

Official Concepts and Definitions for Statistical Purposes
Information and Communications Technology Sector - Batch 2

	Term	Definition	Formula	Main reference/s	Some notes on the definition	Related indicators	Frequency of data	Existing Disaggregation	Source of data
1	Student-to-computer ratio	The number of pupils/students per computer in public and private primary and secondary schools	<p>Primary (public and private):</p> $\frac{\text{Total number of pupils in a particular period}}{\text{Total number of computers for pupils' use in the same period}}$ <p>Secondary (public and private):</p> $\frac{\text{Total number of students in a particular period}}{\text{Total number of computers for students' use in the same period}}$	Partnership on Measuring ICT for Development (Indicator ED4 - 2009)	To measure the possibilities available for the use of computers in schools to promote or expand computer-assisted instruction (CAI)		Annual	National; primary, secondary; public schools	DepEd
2	Proportion of ICT-qualified teachers in primary and secondary schools	The number of teachers in public and private primary and secondary schools who have received ICT training as a percentage of the total number of teachers at these levels of education	<p>Primary (public and private):</p> $\frac{\text{Number of primary school teachers with ICT training in a particular period}}{\text{Total number of primary school teachers in the same period}} \times 100$ <p>Secondary (public and private):</p> $\frac{\text{Number of secondary school teachers with ICT training in a particular period}}{\text{Total number of secondary school teachers in the same period}} \times 100$	Partnership on Measuring ICT for Development (Indicator ED8 - 2009)	ICT training that meets the CICT-DepEd National ICT Competency Standard for Teachers (NICS for Teachers)		Annual	National; primary, secondary; public schools	DepEd
<p>Note: Data can be made available upon request. The IACICTS requested DepEd to regularly compile and generate this indicator starting 2009.</p>									

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3	Mobile cellular telephone subscribers	Users of portable telephones subscribing to a public mobile telecommunication service using cellular technology.	$\frac{\text{Number of mobile cellular telephone subscribers in a particular period}}{\text{Population in the same period}} \times 100$	Partnership on Measuring ICT for Development (Indicator A2-2009)		Number of mobile cellular telephone subscribers per 100 population (MCTS density)	Annual	National; prepaid, postpaid; by operator	NTC
4	Proportion of population covered by mobile cellular network	Population covered by mobile cellular network signal as a percentage of the total population	$\frac{\text{Population in an area covered by a mobile cellular network signal in a particular period}}{\text{Total population of the area in the same period}} \times 100$	Partnership on Measuring ICT for Development (Indicator A7-2009)	This measures the ability to use mobile cellular services if one has a cellular telephone and a subscription.		Annual	National, Region, Province; by operator	NTC
5	Proportion of municipalities /cities covered by mobile cellular network	The number of municipalities/cities covered by mobile cellular network signal as a percentage of the total number of municipalities/cities	$\frac{\text{Number of municipalities/cities covered by mobile cellular network signal in a particular period}}{\text{Total number of municipalities/cities in the same period}} \times 100$	Patterned from the definition of the indicator "Percentage of population covered by mobile cellular network"			Annual	National, Region, Province; by operator	NTC
6	Mobile commerce (m-Commerce)	Transactions that take place over mobile networks where the buyer and seller are remote from each other.		International Telecommunication Union (ITU)		1. Number of establishments placing/receiving orders for goods and services via cellular mobile phone, by type of m-Commerce service (e.g., m-banking, m-remittance, m-payment) 2. Number of m-Commerce users, by type of m-Commerce service, by operator	Annual	National; by operator; by type of m-Commerce service	NSO NTC

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7	E-government	The use of new information and communication technologies by governments as applied to government functions.		Organisation for Economic Co-Operation and Development (OECD)	The networking capabilities offered by the Internet and related technologies which have the potential to transform the structures and operation of government.	1. Number of national government agencies and LGUs with web presence/online services 2. Number of national government agencies with SMS facility	Annual	National, Province, City, HUCs	NCC
8	Open source software	Computer software that makes the source code available under terms that allow for modification and redistribution without having to pay the original author.		2007 EUROSTAT Community Survey on ICT Usage and E-commerce in Enterprise		1. Number of free/open source software developed by Filipinos. 2. Number of government agencies/ businesses using free/open source software.	Annual	National	DOST NCC NSO

Note:

Partnership on Measuring ICT for Development is an international, multi-stakeholder initiative to improve the availability and quality of ICT data and indicators, particularly in developing countries. It was launched in June 2004, on the occasion of UNCTAD XI.

Current partners include ITU, OECD, UNCTAD, the UNESCO Institute for Statistics, the UN Regional Commissions (UNECLAC, UNESCWA, UNESCAP, UNECA), the World Bank, and EUROSTAT. The UN ICT Task Force was a member of the Partnership until the end of its mandate in 2005. The Partnership Steering committee is composed of ITU, UNCTAD and UNECLAC.

Sources:

UNESCO definition of E-Governance found in UNESCO Website: http://portal.unesco.org/ci/en/ev.php-URL_ID=2179&URL_DO=DO_TOPIC&URL_SECTION=201.html

OECD definition of E-government found in OECD Glossary of Terms Website: <http://stats.oecd.org/glossary/detail.asp?ID=4752>

Revisions and Additions to the Core List of ICT Indicators, 2009, Partnership on Measuring ICT for Development, UN

ITU definition on mobile commerce found in ITU Glossary Website: <http://www.itu.int/osg/spu/imt-2000/SPU%20Mobile%20Glossary%202003.pdf>

Community Survey on ICT Usage and E-commerce in Enterprise, 2007, Eurostat

Acronyms:

DepEd - Department of Education

NSO - National Statistics Office

NCC - National Computer Center

NTC - National Telecommunications Commission

CICT - Commission on Information and Communication Technology

DOST - Department of Science and Technology

HUC(s) - Highly Urbanized City (ies)