

Establishments with internet access grew to 96.3 percent compared to 92.1 percent reported in 2010. The ICT sector (96.3%) had a slightly higher internet access compared to the content and media sector (96.2%). Software publishing registered 100 percent internet access for the two reference periods. Moreover, the following industries recorded 100 percent internet access in 2013:

- ICT manufacturing industries
- Computer programming, consultancy and related activities
- Data processing, hosting, and related activities: webportals

Furthermore, repair of computers and communication equipment reported the lowest internet access at 82.5 percent.

Among regions, internet access was present among 98.4 percent of establishments in Northern Mindanao, the region with the highest percentage of internet access while the lowest percentage was in MIMAROPA with 75.0 percent. Figure 1 shows the percentage of establishments with computer and internet access by industry.



About forty-seven percent of employees use computer routinely at work; thirty-eight percent routinely use computer with internet connection at work

Of the 371,520 IE employees, 46.6 percent used computer routinely at work in 2013. The percentage was lower than that in 2010 (48.5% of 303,882 employees). Those in the content and media sector (68.1%) had a higher percentage for this indicator compared to those in the ICT sector (44.6%).

Among IE industries, employees engaged in data processing, hosting and related activities; web portals had the highest percentage at 94.1 percent while those in ICT manufacturing industries had the lowest at 20.2 percent. At the national level, 38.2 percent of employees used computer with internet connection routinely at work, which is higher by 6.9 percentage points compared to the 2010 percentage of 31.3 percent. Employees in the content and media sector (59.0%) registered a higher percentage than those in the ICT sector (36.2%). Software publishing (92.6%) had the highest percentage of employees routinely using computer with internet access at work while employees of ICT manufacturing industries had the least percentage at 10.2 percent.

By region, CAR (85.6%) reported the highest percentage of employees routinely using computer at work while those in CALABARZON (20.6%) recorded the lowest. CAR (83.4%) and CALABARZON (9.3%) were also the regions with the highest and lowest percentage of employees using computers with internet access routinely at work.

More than one-fourth of establishments maintain website

Presence of a website was reported by 26.0 percent of establishments in 2013. The percentage went down from 38.7 percent in 2010. The content and media sector (26.6%) had a higher percentage with website than those in the ICT sector (25.9%). Among IE industries, software publishing (64.7%) had the highest percentage with website, while repair of computers and communication equipment (6.8%) had the lowest.

Almost half (44.9%) of the National Capital Region (NCR)-based establishments maintained website, the highest among regions, while there is no maintained website reported in Eastern Visayas.

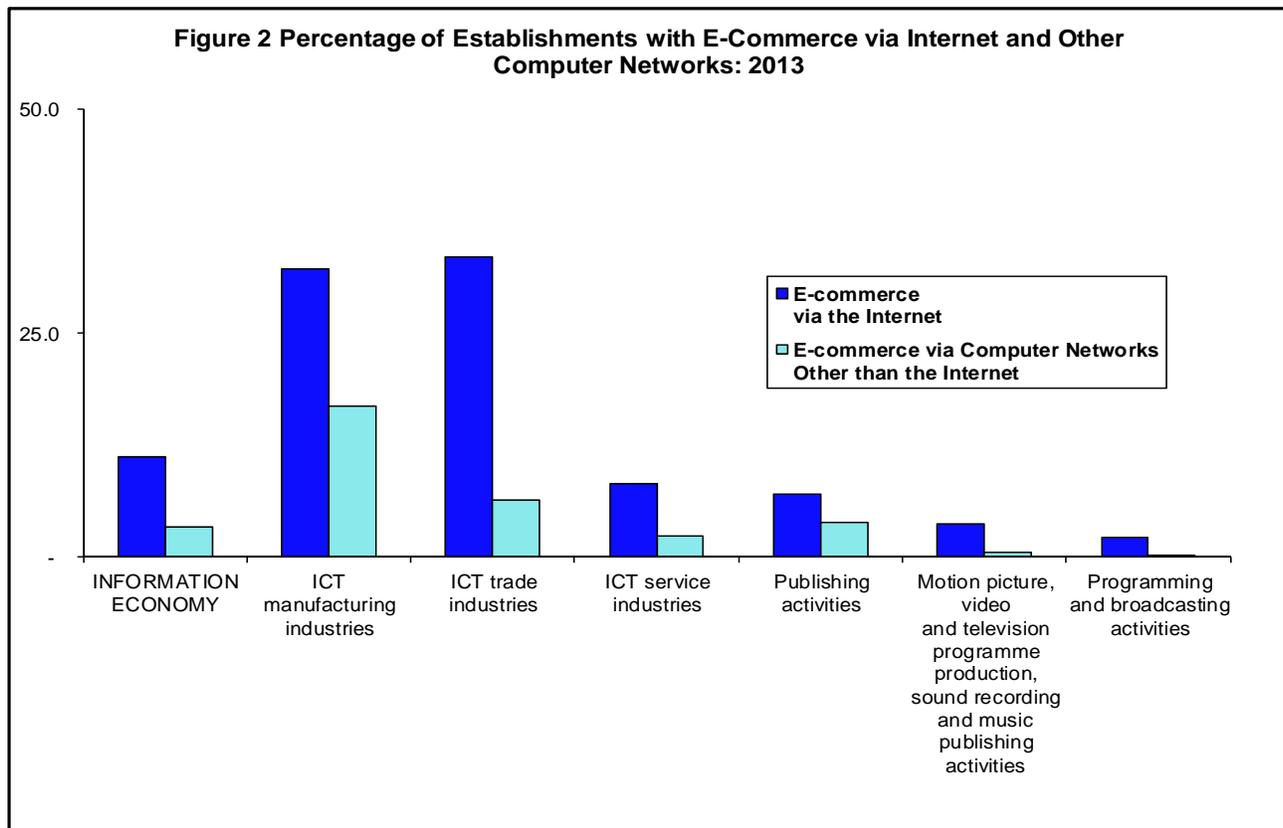
Eleven percent of establishments utilize the Internet for business

E-commerce is the process of buying or selling of goods and services through Internet protocol-based network. In 2013, E-commerce via the internet suffered a decrease reporting 11.1 percent which is 7.2 percentage points lower than the 18.3 percent reported in 2010.

The ICT sector (12.8%) had a higher percentage of establishments engaged in e-commerce via internet than those in the content and media sector (3.9%). ICT trade industries (33.5%) registered the highest percentage for this indicator and were followed by ICT manufacturing industries (32.1%). On the other hand, the lowest was recorded by programming and broadcasting activities at 2.3 percent.

Among regions, the highest utilization rate of 14.7 percent was recorded by the NCR-based establishments. In contrary, non-utilization was reported in both MIMAROPA and ARMM.

E-commerce can also be undertaken through computer networks other than the internet, in which only 3.4 percent of all the establishments reported having used the medium. In 2010, the percentage stood at 7.4 percent. The ICT sector exhibited higher percentage (3.9 %) compared to the content and media sector (1.4 %). Figure 2 shows the percentage of establishments with e-commerce via internet and other computer networks.



Nearly 16 percent of establishments do business through mobile phone

Cellular mobile phone is another medium that can be used in doing business. Of the total establishments, 15.4 percent used mobile phones in business transactions in 2013. This was lower than the 16.1 percentage reported in 2010.

The ICT sector surpassed the IE percentage at 15.9 percent while the content and media sector reported 13.3 percent. Repair of computers and communication equipment had 32.1 percent, the highest, engaged in this kind of transaction while software publishing reported no transaction using mobile phones.

ARMM (33.3%) reported the highest business transaction via cellular mobile phone and the lowest was in Eastern Visayas at 2.2 percent.

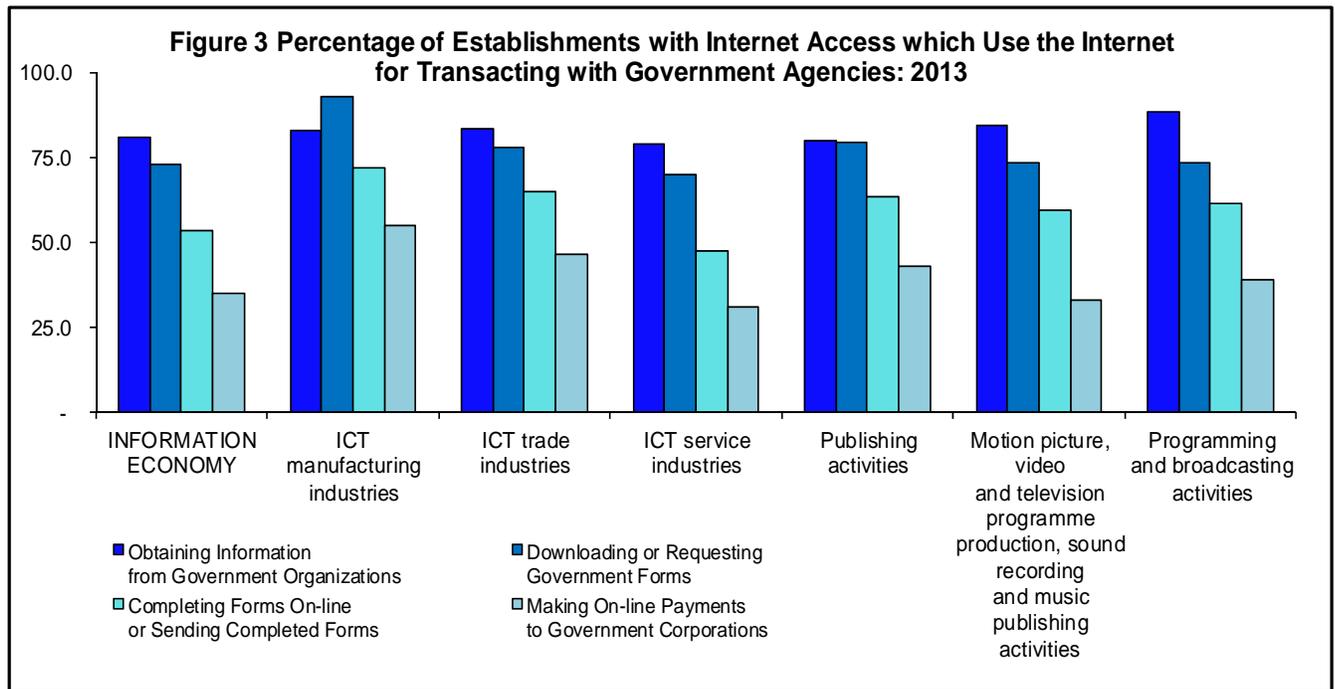
Internet used extensively in obtaining information from government organizations

Establishments also used the internet in obtaining information from government agencies as more government agencies maintained websites and more establishments have internet access in 2013. About 80.1 percent of the establishments used internet to obtain information from government organizations in 2013. It grew by than 10.7 percentage points compared to 70.0 percent reported in 2010. The content and media sector recorded a higher percentage than the IE at 85.0 percent while the ICT sector reflects a similar percentage of 79.7 percent, respectively. Computer programming, consultancy and related activities recorded the highest percentage of establishments performing the activity at 87.9 percent.

Downloading or requesting government forms was reported by 72.8 percent of establishments with internet access. The content and media sector at 75.1 percent was higher than those of the ICT sector with 72.3 percent. ICT manufacturing industries had the highest percentage among IE industries at 92.6 percent. This was followed by computer programming, consultancy and related activities (85.7%); and by data processing, hosting and related activities; web portals (85.6%).

Completing and sending forms on-line was the third activity mostly done by establishments with internet access as 53.1 percent of the establishments reported this activity. ICT manufacturing industries with 71.6percent, remained on top among industries of the IE.

Making on-line payments to government organizations was the least among the transactions done by the establishments with government organizations via the internet. About 35.1 percent of establishments reported this type of activity. More than half of the establishments (54.7%) in ICT manufacturing industries with internet access reported this type of activity, the highest among IE industries. Figure 3 shows the percentage of the establishments which use internet for transacting with government agencies.



Internet is used by establishments to share, distribute and obtain information

Sharing or distribution of information within the establishment (61.8%) and obtaining information from other organizations (51.5%) were the activities done mostly by establishments when transacting via the internet. Other activities consist of sharing or distribution of information with other organization (43.4%), internal or external recruitment (39.2%), finance accounting and auditing (31.2%), and staff training (29.0%).

Table 1 Core Information and Communication Technology Indicators for Information Economy: Philippines, 2010 and 2013

Industry	Number of Establishments		Percentage of Establishments with			
			Computer and Other Hardware		Internet access	
	2010	2013	2010	2013	2010	2013
	(1)	(2)	(3)	(4)	(5)	(6)
INFORMATION ECONOMY	2,379	4,251	97.5	98.8	92.1	96.3
INFORMATION AND COMMUNICATION SECTOR	1,760	3,434	97.6	98.5	92.9	96.3
ICT manufacturing industries	221	243	100.0	100.0	99.1	100.0
ICT trade industries	308	397	96.8	97.7	92.5	94.5
ICT service industries	1,231	2,794	97.3	98.5	91.9	96.2
Software publishing	25	17	100.0	100.0	100.0	100.0
Telecommunications Services	564	1,674	97.7	100.0	91.3	97.2
Computer Programming, consultancy and related activities	437	669	100.0	100.0	99.8	100.0
Data processing, hosting and related activities: web portals	90	97	98.9	100.0	97.8	100.0
Repair of computers and communication equipment	115	337	83.5	87.2	58.3	82.5
CONTENT AND MEDIA SECTOR	619	817	97.3	100.0	89.7	96.2
Publishing activities	162	228	98.8	100.0	92.0	97.4
Motion picture, video and television programme production, sound recording and music publishing activities	146	193	93.2	100.0	80.8	92.8
Programming and broadcasting activities	311	396	98.4	100.0	92.6	97.2

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
2013 SICT; Final Results
Philippine Statistics Authority

Table 1 Core Information and Communication Technology Indicators for Information Economy: Philippines, 2010 and 2013 *(Continued)*

Industry	Number of Employees		Percentage of Employees Using Computer			
			Routinely at Work		with Internet Connection Routinely at Work	
	2010	2013	2010	2013	2010	2013
	(7)	(8)	(9)	(10)	(11)	(12)
INFORMATION ECONOMY	303,882	371,520	48.5	46.6	31.3	38.2
INFORMATION AND COMMUNICATION SECTOR	281,292	340,049	47.5	44.6	29.9	36.2
ICT manufacturing industries	181,451	212,676	30.4	20.2	9.3	10.2
ICT trade industries	10,041	11,292	56.1	59.5	48.7	54.3
ICT service industries	89,800	116,081	81.3	87.8	69.4	82.2
Software publishing	1,369	924	91.5	92.6	91.0	92.6
Telecommunications Services	36,529	39,017	65.2	79.4	53.1	69.3
Computer Programming, consultancy and related activities	26,448	51,897	94.4	93.4	89.1	90.8
Data processing, hosting and related activities: web portals	23,785	20,438	91.7	94.1	71.7	89.3
Repair of computers and communication equipment	1,669	3,805	66.1	61.8	61.4	54.8
CONTENT AND MEDIA SECTOR	22,590	31,471	61.0	68.1	48.1	59.0
Publishing activities	8,586	13,334	62.5	74.7	45.9	64.7
Motion picture, video and television programme production, sound recording and music publishing activities	5,110	4,487	53.0	62.1	36.8	47.3
Programming and broadcasting activities	8,894	13,650	64.2	63.5	56.8	57.3

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
2013 SICT; Final Results
Philippine Statistics Authority

Table 1 Core Information and Communication Technology Indicators for Information Economy: Philippines, 2010 and 2013 *(Continued)*

Industry	Percentage of Establishments with					
	Web Presence		Intranet		Extranet	
	2010	2013	2010	2013	2010	2013
	(13)	(14)	(15)	(16)	(17)	(18)
INFORMATION ECONOMY	38.7	26.0	27.7	27.9	7.4	9.0
INFORMATION AND COMMUNICATION SECTOR	37.4	25.9	29.5	28.8	8.2	9.6
ICT manufacturing industries	33.5	37.9	47.1	37.5	9.0	11.5
ICT trade industries	38.6	38.0	21.8	23.7	5.8	5.0
ICT service industries	37.9	23.1	28.3	28.7	8.7	10.1
Software publishing	60.0	64.7	36.0	41.2	16.0	17.7
Telecommunications Services	17.7	9.3	16.7	21.1	5.1	6.2
Computer Programming, consultancy and related activities	65.9	62.0	43.2	49.8	12.8	18.1
Data processing, hosting and related activities: web portals	42.2	41.2	41.1	50.5	18.9	21.7
Repair of computers and communication equipment	21.7	6.8	16.5	18.1	0.9	10.1
CONTENT AND MEDIA SECTOR	42.3	26.6	22.5	24.0	4.8	6.5
Publishing activities	48.8	40.4	21.0	21.9	3.7	4.4
Motion picture, video and television programme production, sound recording and music publishing activities	37.0	25.4	25.3	28.5	2.7	4.2
Programming and broadcasting activities	41.5	19.2	21.9	23.0	6.4	8.8

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
2013 SICT; Final Results
Philippine Statistics Authority

Table 1 Core Information and Communication Technology Indicators for Information Economy: Philippines, 2010 and 2013 *(Continued)*

Industry	Percentage of Establishments with					
	With Wired Local Area Network		With Wireless Local Area Network		With Wide Area Network	
	2010	2013	2010	2013	2010	2013
	(19)	(20)	(21)	(22)	(23)	(24)
INFORMATION ECONOMY	29.1	47.4	15.2	32.5	16.5	18.7
INFORMATION AND COMMUNICATION SECTOR	28.3	49.3	16.5	34.9	17.6	19.3
ICT manufacturing industries	31.7	71.6	4.5	52.7	32.6	33.3
ICT trade industries	26.9	74.6	11.4	56.2	13.3	16.9
ICT service industries	28.0	43.8	20.0	30.3	15.9	18.4
Software publishing	12.0	29.4	24.0	35.3	16.0	23.5
Telecommunications Services	37.2	48.6	22.9	29.2	10.1	14.8
Computer Programming, consultancy and related activities	20.4	29.9	19.0	29.6	22.4	31.8
Data processing, hosting and related activities: web portals	28.9	34.0	23.3	28.9	33.3	30.9
Repair of computers and communication equipment	14.8	51.3	6.1	37.1	6.1	6.2
CONTENT AND MEDIA SECTOR	31.3	39.1	11.5	22.8	13.4	16.2
Publishing activities	28.4	35.1	11.7	26.8	9.9	12.7
Motion picture, video and television programme production, sound recording and music publishing activities	21.2	35.2	13.0	25.4	19.2	21.2
Programming and broadcasting activities	37.6	43.2	10.6	19.2	12.5	15.7

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
2013 SICT; Final Results
Philippine Statistics Authority

Table 1 Core Information and Communication Technology Indicators for Information Economy: Philippines, 2010 and 2013 *(Continued)*

Industry	Percentage of Establishments with					
	E-commerce via the Internet		E-commerce via Computer Networks Other than the Internet		Business Transaction via Cellular Mobile Phone	
	2010	2013	2010	2013	2010	2013
	(25)	(26)	(27)	(28)	(29)	(30)
INFORMATION ECONOMY	18.3	11.1	7.4	3.4	16.1	15.4
INFORMATION AND COMMUNICATION SECTOR	20.7	12.8	9.1	3.9	16.5	15.9
ICT manufacturing industries	18.6	32.1	14.9	16.9	11.3	15.2
ICT trade industries	32.8	33.5	18.2	6.3	30.5	22.9
ICT service industries	18.1	8.2	5.8	2.4	13.9	15.0
Software publishing	32.0	11.8	4.0	-	-	-
Telecommunications Services	8.2	4.7	2.3	1.0	12.8	11.4
Computer Programming, consultancy and related activities	31.1	18.7	10.1	6.1	13.0	16.7
Data processing, hosting and related activities: web portals	15.6	5.2	3.3	2.1	11.1	9.3
Repair of computers and communication equipment	16.5	5.9	8.7	2.7	27.8	32.1
CONTENT AND MEDIA SECTOR	11.3	3.9	2.6	1.4	14.9	13.3
Publishing activities	16.7	7.0	3.7	4.0	19.1	14.0
Motion picture, video and television programme production, sound recording and music publishing activities	9.6	3.6	2.7	0.5	6.8	6.2
Programming and broadcasting activities	9.3	2.3	1.9	0.3	16.4	16.4

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
 2013 SICT; Final Results
 Philippine Statistics Authority

Table 1 Core Information and Communication Technology Indicators for Information Economy: Philippines, 2010 and 2013 *(Continued)*

Industry	Percentage of Establishments which Used the Internet for					
	Finance Accounting and Auditing		Internal or External Recruitment		Staff Training	
	2010	2013	2010	2013	2010	2013
	(31)	(32)	(33)	(34)	(35)	(36)
INFORMATION ECONOMY	29.8	31.2	37.5	39.2	26.3	29.0
INFORMATION AND COMMUNICATION SECTOR	32.9	31.9	41.9	39.2	29.8	29.7
ICT manufacturing industries	52.5	42.8	53.9	50.2	35.2	28.0
ICT trade industries	33.7	36.8	43.9	45.1	28.4	28.5
ICT service industries	28.9	30.2	39.1	37.4	29.2	30.1
Software publishing	36.0	41.2	52.0	52.9	32.0	41.2
Telecommunications Services	19.2	26.2	21.4	25.7	17.9	22.2
Computer Programming, consultancy and related activities	39.0	40.4	58.0	66.1	41.3	48.0
Data processing, hosting and related activities: web portals	30.7	33.0	42.0	55.7	34.1	51.6
Repair of computers and communication equipment	32.8	27.3	43.3	29.9	29.9	24.8
CONTENT AND MEDIA SECTOR	20.7	28.2	24.7	38.8	16.0	26.0
Publishing activities	23.5	25.7	28.2	41.0	15.4	27.0
Motion picture, video and television programme production, sound recording and music publishing activities	20.3	28.5	25.4	42.5	9.3	16.2
Programming and broadcasting activities	19.4	29.6	22.6	35.8	19.1	29.9

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
2013 SICT; Final Results
Philippine Statistics Authority

Table 1 Core Information and Communication Technology Indicators for Information Economy: Philippines, 2010 and 2013 *(Continued)*

Industry	Percentage of Establishments which Used the Internet for					
	Sharing or Distribution of Information within the Establishment		Sharing or Distribution of Information with Other Organizations		Obtaining Information from Other Organizations	
	2010	2013	2010	2013	2010	2013
	(37)	(38)	(39)	(40)	(41)	(42)
INFORMATION ECONOMY	59.4	61.8	41.9	43.4	46.9	51.5
INFORMATION AND COMMUNICATION SECTOR	60.9	62.3	42.6	41.5	45.2	49.2
ICT manufacturing industries	52.5	64.2	48.4	51.4	32.9	50.2
ICT trade industries	47.7	40.5	48.1	42.4	53.7	53.3
ICT service industries	65.9	65.1	40.1	40.4	45.4	48.5
Software publishing	80.0	88.2	52.0	52.9	64.0	64.7
Telecommunications Services	58.1	62.3	27.8	37.2	34.8	44.2
Computer Programming, consultancy and related activities	76.1	79.7	53.2	54.9	55.5	57.4
Data processing, hosting and related activities: web portals	76.1	76.3	42.0	43.3	53.4	54.6
Repair of computers and communication equipment	40.3	41.4	43.3	23.0	44.8	49.3
CONTENT AND MEDIA SECTOR	54.8	59.9	39.8	51.4	51.9	61.1
Publishing activities	57.7	60.8	32.2	41.9	40.9	60.4
Motion picture, video and television programme production, sound recording and music publishing activities	54.2	64.3	30.5	53.1	35.6	52.5
Programming and broadcasting activities	53.5	57.4	47.6	56.1	64.2	65.5

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
2013 SICT; Final Results
Philippine Statistics Authority

Table 1 Core Information and Communication Technology Indicators for Information Economy: Philippines, 2010 and 2013 *(Continued)*

Industry	Percentage of Establishments which Used the Internet for			
	Obtaining Information from Government Organizations		Downloading or Requesting Government Forms	
	2010	2013	2010	2013
	(43)	(44)	(45)	(46)
INFORMATION ECONOMY	70.0	80.7	66.8	72.8
INFORMATION AND COMMUNICATION SECTOR	69.1	79.7	67.0	72.3
ICT manufacturing industries	92.2	82.7	79.9	92.6
ICT trade industries	72.6	83.2	77.5	77.6
ICT service industries	63.7	78.9	61.8	69.7
Software publishing	68.0	70.6	64.0	70.6
Telecommunications Services	55.0	75.1	53.2	65.0
Computer Programming, consultancy and related activities	70.4	87.9	70.2	85.7
Data processing, hosting and related activities: web portals	67.0	82.5	60.2	85.6
Repair of computers and communication equipment	82.1	79.1	74.6	53.2
CONTENT AND MEDIA SECTOR	72.8	85.0	66.1	75.1
Publishing activities	67.1	79.7	64.4	79.3
Motion picture, video and television programme production, sound recording and music publishing activities	62.7	84.4	61.0	73.2
Programming and broadcasting activities	79.9	88.3	69.1	73.5

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
2013 SICT; Final Results
Philippine Statistics Authority

Table 1 Core Information and Communication Technology Indicators for Information Economy: Philippines, 2010 and 2013 *(Concluded)*

Industry	Percentage of Establishments which Used the Internet for			
	Completing Forms On-line or Sending Completed Forms		Making On-line Payments to Government Corporations	
	2010	2013	2010	2013
	(47)	(48)	(49)	(50)
INFORMATION ECONOMY	45.1	53.1	28.7	35.1
INFORMATION AND COMMUNICATION SECTOR	46.2	51.1	30.2	34.2
ICT manufacturing industries	68.5	71.6	57.5	54.7
ICT trade industries	51.9	65.1	34.7	46.4
ICT service industries	40.5	47.3	23.8	30.7
Software publishing	44.0	58.8	28.0	29.4
Telecommunications Services	32.6	47.7	18.6	23.9
Computer Programming, consultancy and related activities	48.9	51.1	28.2	47.8
Data processing, hosting and related activities: web portals	43.2	42.3	28.4	43.3
Repair of computers and communication equipment	41.8	36.7	26.9	24.8
CONTENT AND MEDIA SECTOR	41.8	61.6	24.3	38.6
Publishing activities	43.0	63.5	24.8	42.8
Motion picture, video and television programme production, sound recording and music publishing activities	44.1	59.2	26.3	33.0
Programming and broadcasting activities	40.3	61.6	23.3	38.7

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
2013 SICT; Final Results
Philippine Statistics Authority

Table 2 Core Information and Communication Technology Indicators for Information Economy by Region: Philippines, 2010 and 2013

Industry	Number of Establishments		Percentage of Establishments with			
			Computer and Other Hardware		Internet access	
	2010	2013	2010	2013	2010	2013
	(1)	(2)	(3)	(4)	(5)	(6)
PHILIPPINES	2,379	4,251	97.5	98.8	92.1	96.3
National Capital Region	1,299	1,845	98.7	99.3	95.0	97.8
Cordillera Administrative Region	27	62	85.2	93.6	85.2	91.9
I - Ilocos Region	42	142	95.2	98.6	90.5	96.5
II - Cagayan Valley	33	87	84.8	97.7	63.6	95.4
III - Central Luzon	105	241	98.1	98.3	86.7	95.0
IV-A - CALABARZON	270	501	95.9	98.6	90.7	97.0
IV-B - MIMAROPA	32	60	87.5	100.0	71.9	75.0
V - Bicol Region	63	147	98.4	96.6	96.8	93.2
VI - Western Visayas	94	227	97.9	98.7	88.3	95.2
VII - Central Visayas	157	342	97.5	99.1	93.6	98.3
VIII - Eastern Visayas	31	91	90.3	97.8	80.6	91.2
IX - Zamboanga Peninsula	29	80	100.0	98.8	82.8	93.8
X - Northern Mindanao	60	126	100.0	99.2	88.3	98.4
XI - Davao Region	64	154	95.3	99.4	90.6	94.2
XII - SOCCSKSARGEN	40	85	95.0	97.7	85.0	91.8
XIII - Caraga Region	26	55	100.0	96.4	96.2	94.6
Autonomous Region in Muslim Mindanao	7	6	100.0	100.0	71.4	83.3

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
 2013 SICT; Final Results
 Philippine Statistics Authority

Table 2 Core Information and Communication Technology Indicators for Information Economy by Region: Philippines, 2010 and 2013 *(Continued)*

Industry	Number of Employees		Percentage of Employees Using Computer			
			Routinely at Work		with Internet Connection Routinely at Work	
	2010	2013	2010	2013	2010	2013
	(7)	(8)	(9)	(10)	(11)	(12)
PHILIPPINES	303,882	371,520	48.5	46.6	31.3	38.2
National Capital Region	106,733	133,085	72.9	80.4	62.3	74.8
Cordillera Administrative Region	4,207	2,836	72.4	85.6	48.3	83.4
I - Ilocos Region	461	1,750	64.4	80.1	56.2	75.4
II - Cagayan Valley	249	556	37.3	53.2	29.7	48.2
III - Central Luzon	20,372	28,545	33.3	27.1	17.1	17.2
IV-A - CALABARZON	131,518	153,561	33.1	20.6	8.8	9.3
IV-B - MIMAROPA	342	441	37.1	62.8	27.5	44.2
V - Bicol Region	1,059	1,408	63.7	69.0	38.4	64.5
VI - Western Visayas	1,085	2,166	51.6	84.5	37.1	73.4
VII - Central Visayas	33,636	41,274	35.6	41.0	23.2	33.6
VIII - Eastern Visayas	1,326	641	82.4	58.8	79.5	51.0
IX - Zamboanga Peninsula	231	682	53.2	58.8	42.4	45.6
X - Northern Mindanao	980	1,309	45.0	64.6	37.1	54.5
XI - Davao Region	813	1,815	60.6	70.2	54.2	64.2
XII - SOCCSKSARGEN	556	931	64.9	69.2	41.0	59.9
XIII - Caraga Region	220	380	55.9	56.6	47.7	46.3
Autonomous Region in Muslim Mindanao	61	49	67.2	53.1	37.7	30.6

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
 2013 SICT; Final Results
 Philippine Statistics Authority

Table 2 Core Information and Communication Technology Indicators for Information Economy by Region: Philippines, 2010 and 2013 *(Continued)*

Industry	Percentage of Establishments with					
	Web Presence		Intranet		Extranet	
	2010	2013	2010	2013	2010	2013
	(13)	(14)	(15)	(16)	(17)	(18)
PHILIPPINES	38.7	26.0	27.7	27.9	7.4	9.0
National Capital Region	48.7	44.9	30.9	32.1	8.4	10.8
Cordillera Administrative Region	22.2	12.9	18.5	21.0	7.4	9.7
I - Ilocos Region	33.3	4.2	31.0	30.3	7.1	7.8
II - Cagayan Valley	12.1	2.3	12.1	13.8	6.1	8.1
III - Central Luzon	26.7	14.1	23.8	27.4	4.8	9.5
IV-A - CALABARZON	27.8	19.4	34.8	34.3	6.7	7.8
IV-B - MIMAROPA	6.3	1.7	9.4	13.3	3.1	6.7
V - Bicol Region	15.9	6.8	15.9	17.0	4.8	5.4
VI - Western Visayas	26.6	7.5	16.0	16.7	5.3	5.3
VII - Central Visayas	39.5	19.9	31.8	32.5	10.2	10.8
VIII - Eastern Visayas	12.9	-	16.1	16.5	3.2	3.3
IX - Zamboanga Peninsula	17.2	1.3	3.4	10.0	3.4	3.8
X - Northern Mindanao	26.7	7.1	15.0	20.6	6.7	6.4
XI - Davao Region	34.4	9.1	15.6	18.2	3.1	5.2
XII - SOCCSKSARGEN	25.0	3.5	20.0	17.7	7.5	8.2
XIII - Caraga Region	15.4	9.1	7.7	16.4	-	10.9
Autonomous Region in Muslim Mindanao	14.3	33.3	28.6	33.3	14.3	16.7

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
 2013 SICT; Final Results
 Philippine Statistics Authority

Table 2 Core Information and Communication Technology Indicators for Information Economy by Region: Philippines, 2010 and 2013 *(Continued)*

Industry	Percentage of Establishments with					
	With Local Area Network		With Wireless Local Area Network		With Wide Area Network	
	2010	2013	2010	2013	2010	2013
	(19)	(20)	(21)	(22)	(23)	(24)
PHILIPPINES	29.1	47.4	15.2	32.5	16.5	18.7
National Capital Region	23.2	48.9	19.0	35.7	17.6	21.5
Cordillera Administrative Region	51.9	30.7	7.4	19.4	18.5	19.4
I - Ilocos Region	35.7	55.6	9.5	31.0	11.9	11.3
II - Cagayan Valley	21.2	41.4	6.1	20.7	3.0	10.3
III - Central Luzon	34.3	44.8	12.4	34.4	19.0	20.8
IV-A - CALABARZON	33.3	49.9	7.8	37.3	21.1	23.0
IV-B - MIMAROPA	43.8	50.0	6.3	25.0	3.1	15.0
V - Bicol Region	50.8	24.5	17.5	18.4	14.3	9.5
VI - Western Visayas	35.1	53.3	13.8	20.7	7.4	10.1
VII - Central Visayas	35.7	35.1	14.0	36.0	19.7	20.5
VIII - Eastern Visayas	38.7	60.4	6.5	19.8	6.5	11.0
IX - Zamboanga Peninsula	41.4	56.3	10.3	32.5	6.9	11.3
X - Northern Mindanao	33.3	57.1	13.3	23.8	10.0	11.1
XI - Davao Region	29.7	42.2	10.9	32.5	12.5	13.0
XII - SOCCSKSARGEN	42.5	52.9	7.5	25.9	17.5	16.5
XIII - Caraga Region	53.8	52.7	7.7	34.6	-	20.0
Autonomous Region in Muslim Mindanao	-	16.7	14.3	50.0	42.9	50.0

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
 2013 SICT; Final Results
 Philippine Statistics Authority

Table 2 Core Information and Communication Technology Indicators for Information Economy by Region: Philippines, 2010 and 2013 *(Continued)*

Industry	Percentage of Establishments with					
	E-commerce via the Internet		E-commerce via Computer Networks Other than the Internet		Business Transaction via Cellular Mobile Phone	
	2010	2013	2010	2013	2010	2013
	(25)	(26)	(27)	(28)	(29)	(30)
PHILIPPINES	18.3	11.1	7.4	3.4	16.1	15.4
National Capital Region	24.9	14.7	9.4	3.6	16.0	19.2
Cordillera Administrative Region	7.4	11.3	11.1	8.1	14.8	9.7
I - Ilocos Region	14.3	4.9	7.1	-	21.4	9.9
II - Cagayan Valley	-	4.6	-	2.3	21.2	9.2
III - Central Luzon	8.6	14.1	6.7	5.4	9.5	16.6
IV-A - CALABARZON	13.7	13.8	8.5	6.2	15.9	10.6
IV-B - MIMAROPA	-	-	-	-	28.1	15.0
V - Bicol Region	11.1	5.4	3.2	2.0	17.5	13.6
VI - Western Visayas	5.3	6.2	1.1	0.4	14.9	12.8
VII - Central Visayas	22.3	7.6	5.7	3.5	14.0	15.2
VIII - Eastern Visayas	-	7.7	-	2.2	19.4	2.2
IX - Zamboanga Peninsula	3.4	3.8	-	3.8	13.8	8.8
X - Northern Mindanao	1.7	4.8	1.7	2.4	5.0	20.6
XI - Davao Region	6.3	6.5	3.1	1.3	17.2	12.3
XII - SOCCSKSARGEN	2.5	3.5	-	-	30.0	7.1
XIII - Caraga Region	11.5	7.3	7.7	1.8	26.9	14.6
Autonomous Region in Muslim Mindanao	14.3	-	14.3	-	28.6	33.3

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
 2013 SICT; Final Results
 Philippine Statistics Authority

Table 2 Core Information and Communication Technology Indicators for Information Economy by Region: Philippines, 2010 and 2013 *(Continued)*

Industry	Percentage of Establishments which Used the Internet for					
	Finance Accounting and Auditing		Internal or External Recruitment		Staff Training	
	2010	2013	2010	2013	2010	2013
	(31)	(32)	(33)	(34)	(35)	(36)
PHILIPPINES	29.8	31.2	37.5	39.2	26.3	29.0
National Capital Region	31.5	32.9	44.0	49.9	28.1	32.9
Cordillera Administrative Region	26.1	26.3	26.1	26.3	26.1	26.3
I - Ilocos Region	21.1	21.9	18.4	19.0	26.3	27.0
II - Cagayan Valley	14.3	22.9	19.0	19.3	9.5	16.9
III - Central Luzon	36.3	37.1	36.3	37.1	36.3	36.7
IV-A - CALABARZON	44.1	44.9	44.1	44.7	28.6	29.2
IV-B - MIMAROPA	13.0	17.8	13.0	13.3	13.0	13.3
V - Bicol Region	11.5	17.5	26.2	26.3	18.0	18.3
VI - Western Visayas	12.0	19.0	20.5	20.8	19.3	19.4
VII - Central Visayas	30.6	32.4	34.0	36.9	27.2	31.6
VIII - Eastern Visayas	16.0	16.9	20.0	20.5	16.0	16.9
IX - Zamboanga Peninsula	16.7	32.0	8.3	22.7	8.3	22.7
X - Northern Mindanao	18.9	16.1	17.0	18.6	20.8	16.9
XI - Davao Region	22.4	27.6	17.2	33.1	15.5	24.8
XII - SOCCSKSARGEN	17.6	32.1	17.6	23.1	29.4	29.5
XIII - Caraga Region	16.0	17.3	12.0	15.4	12.0	21.2
Autonomous Region in Muslim Mindanao	20.0	20.0	20.0	20.0	20.0	20.0

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
 2013 SICT; Final Results
 Philippine Statistics Authority

Table 2 Core Information and Communication Technology Indicators for Information Economy by Region: Philippines, 2010 and 2013 *(Continued)*

Industry	Percentage of Establishments which Used the Internet for					
	Sharing or Distribution of Information within the Establishment		Sharing or Distribution of Information with Other Organizations		Obtaining Information from Other Organizations	
	2010	2013	2010	2013	2010	2013
	(37)	(38)	(39)	(40)	(41)	(42)
PHILIPPINES	59.4	61.8	41.9	43.4	46.9	51.5
National Capital Region	65.2	65.7	42.5	45.5	48.5	51.7
Cordillera Administrative Region	56.5	63.2	34.8	35.1	60.9	61.4
I - Ilocos Region	42.1	42.3	47.4	48.2	68.4	68.6
II - Cagayan Valley	38.1	56.6	47.6	49.4	28.6	42.2
III - Central Luzon	68.1	69.9	44.0	45.0	38.5	49.3
IV-A - CALABARZON	49.4	63.6	44.5	45.1	40.8	47.9
IV-B - MIMAROPA	39.1	40.0	34.8	35.6	39.1	35.6
V - Bicol Region	54.1	70.1	36.1	37.2	54.1	54.0
VI - Western Visayas	44.6	44.9	30.1	30.6	37.3	46.3
VII - Central Visayas	60.5	61.6	42.9	44.6	42.9	47.6
VIII - Eastern Visayas	44.0	51.8	40.0	19.3	36.0	56.6
IX - Zamboanga Peninsula	50.0	72.0	29.2	46.7	54.2	54.7
X - Northern Mindanao	43.4	44.4	30.2	30.7	43.4	43.6
XI - Davao Region	51.7	53.8	44.8	45.5	41.4	52.4
XII - SOCCSKSARGEN	58.8	61.5	52.9	55.1	70.6	71.8
XIII - Caraga Region	36.0	65.4	40.0	40.4	68.0	67.3
Autonomous Region in Muslim Mindanao	80.0	80.0	80.0	80.0	60.0	80.0

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
 2013 SICT; Final Results
 Philippine Statistics Authority

Table 2 Core Information and Communication Technology Indicators for Information Economy by Region: Philippines, 2010 and 2013 *(Continued)*

Industry	Percentage of Establishments which Used the Internet for			
	Obtaining Information from Government Organizations		Downloading or Requesting Government Forms	
	2010	2013	2010	2013
	(43)	(44)	(45)	(46)
PHILIPPINES	70.0	80.7	66.8	72.8
National Capital Region	66.0	83.1	68.3	79.1
Cordillera Administrative Region	69.6	84.2	65.2	80.7
I - Ilocos Region	76.3	77.4	63.2	64.2
II - Cagayan Valley	57.1	83.1	52.4	63.9
III - Central Luzon	79.1	76.0	64.8	65.9
IV-A - CALABARZON	86.1	86.0	75.9	77.0
IV-B - MIMAROPA	78.3	84.4	65.2	66.7
V - Bicol Region	62.3	75.2	55.7	57.7
VI - Western Visayas	74.7	75.5	55.4	55.6
VII - Central Visayas	69.4	78.6	64.6	72.0
VIII - Eastern Visayas	72.0	72.3	64.0	65.1
IX - Zamboanga Peninsula	54.2	61.3	50.0	52.0
X - Northern Mindanao	67.9	79.8	52.8	71.8
XI - Davao Region	70.7	73.8	60.3	67.6
XII - SOCCSKSARGEN	85.3	85.9	73.5	74.4
XIII - Caraga Region	72.0	71.2	56.0	51.9
Autonomous Region in Muslim Mindanao	80.0	80.0	80.0	80.0

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
 2013 SICT; Final Results
 Philippine Statistics Authority

Table 2 Core Information and Communication Technology Indicators for Information Economy by Region: Philippines, 2010 and 2013 *(Concluded)*

Industry	Percentage of Establishments which Used the Internet for			
	Completing Forms On-line or Sending Completed Forms		Making On-line Payments to Government Corporations	
	2010	2013	2010	2013
	(47)	(48)	(49)	(50)
PHILIPPINES	45.1	53.1	28.7	35.1
National Capital Region	47.3	60.4	29.3	41.4
Cordillera Administrative Region	30.4	45.6	17.4	22.8
I - Ilocos Region	42.1	46.7	23.7	24.1
II - Cagayan Valley	19.0	28.9	14.3	19.3
III - Central Luzon	46.2	46.7	36.3	37.6
IV-A - CALABARZON	59.2	60.3	44.1	44.4
IV-B - MIMAROPA	47.8	48.9	13.0	15.6
V - Bicol Region	31.1	42.3	13.1	20.4
VI - Western Visayas	25.3	37.0	14.5	18.5
VII - Central Visayas	46.3	48.5	32.0	33.6
VIII - Eastern Visayas	32.0	32.5	20.0	20.5
IX - Zamboanga Peninsula	29.2	38.7	12.5	26.7
X - Northern Mindanao	34.0	45.2	18.9	21.8
XI - Davao Region	27.6	48.3	17.2	26.2
XII - SOCCSKSARGEN	38.2	55.1	20.6	28.2
XIII - Caraga Region	24.0	32.7	12.0	19.2
Autonomous Region in Muslim Mindanao	80.0	80.0	60.0	60.0

Source: 2010 Survey on Information and Communication Technology (SICT); Final Results
2013 SICT; Final Results
Philippine Statistics Authority