

The State of Latin American Information Society Indicators

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International Telecommunication Union

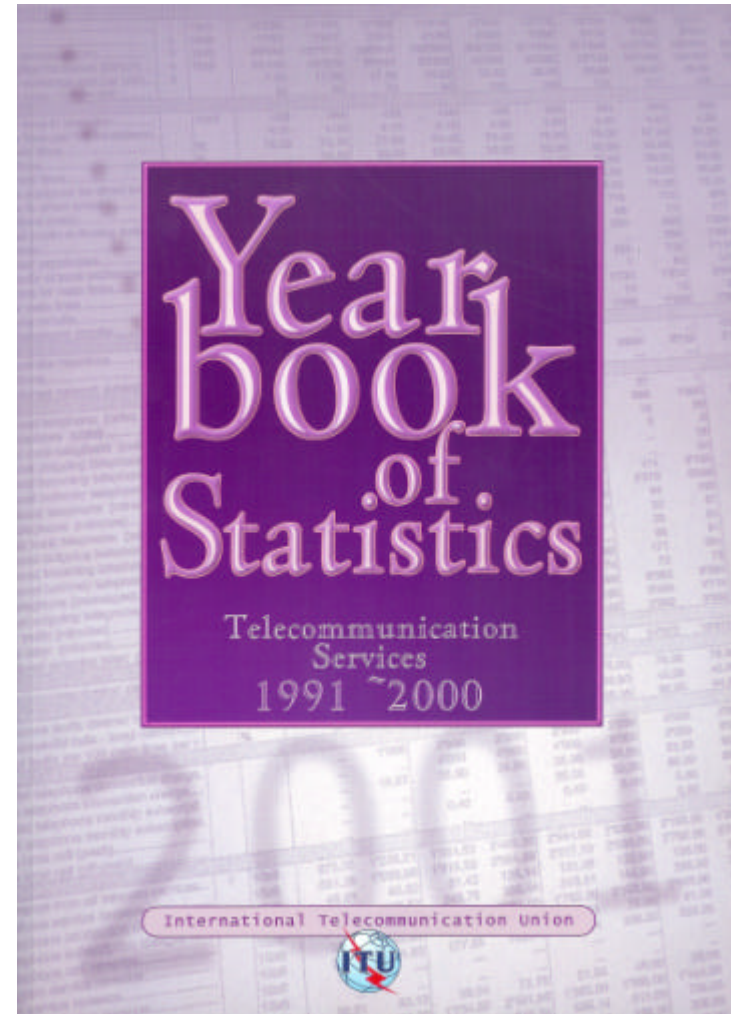




International Telecommunication Union

- United Nations specialized agency for telecommunications
- Oldest inter-governmental organization
- Global organization with broad membership
- Mandate includes promoting the development of ICT sector worldwide
- Main inter-governmental agency collecting ICT *infrastructure and user* statistics for all countries and regions

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The importance of Information Society indicators

- Need up-to-date, relevant and comparable statistics to monitor and analyze Information Society developments
- Indicators should be readily available so that more time can be spent on analysis
- Although many indicators are useful, this presentation focuses on *access* to Information & Communication Technology (ICT)





Sources of Information Society indicators

- Telecom regulators
- National statistical offices
- Telecom operators
- Market research firms



Classifying Information Society indicators

	National	Household	Community
Radio	Sets	Radio	
Television	Sets	Television (regular, pay)	
Fixed telephone	Lines in service	Fixed only	Localities with service
Mobile telephone	Subscribers	Mobile only	Population coverage
Total telephone	Fixed+Mobile	Fixed or mobile	
Personal computer	Total	PC	
Internet	Subscribers Users	Home Internet access (connection type)	Number of / Localities with public access



Problems with Latin American ICT statistics

- Hard to find
 - In many cases, not readily available
- Non-existent
 - Few countries have carried out detailed ICT surveys
- Reliability
 - Particularly for PCs and Internet users



Regulatory agencies: South America

Availability of telecom/ICT indicators

Country	Regulator		Web site
Argentina	Secom	☺	secom.psi.gov.ar/municipios/ver.asp?MID=10&tipo=nota&id=141
Bolivia	Sittel	☺	www.sittel.gov.bo/sittel/sercon.nsf/(\$All)?OpenView
Brazil	Anatel	☹	www.anatel.gov.br/indicadores/default.asp
Chile	Subtel	☺	www.subtel.cl/servlet/page?_pageid=58&_dad=portal30&_schema=PORTAL30
Colombia	CRT	☺	www.crt.gov.co/paginas/internas/infsector/ppal.htm
Ecuador	Supertel	☺	www.supertel.gov.ec/ecuador/ecuador2.htm
Paraguay	Conatel	☹	www.conatel.gov.py/indicadores.htm
Peru	Osiptel	☺	www.osiptel.gob.pe/Index.ASP?T=P&P=2635
Uruguay*	Ursec	☹	www.ursec.gub.uy/home.htm
Venezuela	Conatel	☺	www.conatel.gov.ve/ns/index.htm

* No ICT indicators available on web site.



Regulatory agencies: Central America

Availability of telecom/ICT indicators

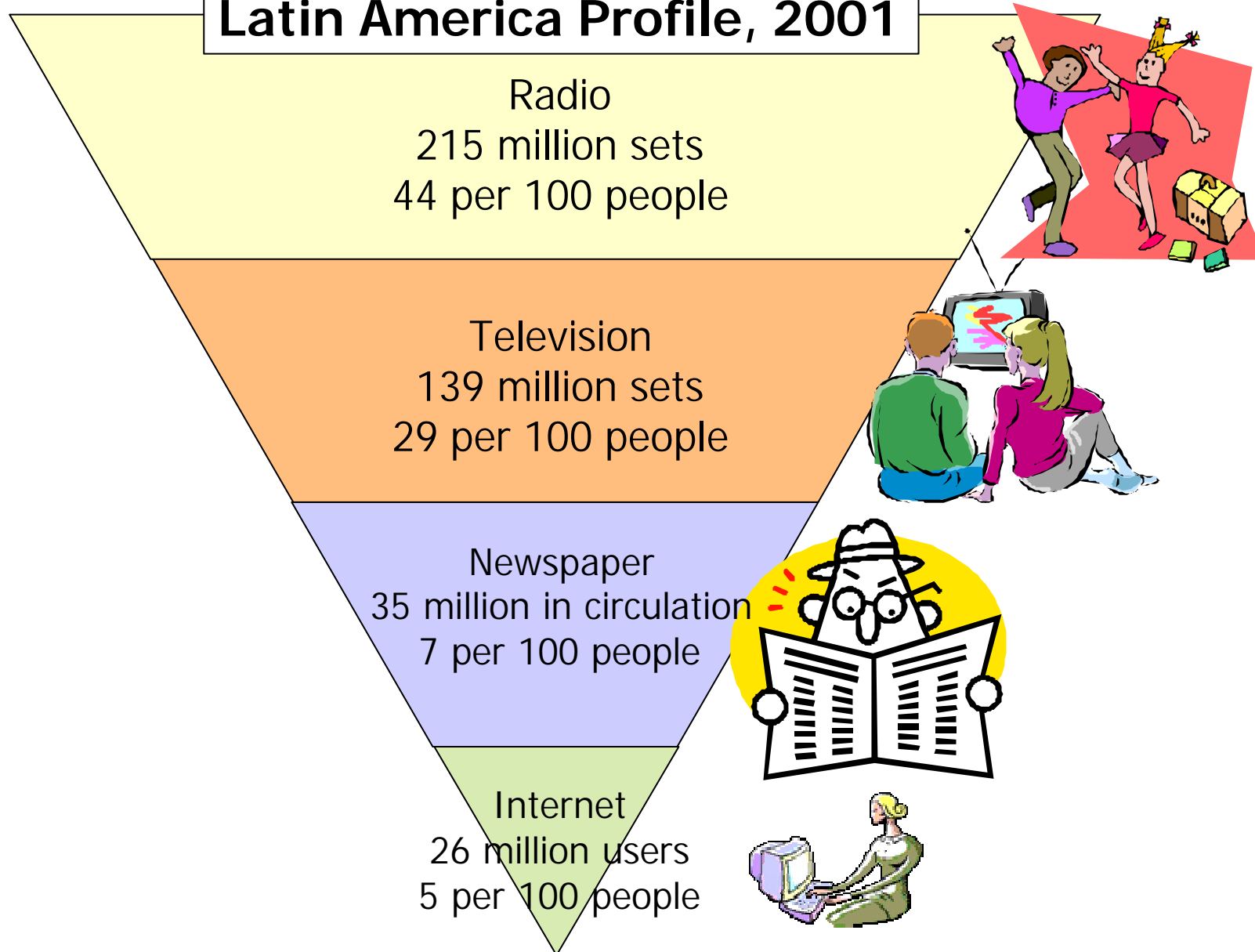
Country	Regulator		Web site
Costa Rica*	ARESP	☹	www.aresp.go.cr
El Salvador	SIGET	☺	http://www.siget.gob.sv/Resumen%20Manual%20de%20Indicadores%201998%201999%202000%202001%202002.htm
Guatemala	SIT	☺	www.sit.gob.gt/ger_regula_06.htm
Honduras	Conatel	☺	www.conatel.hn/EstadoTelcoms/estado_telecoms_hond_2000.htm
Nicaragua	Telcor	☺	www.telcor.gob.ni/Estadisticas.asp
Mexico	CFT	☺	http://www.cft.gob.mx/frame_economico_estadisticas.html
Panama	Ente regulador	☺	www.enteregulador.gob.pa/estadisticas.asp

* No ICT indicators available on web site.



General ICT indicators

Latin America Profile, 2001

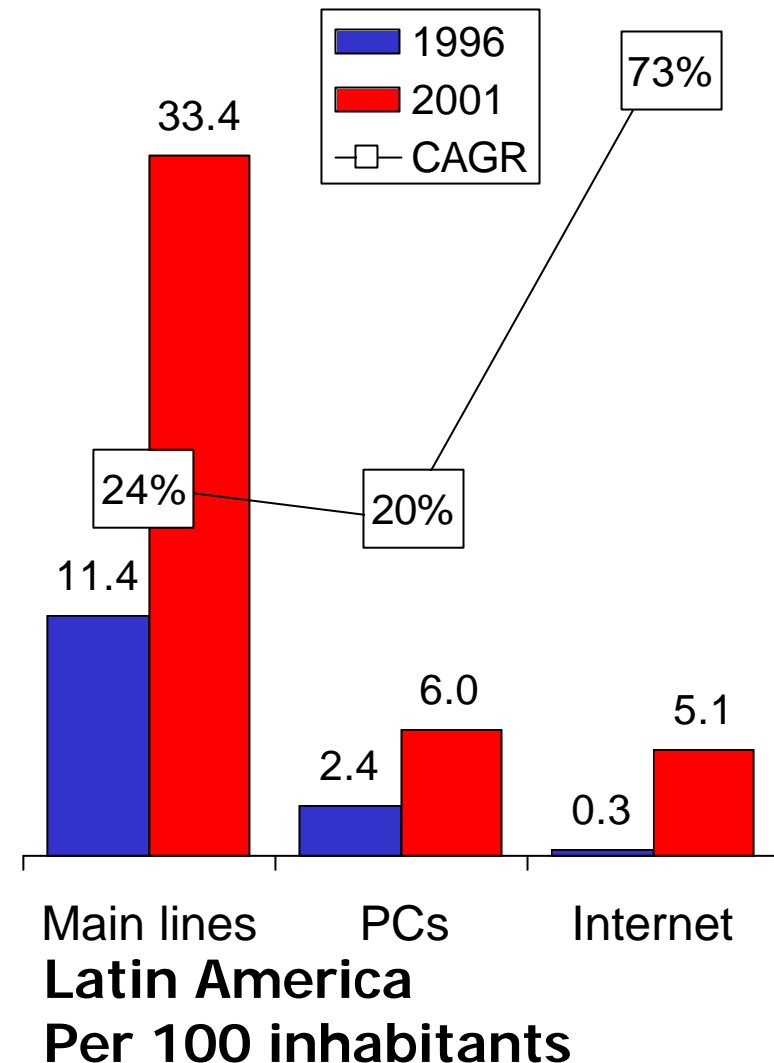




Millennium Development Goals

Goal 8: Build a global partnership for development... includes ICT indicators:

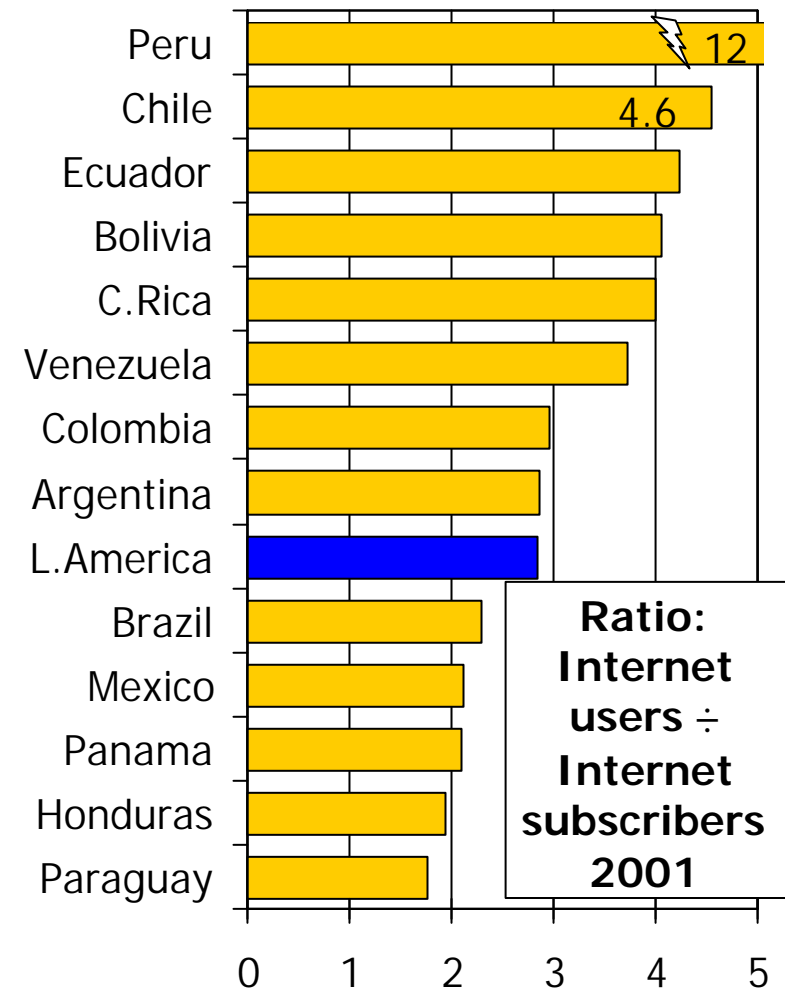
- Telephone lines and cellular subscribers per 100 people
- Personal computers in use per 100 people
- Internet users per 100 people





Internet users: Where do the data come from?

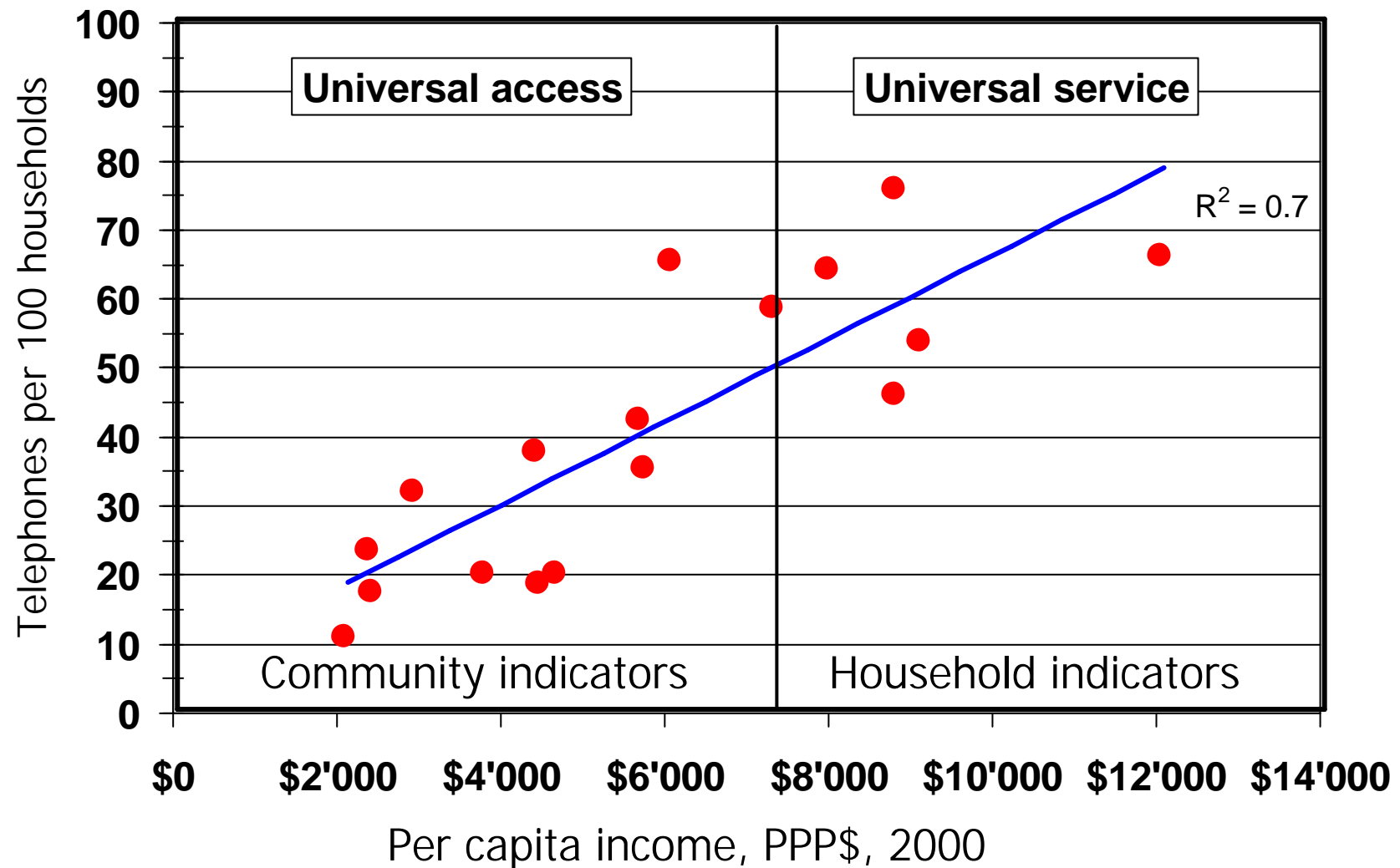
- In majority of countries, regulators offer a figure for users usually based on number of subscribers
- In Uruguay, the telecom operator provides a figure
- Only Chile & Paraguay seem to have carried out nationwide survey by NSO
- Market researchers
 - Nielsen//NetRatings
 - **Very** misleading (only home access)
 - Local consultancies
 - Only Argentina, Brazil, Mexico
 - Argentina, Mexico, Peru
 - Sometimes not nationwide



Source: ITU adapted from national data.

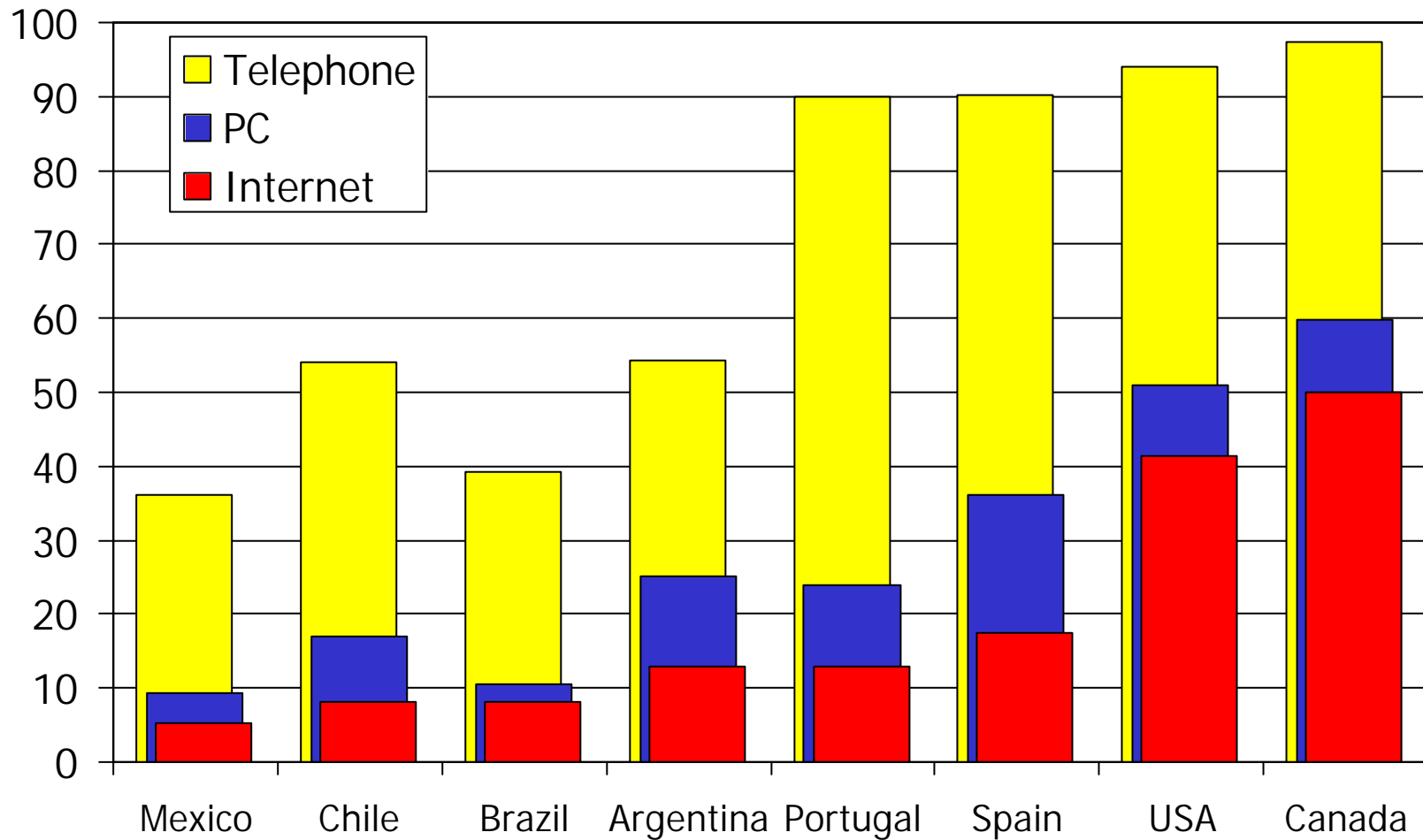


Universal service versus universal access





ICT in households 2001



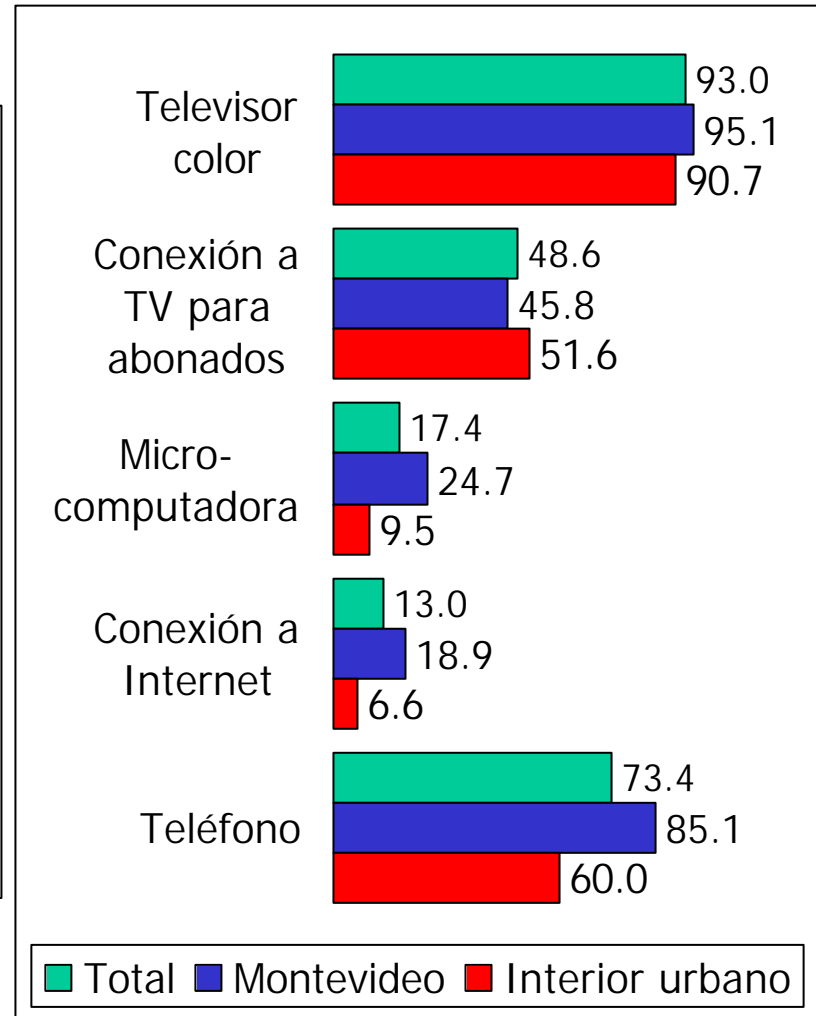


Uruguay: Encuesta Continua de Hogares



10 Este hogar ¿cuenta con:	SI	NO
Calefón o termofón		
Calentador instantáneo de agua		
Refrigerador		
T. V. Color		
Conexión a T. V. por abonados (cable o similar)		
Videocasetero		
Lavarropa		
Lavavajilla		
Horno microondas		
Microcomputadora		
Conexión a Internet		
Automóvil o camioneta para uso particular del hogar		
Teléfono		

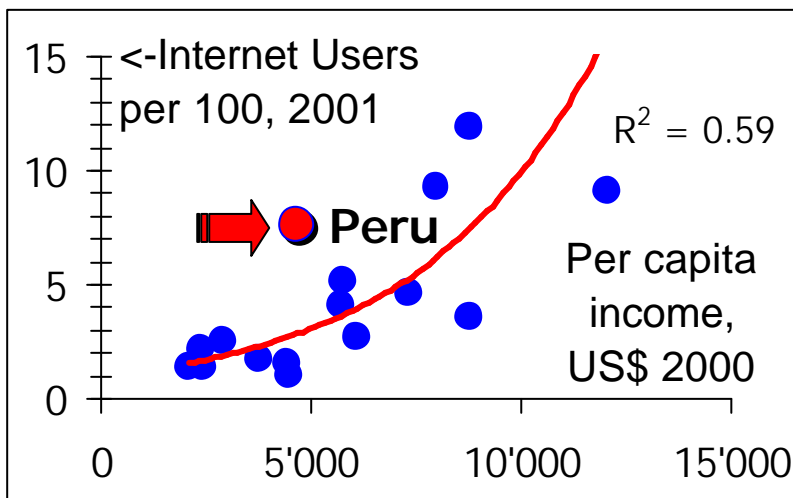
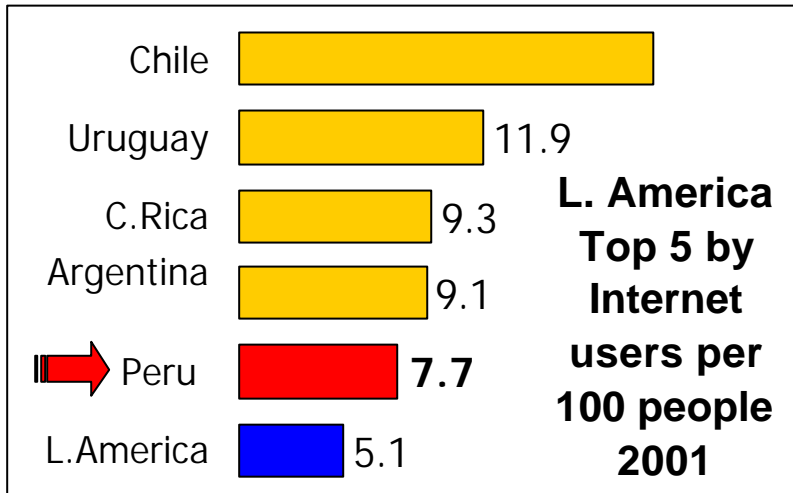
www.ine.gub.uy



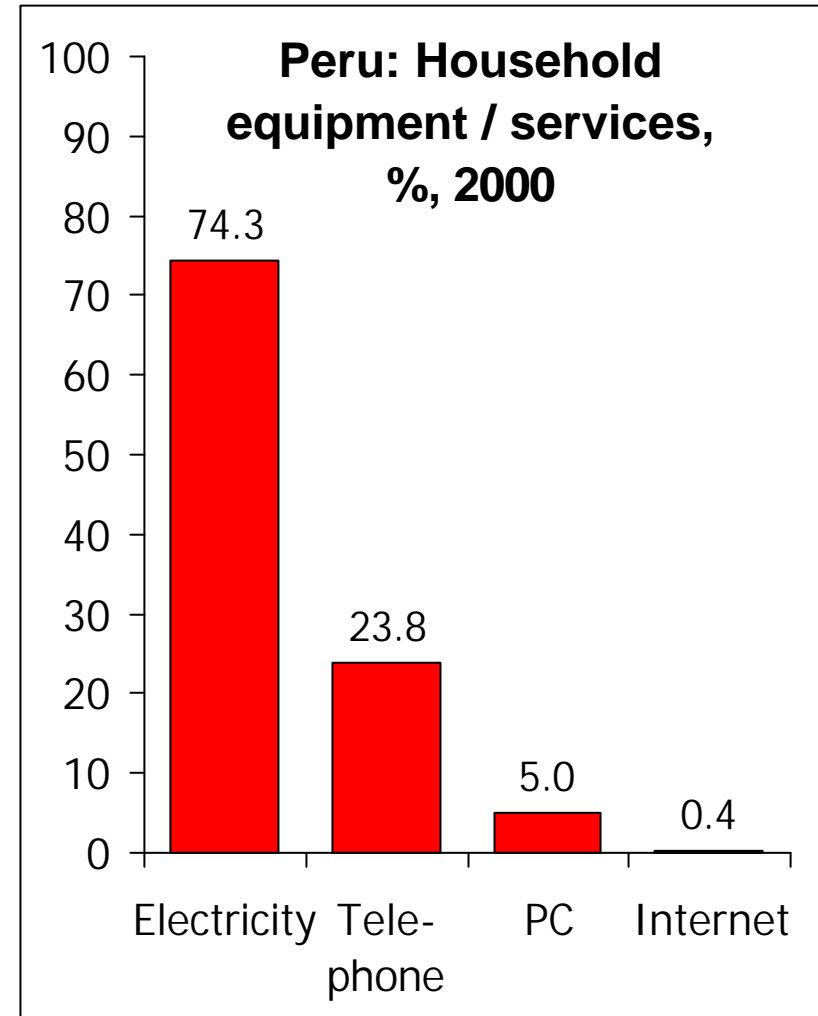
Source: ITU adapted from INE, ECH 2001



Peru stands out



Source: ITU.

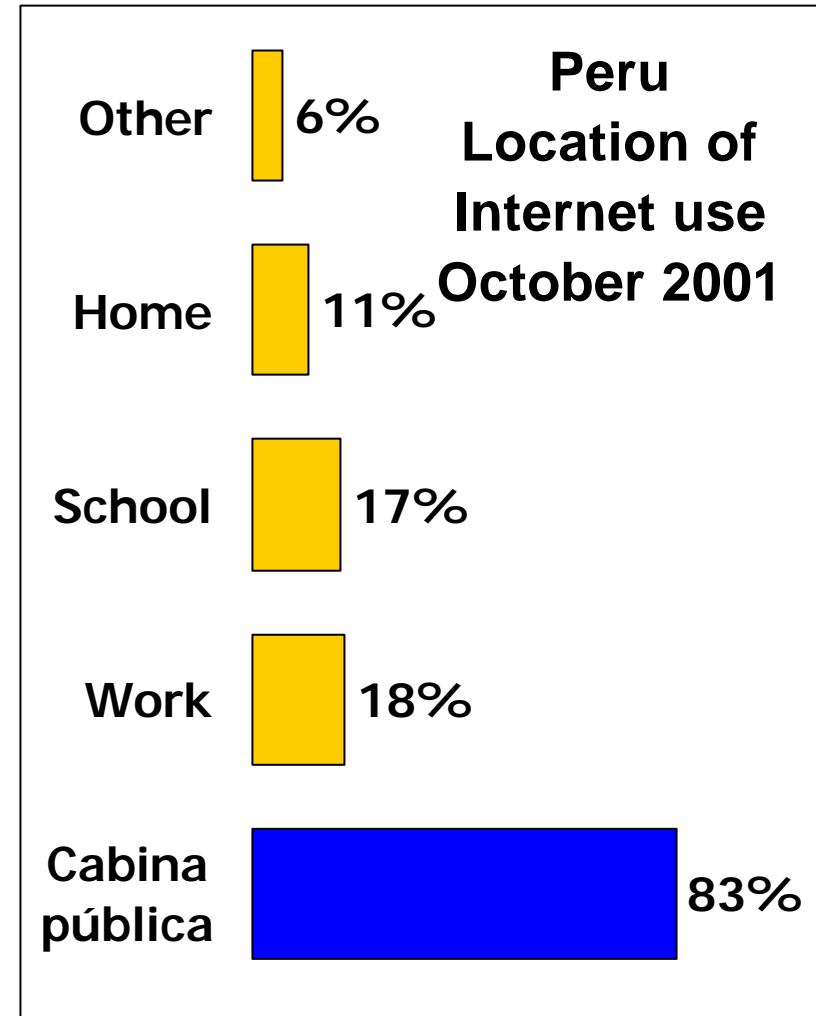


Source: ITU adapted from INEI.



Community access

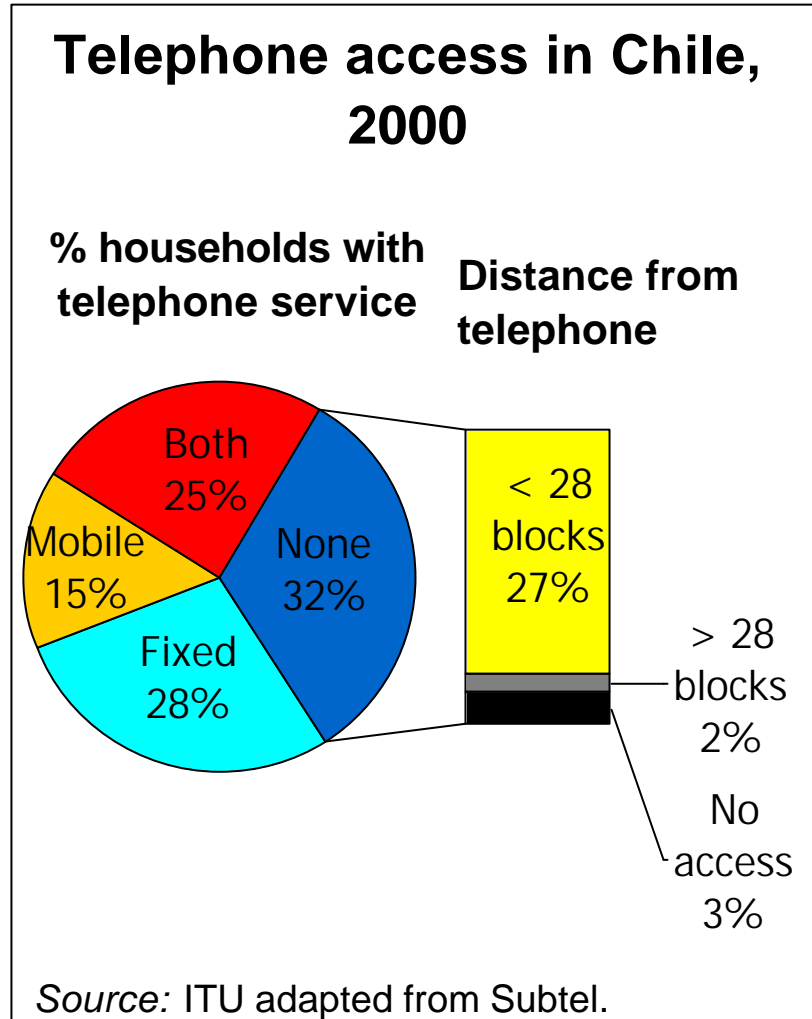
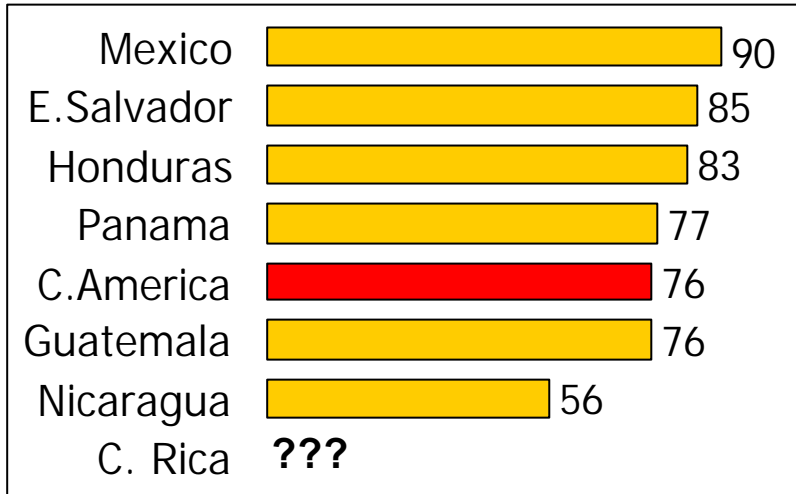
- Most Peruvians access the Internet from cybercafes “cabinas publicas”
- Some 1'740 cabinas in the country



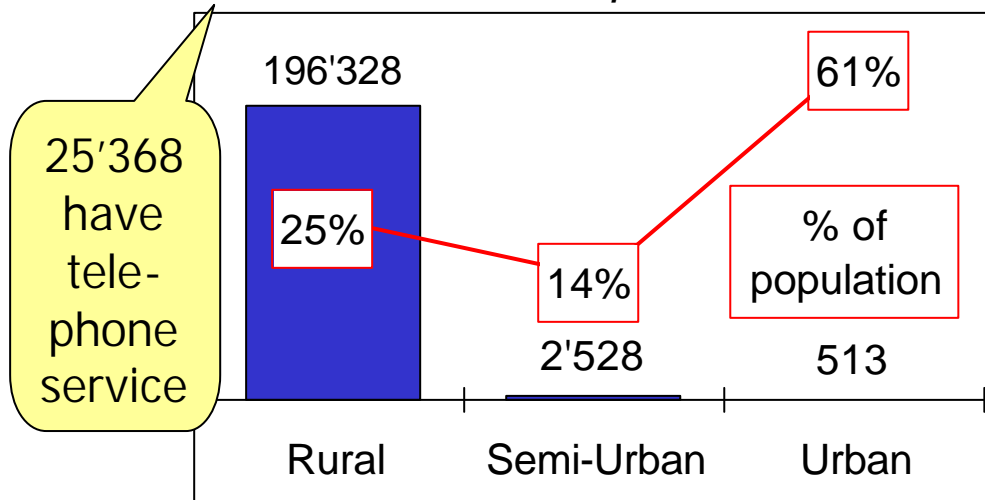


Accessibility indicators

Mobile population coverage, 2001



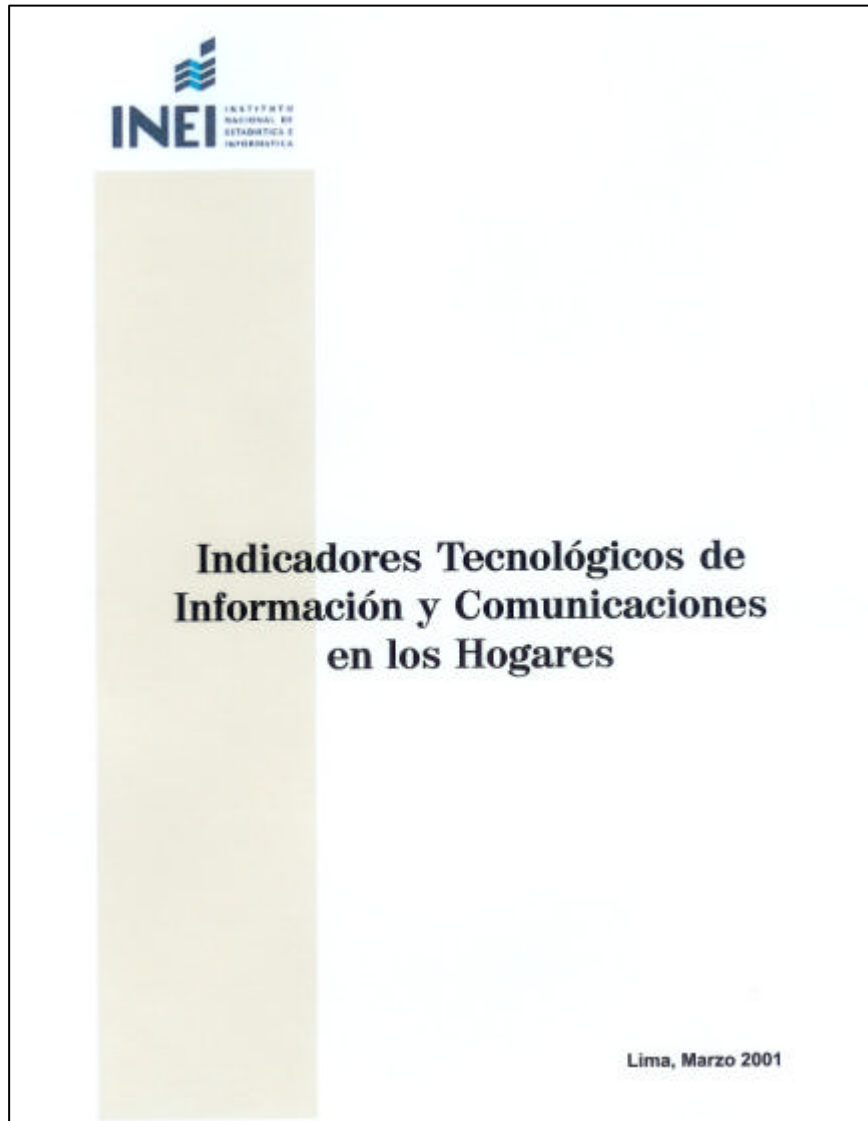
Mexico localities, 2000



Source: INEGI, Telmex.



Good reports





Suggestions

- Telecom regulators should improve collection and dissemination of statistics including detailed statistical reports
- National statistical offices need to carry out household ICT surveys including individual access to the Internet*
- Government agency responsible for ICT should make indicators readily available and easy to find on a web site
- Improved dialogue between regulators, national statistical offices and international agencies to enhance comparability

* For the scope of this presentation. However business, education and government ICT surveys are also needed to measure impact in those sectors.