

The incidence of public
expenditures on health and education

*Background Note for World Development Report 2004:
Making Services Work for Poor People*

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The findings, interpretations, and conclusions expressed in this paper are entirely those of the authors. They do not necessarily represent the views of the World Bank, its Executive Directors, or the countries they represent.

Introduction

One of the ways that services fail poor people is that public spending fails to reach the services that poor people use. This is not just an issue between sectors (although that may be true) but also an issue in the sectors where people typically think that spending is an effective way to reach poor people: health and education.

As a part of documenting the experience with public spending on health and education for World Development Report 2004, a review of results on the expenditure incidence of public spending was undertaken. This note documents the findings and sources for those results.

Definition and caveats

Average expenditure incidence studies typically relate household data on the use of public services by different quintiles of the population to average spending on those services from the public budget. Results from these studies provide a cross-sectional snapshot of who benefits from public spending on services. Note that this is not necessarily the same as who would benefit from the marginal resources devoted to the sector.

There are several caveats to analyzing these results. In particular, while the data are often based on the best sources available—they are often limited when it comes to assessing the costs of each unit of the service provided. Cross-country comparability is hampered by the fact that studies differ in the detail to which they differentiate average spending: for example some use a uniform estimate, some estimate separate average spending amounts for urban and rural areas, some for different provinces, and so on.

In addition, the studies implicitly assume that the value of the expenditure is equal across all users. These types of analyses are often referred to as “benefit incidence” of public spending. Since the value of spending might differ for different people (for example spending on urban dwellers might go much further towards providing quality services than an equal amount spent on people in remote rural areas) they are probably best described as “expenditure incidence” studies.

It is important to keep in mind that the results do not include the incidence of raising funds. A fairly regressive pattern of spending might still be pro-poor if it is financed through a very progressive tax system.

Last, it is hard to know what a “good” allocation is without comparing it to other types of social spending.

Results

Table 1 reports summary data on the incidence of public expenditures on health and education.

Table 2 reports a compilation of data in the incidence on public expenditures on health,

with sources.

Table 3 reports a compilation of data in the incidence on public expenditures on education, with sources.

Table 1: Summary of incidence of public expenditures on health and education									
Expenditure incidence of public spending on health					Expenditure incidence of public spending on health				
Country	All health		Primary level only		Country	All education		Primary level only	
	Poorest quintile	Richest quintile	Poorest quintile	Richest quintile		Poorest quintile	Richest quintile	Poorest quintile	Richest quintile
Argentina 1991	33	6			Armenia 1996	7	29	27	12
Armenia 1999	13	39	16	28	Azerbaijan 2001	18	22	19	19
Bangladesh 2000	16	26	18	24	Bangladesh 2000	12	32	22	14
Brazil 1997 (NE&SE)			16	19	Brazil 1997 (NE&SE)	18	25	26	7
Bulgaria 1995	13	25	16	21	Cambodia 1996/97	15	29	21	17
Colombia 1992	27	13			Colombia 1992	23	14	39	4
Costa Rica 1992	27	13	44	7	Costa Rica 2001	21	20	28	9
Cote d'Ivoire 1995	11	32	14	22	Cote d'Ivoire 1995	13	35	19	14
Ecuador 1998	8	38	18	16	Ecuador 1998	12	25	24	11
Georgia 2000			18	19	FYR Macedonia 1996	9	40	18	22
Ghana 1994	12	33	10	31	Ghana 1992	16	21	22	14
Guinea 1994	4	48	10	36	Guinea 1994	5	44	11	21
Guyana 1994			28	14	Guyana 1993	15	32		
Honduras 1995	21	12			Indonesia 1989	15	29	25	13
India (UP) 1995/96	10	41			Jamaica 1998	22	15	25	12
India 1995/96	10	32	21	13	Kazakhstan 1996	8	26		
Indonesia 1990	12	29	21	18	Kenya 1992	17	21	22	15
Kenya 1992 (rural)	14	24	22	14	Kosovo 2000	9	40	18	22
Madagascar 1993	12	30	10	29	Kyrgyz Rep 1993	14	27		
Moldova 2001			17	22	Lao PDR 1993	12	34		
Nicaragua 1998	18	18	23	8	Madagascar 1993/94	8	41	17	14
South Africa 1994	16	17	18	10	Malawi 1995	16	25	20	16
Sri Lanka 1995/96	20	20			Mauritania 1995/96			11	19
Tajikistan 1999			18	31	Mexico 1996	19	21	30	10
Tanzania 1992/93	17	29	18	21	Morocco 1998/99	12	24	17	18
Vietnam 1993	12	29	19	10	Nepal 1996	11	46		
					Nicaragua 1998	11	35	23	10
					Pakistan 1991	14	29		
					Panama 1997	12	21	34	4
					Peru 1994	15	22	26	16
					Romania 1994	22	17	21	10
					South Africa 1994	14	35	19	28
					Tanzania 1993/94	14	37	19	18
					Uganda 1992/93	13	32	19	18
					Vietnam 1998	18	21	26	13
					Yemen 1998	19	22	21	18

Table 2: Incidence of public expenditures on health								
Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1991	Argentina 1991	All Public health spending	33	61			6	World Bank. 1996. "Madagascar Poverty Assessment" Report No. 14044-MAG.
1999	Armenia 1999	Diag. Ctrs. and other	8	22	14	12	43	World Bank. 2002. "Armenia Public Expenditure Review" Draft June 2002.
1999	Armenia 1999	Hospital	13	12	13	18	43	World Bank. 2002. "Armenia Public Expenditure Review" Draft June 2002.
1999	Armenia 1999	Hospital	13	12	13	18	43	Bonilla-Chacin, Maria E.; Murrugarra, Edmundo; Temourov, Moukim. Nov 18 2002 "Health Care during Transition and Health Systems Reform: Evidence from the Poorest CIS Countries" Draft.CIS-7 Conference
1999	Armenia 1999	Polyclinic	16	18	18	20	28	World Bank. 2002. "Armenia Public Expenditure Review" Draft June 2002.
1999	Armenia 1999	Primary	16	18	18	20	28	Bonilla-Chacin, Maria E.; Murrugarra, Edmundo; Temourov, Moukim. Nov 18 2002 "Health Care during Transition and Health Systems Reform: Evidence from the Poorest CIS Countries" Draft.CIS-7 Conference
1999	Armenia 1999	Total	13	15	15	18	39	World Bank. 2002. "Armenia Public Expenditure Review" Draft June 2002.
2001	Azerbaijan 2001	Hospital	17	20	19	21	23	Bonilla-Chacin, Maria E.; Murrugarra, Edmundo; Temourov, Moukim. Nov 18 2002 "Health Care during Transition and Health Systems Reform: Evidence from the Poorest CIS Countries" Draft.CIS-7 Conference
1995	Bangladesh 1995/96	Government financed health care	16	19	20	20	25	Data International Ltd; Nepal Health Economics Association; Intitute of Policy Studies. June 2001. "Equity in Financing and Devlivery of Health Services in Bangladesh, Nepal, and Sri Lanka: Results of the Tri-Country Study"
2000	Bangladesh 2000	All health expenditure	16	19	21	18	26	Asian Development Bank/World Bank Bangladesh Poverty Assessment: Benefit Incidence Analysis-Education and Health Sectors. November 2001 draft
2000	Bangladesh 2000	Child health	23	21	19	18	18	Asian Development Bank/World Bank Bangladesh Poverty Assessment: Benefit Incidence Analysis-Education and Health Sectors. November 2001 draft
2000	Bangladesh 2000	Family planning and control of communicable disease	18	18	19	19	24	Asian Development Bank/World Bank Bangladesh Poverty Assessment: Benefit Incidence Analysis-Education and Health Sectors. November 2001 draft
2000	Bangladesh 2000	Limited curative care	11	21	22	18	28	Asian Development Bank/World Bank Bangladesh Poverty Assessment: Benefit Incidence Analysis-Education and Health Sectors. November 2001 draft
2000	Bangladesh 2000	Maternal health	20	13	20	18	29	Asian Development Bank/World Bank Bangladesh Poverty Assessment: Benefit Incidence Analysis-Education and Health Sectors. November 2001 draft
1985	Brazil 1985	All Public health spending	17	41			42	World Bank. 1996. "Madagascar Poverty Assessment" Report No. 14044-MAG.
1997	Brazil 1997 (NE&SE)	Universal public health care	16	20	22	23	19	World Bank 2002. "Inequality and economic development in Brazil" Draft.
1995	Bulgaria 1995	All health	13	16	21	26	25	Demery, Lionel, 1997, "Benefit Incidence Analysis" mimeo

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1995	Bulgaria 1995	Hospitals	11	16	20	16	27	Demery, Lionel, 1997, "Benefit Incidence Analysis" mimeo
1995	Bulgaria 1995	Primary facilities	16	17	21	25	21	Demery, Lionel, 1997, "Benefit Incidence Analysis" mimeo
1982	Chile 1982	All Public health spending	22	67			11	World Bank. 1996. "Madagascar Poverty Assessment" Report No. 14044-MAG.
1992	Colombia 1992	All Public health system	27	26	19	16	13	1994 World Bank Poverty Assessment / Country study (Quintiles on the basis of households)
1992	Colombia 1992	ISS (Inst. Soc. Sec.)	18	42	35	21	15	1994 World Bank Poverty Assessment / Country study (Quintiles on the basis of households)
1992	Costa Rica 1992	All	27	23	19	18	13	World Bank 1997. "Costa Rica: Identifying the Social Needs of the Poor: An Update" Report No. 15449-CR
1992	Costa Rica 1992	Inpatient	30	22	16	18	15	World Bank 1997. "Costa Rica: Identifying the Social Needs of the Poor: An Update" Report No. 15449-CR
1992	Costa Rica 1992	Outpatient	25	23	20	19	13	World Bank 1997. "Costa Rica: Identifying the Social Needs of the Poor: An Update" Report No. 15449-CR
1992	Costa Rica 1992	Preventive	44	22	17	11	7	World Bank 1997. "Costa Rica: Identifying the Social Needs of the Poor: An Update" Report No. 15449-CR
1995	Cote d'Ivoire 1995	All	11	57			32	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1995	Cote d'Ivoire 1995	Hospital	8	53			39	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1995	Cote d'Ivoire 1995	Primary facilities	14	64			22	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1994	Ecuador 1994/95	All health	18	18	21	23	21	Lee, Haedeck, Hentschel, Jesko, Hicks, Norman. 1996. "Subsidies, Social Expenditures and The Poor". Ecuador Poverty Report Working Paper No. 6 (Report No. 16087)
1994	Ecuador 1994/95	All Ministry of health	21	25	23	20	12	Lee, Haedeck, Hentschel, Jesko, Hicks, Norman. 1996. "Subsidies, Social Expenditures and The Poor". Ecuador Poverty Report Working Paper No. 6 (Report No. 16087)
1994	Ecuador 1994/95	IESS	20	11	17	24	29	Lee, Haedeck, Hentschel, Jesko, Hicks, Norman. 1996. "Subsidies, Social Expenditures and The Poor". Ecuador Poverty Report Working Paper No. 6 (Report No. 16087)
1998	Ecuador 1998	All	7.6	11.6	17.6	25.1	38.1	World Bank. 2000. "Ecuador: Crisis, Poverty and Social Services" Report No. 19920-EC
1998	Ecuador 1998	Health center	11	18	23	27	21	World Bank. 2000. "Ecuador: Crisis, Poverty and Social Services" Report No. 19920-EC
1998	Ecuador 1998	Hospital	8	13	18	24	37	World Bank. 2000. "Ecuador: Crisis, Poverty and Social Services" Report No. 19920-EC
1998	Ecuador 1998	Sub-center or Dispensario	18	23	22	21	16	World Bank. 2000. "Ecuador: Crisis, Poverty and Social Services" Report No. 19920-EC

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
2000	Georgia 2000	Hospital	18	18	22	17	24	Bonilla-Chacin, Maria E.; Murrugarra, Edmundo; Temourov, Moukim. Nov 18 2002 "Health Care during Transition and Health Systems Reform: Evidence from the Poorest CIS Countries" Draft.CIS-7 Conference
2000	Georgia 2000	Primary	18	19	25	19	19	Bonilla-Chacin, Maria E.; Murrugarra, Edmundo; Temourov, Moukim. Nov 18 2002 "Health Care during Transition and Health Systems Reform: Evidence from the Poorest CIS Countries" Draft.CIS-7 Conference
1992	Ghana 1992	All	12	55			33	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1992	Ghana 1992	Hospital inpatient	11	57			32	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1992	Ghana 1992	Hospital outpatient	13	52			35	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1992	Ghana 1992	Primary facilities	10	59			31	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1994	Ghana 1994	All health	12	15	19	21	33	Demery, Lionel, 1997, "Benefit Incidence Analysis" mimeo
1994	Ghana 1994	Hospital inpatient	11	14	20	23	32	Demery, Lionel, 1997, "Benefit Incidence Analysis" mimeo
1994	Ghana 1994	Hospital outpatient	13	15	17	19	35	Demery, Lionel, 1997, "Benefit Incidence Analysis" mimeo
1994	Ghana 1994	Primary facilities	10	17	19	23	31	Demery, Lionel, 1997, "Benefit Incidence Analysis" mimeo
1994	Guinea 1994	All	4	48			48	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1994	Guinea 1994	Hospital	1	44			55	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1994	Guinea 1994	Primary facilities	10	54			36	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1994	Guyana 1994	Public health center	28	16	21	22	14	Baker, Judy, 1997. Poverty Reduction and Human Capital Development in the Caribbean: A Cross-Country Study, The World Bank
1994	Guyana 1994	Public health post	67	3	7	16	7	Baker, Judy, 1997. Poverty Reduction and Human Capital Development in the Caribbean: A Cross-Country Study, The World Bank
1994	Guyana 1994	Public hospital	19	23	18	28	12	Baker, Judy, 1997. Poverty Reduction and Human Capital Development in the Caribbean: A Cross-Country Study, The World Bank
1994	Guyana 1994	Public medicines	18	7	11	31	32	Baker, Judy, 1997. Poverty Reduction and Human Capital Development in the Caribbean: A Cross-Country Study, The World Bank
1995	Honduras 1995	All (Ministry of Public Health)	21	26	22	19	12	"Honduras: Towards Better Health Care for All" 1999. World Bank Report No. 17731.

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1995	Honduras 1995	Ambulatory consultation and emergency Cesar/Cesamo (Ministry of Public Health)	21	34	22	15	7	"Honduras: Towards Better Health Care for All" 1999. World Bank Report No. 17731.
1995	Honduras 1995	Ambulatory consultation and emergency Hospital (Ministry of Public Health)	24	19	21	25	11	"Honduras: Towards Better Health Care for All" 1999. World Bank Report No. 17731.
1995	Honduras 1995	Ambulatory consultation and emergency Total (Ministry of Public Health)	22	29	22	18	8	"Honduras: Towards Better Health Care for All" 1999. World Bank Report No. 17731.
1995	Honduras 1995	Hospitalization Maternity (Ministry of Public Health)	17	13	24	29	17	"Honduras: Towards Better Health Care for All" 1999. World Bank Report No. 17731.
1995	Honduras 1995	Hospitalization Non-Maternity (Ministry of Public Health)	17	19	24	18	21	"Honduras: Towards Better Health Care for All" 1999. World Bank Report No. 17731.
1995	India 1995/96	All Health expenditures	10	14	18	25	32	World Bank. 2002. India: Poverty in India-The Challenge of Uttar Pradesh. Report No. 22323-IN.
1995	India 1995/96	Curative care	10	13	18	26	33	"The Poor and Health Service Use in India". 2001. Ajay Mahal, Abdo S. Yazbeck, David H. Peters, G.N.V. Ramana. Background Paper to "Better Health Systems for India's Poor" The World Bank. 2002.
1995	India 1995/96	Hospital inpatient	11	13	20	25	31	"The Poor and Health Service Use in India". 2001. Ajay Mahal, Abdo S. Yazbeck, David H. Peters, G.N.V. Ramana. Background Paper to "Better Health Systems for India's Poor" The World Bank. 2002.
1995	India 1995/96	Hospital outpatient	8	12	17	27	36	"The Poor and Health Service Use in India". 2001. Ajay Mahal, Abdo S. Yazbeck, David H. Peters, G.N.V. Ramana. Background Paper to "Better Health Systems for India's Poor" The World Bank. 2002.
1995	India 1995/96	Immunizations	24	22	22	19	14	"The Poor and Health Service Use in India". 2001. Ajay Mahal, Abdo S. Yazbeck, David H. Peters, G.N.V. Ramana. Background Paper to "Better Health Systems for India's Poor" The World Bank. 2002.

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1995	India 1995/96	Outpatient (PHC and below - non hospital)	21	21	22	23	13	"The Poor and Health Service Use in India". 2001. Ajay Mahal, Abdo S. Yazbeck, David H. Peters, G.N.V. Ramana. Background Paper to "Better Health Systems for India's Poor" The World Bank. 2002.
1995	India-Uttar Pradesh 1995/96	All Health expenditures	10	10	13	26	41	World Bank. 2002. India: Poverty in India-The Challenge of Uttar Pradesh. Report No. 22323-IN.
1987	Indonesia 1987	All	12	14	19	27	29	Van de Walle, Dominique, "The Distribution of Subsidies through Public Health Services in Indonesia, 1978-87," The World Bank Economic Review, 8(2):279-309
1987	Indonesia 1987	Hospital	8	11	17	28	35	Van de Walle, Dominique, "The Distribution of Subsidies through Public Health Services in Indonesia, 1978-87," The World Bank Economic Review, 8(2):279-309
1987	Indonesia 1987	Public health center	18	19	21	24	17	Van de Walle, Dominique, "The Distribution of Subsidies through Public Health Services in Indonesia, 1978-87," The World Bank Economic Review, 8(2):279-309
1990	Indonesia 1990	All Public expenditure on health	12	16	19	24	29	Birdsall, Nancy and Robert Hecht. 1995. "Swimming against the tide: Strategies for improving equity in health" HRO Working Paper No. 55. The World Bank.
1998	Indonesia 1998	Hospitals	10	11	20	19	40	Lanjouw, Peter, Menno Pradhan, Fadia Saadah, Haneed Sayed, and Robert Sparrow. 2001. "Poverty, Education, and Health in Indonesia: Who Benefits from Public Spending?" World Bank Policy Research Working Paper No. 2739.
1998	Indonesia 1998	Primary Health Care	21	21	20	21	18	Lanjouw, Peter, Menno Pradhan, Fadia Saadah, Haneed Sayed, and Robert Sparrow. 2001. "Poverty, Education, and Health in Indonesia: Who Benefits from Public Spending?" World Bank Policy Research Working Paper No. 2739.
1989	Jamaica 1989/92	Health center	25	30	16	18	11	Baker, Judy, 1997. Poverty Reduction and Human Capital Development in the Caribbean: A Cross-Country Study, The World Bank
1989	Jamaica 1989/92	Hospital	19	18	23	23	18	Baker, Judy, 1997. Poverty Reduction and Human Capital Development in the Caribbean: A Cross-Country Study, The World Bank
1992	Kenya 1992 (rural)	All	14	17	22	22	24	1995 World Bank Poverty Assessment / Country study
1992	Kenya 1992 (rural)	Dispensaries	17	20	23	19	19	1995 World Bank Poverty Assessment / Country study
1992	Kenya 1992 (rural)	Hospitals	13	16	22	22	26	1995 World Bank Poverty Assessment / Country study
1992	Kenya 1992 (rural)	Public health center	24	23	23	17	13	1995 World Bank Poverty Assessment / Country study
1992	Kenya 1992 (rural)	All	14	62			24	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.

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1992	Kenya 1992 (rural)	Hospital	13	61			26	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1992	Kenya 1992 (rural)	Primary facilities	22	64			14	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1993	Madagascar 1993	All	12	58			30	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1993	Madagascar 1993	Hospital	14	56			30	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1993	Madagascar 1993	Primary facilities	10	61			29	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1993	Madagascar 1993/94	Public health center	12	19	14	25	30	World Bank. 1996. "Madagascar Poverty Assessment" Report No. 14044-MAG.
1989	Malaysia 1989	All Public health spending	29	60			11	World Bank. 1996. "Madagascar Poverty Assessment" Report No. 14044-MAG.
1995	Mauritania 1995/96	Hospital health	20	20	22	20	18	Derived from: Sahn, David; Stephen D. 1999. "Fiscal Incidence in Africa: Microeconomic Evidence, Cornell Food and Nutrition Policy Program Working Paper No. 91. Ithaca, NY: Cornell University
1995	Mauritania 1995/96	Non-hospital health	19	21	22	20	18	Derived from: Sahn, David; Stephen D. 1999. "Fiscal Incidence in Africa: Microeconomic Evidence, Cornell Food and Nutrition Policy Program Working Paper No. 91. Ithaca, NY: Cornell University
2001	Moldova 2001	Hospital	9	20	19	24	28	Bonilla-Chacin, Maria E.; Murrugarra, Edmundo; Temourov, Moukim. Nov 18 2002 "Health Care during Transition and Health Systems Reform: Evidence from the Poorest CIS Countries" Draft.CIS-7 Conference
2001	Moldova 2001	Primary	17	19	22	20	22	Bonilla-Chacin, Maria E.; Murrugarra, Edmundo; Temourov, Moukim. Nov 18 2002 "Health Care during Transition and Health Systems Reform: Evidence from the Poorest CIS Countries" Draft.CIS-7 Conference
1993	Nicaragua 1993	All	10	19	20	24	26	2001 Poverty Assessment Volume II: Report No. 20488-NI
1993	Nicaragua 1993	Hospital	8	18	17	26	32	2001 Poverty Assessment Volume II: Report No. 20488-NI
1993	Nicaragua 1993	Primary-level care	13	22	14	22	18	2001 Poverty Assessment Volume II: Report No. 20488-NI
1995	Nicaragua 1995	Curative care	10	28			63	1995 World Bank Poverty Assessment / Country study (Categories are extreme poor, poor, non-poor, whose population distribution is 19.4, 30.9, 49.7 percent.)
1995	Nicaragua 1995	Pre-natal and births	12	31			57	1995 World Bank Poverty Assessment / Country study (Categories are extreme poor, poor, non-poor, whose population distribution is 19.4, 30.9, 49.7 percent.)
1998	Nicaragua 1998	All	18	23	22	19	18	2001 Poverty Assessment Volume I: Report No. 20488-NI
1998	Nicaragua 1998	Hospital	13	21	20	21	25	2001 Poverty Assessment Volume II: Report No. 20488-NI
1998	Nicaragua 1998	Primary-level care	23	26	26	17	8	2001 Poverty Assessment Volume II: Report No. 20488-NI

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1993	South Africa 1993	All Public health spending	16	67			17	World Bank. 1996. "Madagascar Poverty Assessment" Report No. 14044-MAG.
1994	South Africa 1994	All	16	67			17	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1994	South Africa 1994	Hospital	15	68			17	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1994	South Africa 1994	Primary facilities	18	72			10	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1995	Sri Lanka 1995/96	Health Care	20	20	20	21	20	Data International Ltd; Nepal Health Economics Association; Intitute of Policy Studies. June 2001. "Equity in Financing and Devlivery of Health Services in Bangladesh, Nepal, and Sri Lanka: Results of the Tri-Country Study"
1995	St Lucia 1995	Public health centers	25	26	15	11	24	Baker, Judy, 1997. Poverty Reduction and Human Capital Development in the Caribbean: A Cross-Country Study, The World Bank
1995	St Lucia 1995	Public hospitals	26	28	14	15	17	Baker, Judy, 1997. Poverty Reduction and Human Capital Development in the Caribbean: A Cross-Country Study, The World Bank
1999	Tajikistan 1999	Hospital	17	11	19	27	25	Bonilla-Chacin, Maria E.; Murrugarra, Edmundo; Temourov, Moukim. Nov 18 2002 "Health Care during Transition and Health Systems Reform: Evidence from the Poorest CIS Countries" Draft.CIS-7 Conference
1999	Tajikistan 1999	Primary	18	16	16	19	31	Bonilla-Chacin, Maria E.; Murrugarra, Edmundo; Temourov, Moukim. Nov 18 2002 "Health Care during Transition and Health Systems Reform: Evidence from the Poorest CIS Countries" Draft.CIS-7 Conference
1992	Tanzania 1992/93	All	17	54			29	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1992	Tanzania 1992/93	Hospital inpatient	20	44			36	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1992	Tanzania 1992/93	Hospital outpatient	11	52			37	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1992	Tanzania 1992/93	Primary facilities	18	61			21	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1993	Tanzania 1993/94	Hlth cntr outpatient: curative	18	21	19	21	21	1995 World Bank Poverty Assessment / Country study (Quintiles on the basis of households)
1993	Tanzania 1993/94	Hlth cntr outpatient: prenatal	25	15	21	18	21	1995 World Bank Poverty Assessment / Country study (Quintiles on the basis of households)

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1993	Tanzania 1993/94	Hospital outpatient: curative	11	14	15	23	37	1995 World Bank Poverty Assessment / Country study (Quintiles on the basis of households)
1993	Tanzania 1993/94	Hospital outpatient: prenatal	18	22	15	25	21	1995 World Bank Poverty Assessment / Country study (Quintiles on the basis of households)
1992	Trinidad and Tobago 1992	Health center	8	35	14	7	36	Baker, Judy, 1997. Poverty Reduction and Human Capital Development in the Caribbean: A Cross-Country Study, The World Bank
1992	Trinidad and Tobago 1992	Hospital	17	23	25	16	19	Baker, Judy, 1997. Poverty Reduction and Human Capital Development in the Caribbean: A Cross-Country Study, The World Bank
1989	Uruguay 1989	All	37	21	17	14	11	1993 World Bank Poverty Assessment / Country study
2001	Uzbekistan 2001	Hospital	13	14	17	17	39	Bonilla-Chacin, Maria E.; Murrugarra, Edmundo; Temourov, Moukim. Nov 18 2002 "Health Care during Transition and Health Systems Reform: Evidence from the Poorest CIS Countries" Draft.CIS-7 Conference
1993	Vietnam 1993	All	12	16	21	22	29	World Bank. 1995. "Viet Nam Poverty Assessment and Strategy" Report No. 13442-VN.
1993	Vietnam 1993	Commune health centers	20	29	22	18	10	World Bank. 1995. "Viet Nam Poverty Assessment and Strategy" Report No. 13442-VN.
1993	Vietnam 1993	Hospital inpatients	13	17	24	22	24	World Bank. 1995. "Viet Nam Poverty Assessment and Strategy" Report No. 13442-VN.
1993	Vietnam 1993	Hospital outpatients	9	14	15	23	39	World Bank. 1995. "Viet Nam Poverty Assessment and Strategy" Report No. 13442-VN.

Table 3: Summary of incidence of public health and education expenditures

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1996	Albania 1996	Primary	27				12	World Bank. 2000. "Making transition work for everyone: Poverty and inequality in Europe and Central Asia". The World Bank.
1996	Albania 1996	Secondary	7				32	World Bank. 2000. "Making transition work for everyone: Poverty and inequality in Europe and Central Asia". The World Bank.
1996	Albania 1996	Tertiary	8				32	World Bank. 2000. "Making transition work for everyone: Poverty and inequality in Europe and Central Asia". The World Bank.
1996	Armenia 1996	All levels	7	17	22	25	29	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1998	Armenia 1998/99	All levels	15	19	21	22	23	World Bank. 2002. "Armenia Public Expenditure Review" Draft June 2002.
1998	Armenia 1998/99	Higher Education	6	28	19	25	23	World Bank. 2002. "Armenia Public Expenditure Review" Draft June 2002.
1998	Armenia 1998/99	Primary (grades 1-8)	15	18	21	23	23	World Bank. 2002. "Armenia Public Expenditure Review" Draft June 2002.
1998	Armenia 1998/99	Secondary (9-10)	15	17	20	22	26	World Bank. 2002. "Armenia Public Expenditure Review" Draft June 2002.
1998	Armenia 1998/99	Vocational-Technical	24	21	27	12	17	World Bank. 2002. "Armenia Public Expenditure Review" Draft June 2002.
2001	Azerbaijan 2001	All	18	19	20	21	22	Burnett, Nicholas with Rodica Cnoblach. 2003. "Public spending on education in the poorest CIS countries: The hidden crisis" Draft.
2001	Azerbaijan 2001	College Grades 10-11	19	17	22	14	27	Burnett, Nicholas with Rodica Cnoblach. 2003. "Public spending on education in the poorest CIS countries: The hidden crisis" Draft.
2001	Azerbaijan 2001	Grades 1-9	19	20	21	21	19	Burnett, Nicholas with Rodica Cnoblach. 2003. "Public spending on education in the poorest CIS countries: The hidden crisis" Draft.
2001	Azerbaijan 2001	Technical Grades 10-11	28	19	22	19	13	Burnett, Nicholas with Rodica Cnoblach. 2003. "Public spending on education in the poorest CIS countries: The hidden crisis" Draft.
2001	Azerbaijan 2001	University	12	19	15	24	30	Burnett, Nicholas with Rodica Cnoblach. 2003. "Public spending on education in the poorest CIS countries: The hidden crisis" Draft.
2000	Bangladesh 2000	All education	12	15	17	23	32	Asian Development Bank/World Bank Bangladesh Poverty Assessment: Benefit Incidence Analysis-Education and Health Sectors. November 2001 draft
2000	Bangladesh 2000	Primary	22	23	22	19	14	Asian Development Bank/World Bank Bangladesh Poverty Assessment: Benefit Incidence Analysis-Education and Health Sectors. November 2001 draft
2000	Bangladesh 2000	Secondary	6	11	16	28	40	Asian Development Bank/World Bank Bangladesh Poverty Assessment: Benefit Incidence Analysis-Education and Health Sectors. November 2001 draft
2000	Bangladesh 2000	Tertiary	6	6	10	21	57	Asian Development Bank/World Bank Bangladesh Poverty Assessment: Benefit Incidence Analysis-Education and Health Sectors. November 2001 draft

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1989	Bolivia 1989 (urban)	Primary	32	27	21	14	6	Grosh, Margaret, 1994. "Administering Targeted Social Programs in Latin America: From Platitudes to Practice," World Bank Regional and Sectoral Studies
1989	Bolivia 1989 (urban)	Secondary	23	27	24	18	9	Grosh, Margaret, 1994. "Administering Targeted Social Programs in Latin America: From Platitudes to Practice," World Bank Regional and Sectoral Studies
1997	Brazil 1997 (NE&SE)	Adult education/training	5	15	30	23	27	Derived from World Bank 2002. "Inequality and economic development in Brazil" Draft.
1997	Brazil 1997 (NE&SE)	All levels	18	19	18	20	25	Derived from World Bank 2002. "Inequality and economic development in Brazil" Draft.
1997	Brazil 1997 (NE&SE)	Creche	24	33	14	23	6	Derived from World Bank 2002. "Inequality and economic development in Brazil" Draft.
1997	Brazil 1997 (NE&SE)	Kindergarten	42	24	16	12	6	Derived from World Bank 2002. "Inequality and economic development in Brazil" Draft.
1997	Brazil 1997 (NE&SE)	Primary education	26	27	23	17	7	Derived from World Bank 2002. "Inequality and economic development in Brazil" Draft.
1997	Brazil 1997 (NE&SE)	Secondary education	8	12	28	33	19	Derived from World Bank 2002. "Inequality and economic development in Brazil" Draft.
1997	Brazil 1997 (NE&SE)	University education	0	0	3	22	75	Derived from World Bank 2002. "Inequality and economic development in Brazil" Draft.
1997	Bulgaria 1997	Primary	21					World Bank. 2000. "Making transition work for everyone: Poverty and inequality in Europe and Central Asia". The World Bank.
1997	Bulgaria 1997	Secondary	16					World Bank. 2000. "Making transition work for everyone: Poverty and inequality in Europe and Central Asia". The World Bank.
1997	Bulgaria 1997	Tertiary	11					World Bank. 2000. "Making transition work for everyone: Poverty and inequality in Europe and Central Asia". The World Bank.
1996	Cambodia 1996/97	All levels	15	16	19	21	29	World Bank 1999. "Cambodia Poverty Assessment". Report No. 19858-KH
1996	Cambodia 1996/97	Lower-secondary	8	12	19	23	38	World Bank 1999. "Cambodia Poverty Assessment". Report No. 19858-KH
1996	Cambodia 1996/97	Postsecondary	2	0	6	15	76	World Bank 1999. "Cambodia Poverty Assessment". Report No. 19858-KH
1996	Cambodia 1996/97	Primary	21	22	21	20	17	World Bank 1999. "Cambodia Poverty Assessment". Report No. 19858-KH
1996	Cambodia 1996/97	Upper-secondary	4	4	15	21	56	World Bank 1999. "Cambodia Poverty Assessment". Report No. 19858-KH
1992	Colombia 1992	All levels	23	22	21	19	14	EdStats: http://www1.worldbank.org/education/edstats/
1992	Colombia 1992	Primary	39	26	19	11	4	EdStats: http://www1.worldbank.org/education/edstats/
1992	Colombia 1992	Secondary	21	27	25	18	10	EdStats: http://www1.worldbank.org/education/edstats/
1992	Colombia 1992	Tertiary	5	9	19	33	34	EdStats: http://www1.worldbank.org/education/edstats/
1992	Costa Rica 1992	All levels	27	23	20	18	12	World Bank 1997. "Costa Rica: Identifying the Social Needs of the Poor: An Update" Report No. 15449-CR
1992	Costa Rica 1992	Higher	2	10	15	35	38	World Bank 1997. "Costa Rica: Identifying the Social Needs of the Poor: An Update" Report No. 15449-CR

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1992	Costa Rica 1992	Primary	34	26	19	14	7	World Bank 1997. "Costa Rica: Identifying the Social Needs of the Poor: An Update" Report No. 15449-CR
1992	Costa Rica 1992	Secondary	16	22	22	24	16	World Bank 1997. "Costa Rica: Identifying the Social Needs of the Poor: An Update" Report No. 15449-CR
2001	Costa Rica 2001	All levels	21	19	20	20	20	World Bank 2002. "Costa Rica Social Spending and the Poor: Social Sector Performance in the 1990s" Report No 24300-CR
2001	Costa Rica 2001	Preschool	20	25	27	16	12	World Bank 2002. "Costa Rica Social Spending and the Poor: Social Sector Performance in the 1990s" Report No 24300-CR
2001	Costa Rica 2001	Primary	28	27	21	15	9	World Bank 2002. "Costa Rica Social Spending and the Poor: Social Sector Performance in the 1990s" Report No 24300-CR
2001	Costa Rica 2001	Secondary	21	21	21	21	16	World Bank 2002. "Costa Rica Social Spending and the Poor: Social Sector Performance in the 1990s" Report No 24300-CR
2001	Costa Rica 2001	University	12	7	11	26	44	World Bank 2002. "Costa Rica Social Spending and the Poor: Social Sector Performance in the 1990s" Report No 24300-CR
1995	Côte d'Ivoire 1995	All levels	14	17	17	17	35	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1995	Cote d'Ivoire 1995	All levels	13	17	17	17	35	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1995	Cote d'Ivoire 1995	Primary	19	21	24	22	14	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1995	Cote d'Ivoire 1995	Secondary	7	23	17	15	37	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1995	Cote d'Ivoire 1995	Tertiary	12	2	3	12	71	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1994	Ecuador 1994	All levels	15	17	19	21	27	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1998	Ecuador 1998	All levels	12	17	20	28	25	World Bank. 2000. "Ecuador: Crisis, Poverty and Social Services" Report No. 19920-EC
1998	Ecuador 1998	Higher	1	5	12	30	52	World Bank. 2000. "Ecuador: Crisis, Poverty and Social Services" Report No. 19920-EC
1998	Ecuador 1998	Primary	24	23	22	20	11	World Bank. 2000. "Ecuador: Crisis, Poverty and Social Services" Report No. 19920-EC
1998	Ecuador 1998	Secondary	7	17	25	30	21	World Bank. 2000. "Ecuador: Crisis, Poverty and Social Services" Report No. 19920-EC
1996	FYR Macedonia 1996	All	9	12	18	21	40	World Bank. 1999. "Former Yugoslav Republic of Macedonia: Focusing on the Poor" Report No. 19411-MK
1996	FYR Macedonia 1996	primary	18	20	21	19	22	World Bank. 1999. "Former Yugoslav Republic of Macedonia: Focusing on the Poor" Report No. 19411-MK

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1996	FYR Macedonia 1996	Primary	25				14	World Bank. 2000. "Making transition work for everyone: Poverty and inequality in Europe and Central Asia". The World Bank.
1996	FYR Macedonia 1996	secondary	5	9	17	20	49	World Bank. 1999. "Former Yugoslav Republic of Macedonia: Focusing on the Poor" Rwpport No. 19411-MK
1996	FYR Macedonia 1996	Secondary	13				22	World Bank. 2000. "Making transition work for everyone: Poverty and inequality in Europe and Central Asia". The World Bank.
1996	FYR Macedonia 1996	tertiary	6	9	15	12	58	World Bank. 1999. "Former Yugoslav Republic of Macedonia: Focusing on the Poor" Rwpport No. 19411-MK
1996	FYR Macedonia 1996	Tertiary	7				46	World Bank. 2000. "Making transition work for everyone: Poverty and inequality in Europe and Central Asia". The World Bank.
1992	Ghana 1992	All levels	16	21	21	21	21	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1992	Ghana 1992	All levels	16	21	21	21	21	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1992	Ghana 1992	Primary	22	24	22	19	14	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1992	Ghana 1992	Secondary	15	22	21	24	19	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1992	Ghana 1992	Tertiary	6	10	19	20	45	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1994	Guinea 1994	All levels	5	7	11	32	44	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1994	Guinea 1994	All levels	9	13	21	30	27	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1994	Guinea 1994	Primary	11	16	21	31	21	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72.
1994	Guinea 1994	Secondary	4	7	21	30	39	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1994	Guinea 1994	Tertiary	1	0	1	34	65	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1993	Guyana 1993	All levels	15	16	16	21	32	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1989	Indonesia 1989	All levels	15	17	18	20	29	EdStats: http://www1.worldbank.org/education/edstats/
1989	Indonesia 1989	Junior Secondary	7	14	19	26	34	EdStats: http://www1.worldbank.org/education/edstats/
1989	Indonesia 1989	Primary	22	22	22	20	14	EdStats: http://www1.worldbank.org/education/edstats/
1989	Indonesia 1989	Senior Secondary	3	6	11	24	56	EdStats: http://www1.worldbank.org/education/edstats/
1989	Indonesia 1989	Tertiary	0	0	1	7	92	EdStats: http://www1.worldbank.org/education/edstats/
1998	Indonesia 1998	Junior Secondary	16	20	22	22	21	Lanjouw, Peter, Menno Pradhan, Fadia Saadah, Haneed Sayed, and Robert Sparrow. 2001. "Poverty, Education, and Health in Indonesia: Who Benefits from Public Spending?" World Bank Policy Research Working Paper No. 2739.
1998	Indonesia 1998	Primary	25	24	21	18	13	Lanjouw, Peter, Menno Pradhan, Fadia Saadah, Haneed Sayed, and Robert Sparrow. 2001. "Poverty, Education, and Health in Indonesia: Who Benefits from Public Spending?" World Bank Policy Research Working Paper No. 2739.
1998	Indonesia 1998	Senior Secondary	10	14	19	24	34	Lanjouw, Peter, Menno Pradhan, Fadia Saadah, Haneed Sayed, and Robert Sparrow. 2001. "Poverty, Education, and Health in Indonesia: Who Benefits from Public Spending?" World Bank Policy Research Working Paper No. 2739.
1989	Jamaica 1989	Primary	24	22	22	19	13	Grosh, Margaret, 1994. "Administiring Targeted Social Programs in Latin America: From Platitudes to Practice," World Bank Regional and Sectoral Studies
1989	Jamaica 1989	Secondary	21	21	21	21	16	Grosh, Margaret, 1994. "Administiring Targeted Social Programs in Latin America: From Platitudes to Practice," World Bank Regional and Sectoral Studies
1992	Jamaica 1992	All levels	18	19	20	21	22	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developeing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1998	Jamaica 1998	All levels	22	22	21	20	15	World Bank 1999 "Jamica Secondary Education: Improving Quality and Extending Access Volume II" Report No. 19069-JM
1998	Jamaica 1998	Early childhood education	26	23	22	18	11	World Bank 1999 "Jamica Secondary Education: Improving Quality and Extending Access Volume II" Report No. 19069-JM
1998	Jamaica 1998	Primary education	25	24	21	19	12	World Bank 1999 "Jamica Secondary Education: Improving Quality and Extending Access Volume II" Report No. 19069-JM
1998	Jamaica 1998	Secondary education	16	21	22	22	19	World Bank 1999 "Jamica Secondary Education: Improving Quality and Extending Access Volume II" Report No. 19069-JM
1998	Jamaica 1998	Tertiary education	3	11	8	24	54	World Bank 1999 "Jamica Secondary Education: Improving Quality and Extending Access Volume II" Report No. 19069-JM
1996	Kazakhstan 1996	All levels	8	16	23	27	26	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developeing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1992	Kenya 1992	All levels	17	20	21	21	21	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1992	Kenya 1992	Primary	22	23	21	19	15	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1992	Kenya 1992	Secondary	7	14	24	25	30	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1992	Kenya 1992	Tertiary	2	12	14	28	44	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1992	Kenya 1992/93	All levels	17	20	21	22	21	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
2000	Kosovo 2000	All	9	12	18	21	40	World Bank. 2001. "Kosovo Poverty Assessment" Report No. 23390-KOS
2000	Kosovo 2000	primary	18	20	21	19	22	World Bank. 2001. "Kosovo Poverty Assessment" Report No. 23390-KOS
2000	Kosovo 2000	secondary	5	9	17	20	49	World Bank. 2001. "Kosovo Poverty Assessment" Report No. 23390-KOS
2000	Kosovo 2000	tertiary	6	9	15	12	58	World Bank. 2001. "Kosovo Poverty Assessment" Report No. 23390-KOS
1993	Kyrgyz Rep 1993	All levels	14	17	18	24	27	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1993	Lao PDR 1993	All levels	12				34	World Bank. 2002. "Education and Training in Madagascar: Toward a policy agenda for economic growth and poverty reduction"
1993	Madagascar 1993	All levels	8	15	14	21	41	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1993	Madagascar 1993	Primary	17	25	21	23	14	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1993	Madagascar 1993	Secondary	2	12	15	29	41	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1993	Madagascar 1993	Tertiary	0	2	1	9	89	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1993	Madagascar 1993/94	All levels	8	15	14	21	41	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1990	Malawi 1990/91	Primary	15	18	20	23	24	Al-Samarrai, Samer and Hassan Zaman. 2002. "The Changing Distribution of Public Education Expenditure in Malawi" Africa Region Working Paper Series No. 29.

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1990	Malawi 1990/91	Secondary	7	11	14	28	41	Al-Samarrai, Samer and Hassan Zaman. 2002. "The Changing Distribution of Public Education Expenditure in Malawi" Africa Region Working Paper Series No. 29. [Unlike 1997/98 from same source, these use national unit cost (not district unit costs) - 1997/98 allocation using national unit costs is 24,22,20,19,16]
1994	Malawi 1994/95	All levels	16	19	20	20	25	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1995	Malawi 1995	All levels	16	19	20	20	25	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1995	Malawi 1995	Primary	20	23	21	20	16	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1995	Malawi 1995	Secondary	9	10	16	25	40	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1995	Malawi 1995	Tertiary	1	7	13	20	59	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1997	Malawi 1997/98	Primary	25	23	19	18	14	Al-Samarrai, Samer and Hassan Zaman. 2002. "The Changing Distribution of Public Education Expenditure in Malawi" Africa Region Working Paper Series No. 29.
1997	Malawi 1997/98	Secondary	18	19	22	20	21	Al-Samarrai, Samer and Hassan Zaman. 2002. "The Changing Distribution of Public Education Expenditure in Malawi" Africa Region Working Paper Series No. 29.
1995	Mauritania 1995/96	Post-secondary education	4	15	16	20	45	Derived from: Sahn, David; Stephen D. 1999. "Fiscal Incidence in Africa: Microeconomic Evidence, Cornell Food and Nutrition Policy Program Working Paper No. 91. Ithaca, NY: Cornell University
1995	Mauritania 1995/96	Primary education	11	24	23	23	19	Derived from: Sahn, David; Stephen D. 1999. "Fiscal Incidence in Africa: Microeconomic Evidence, Cornell Food and Nutrition Policy Program Working Paper No. 91. Ithaca, NY: Cornell University
1995	Mauritania 1995/96	Secondary education	6	14	15	31	34	Derived from: Sahn, David; Stephen D. 1999. "Fiscal Incidence in Africa: Microeconomic Evidence, Cornell Food and Nutrition Policy Program Working Paper No. 91. Ithaca, NY: Cornell University
1996	Mexico 1996	All levels	19	18	20	22	21	Lopez-Acevedo, Gladys; Salinas, Angel. 2000. "The Distribution of Mexico's Public Spending on Education" WB Policy Research Working Paper No. 2404
1996	Mexico 1996	Lower-Secondary	19	21	21	24	15	Lopez-Acevedo, Gladys; Salinas, Angel. 2000. "The Distribution of Mexico's Public Spending on Education" WB Policy Research Working Paper No. 2404
1996	Mexico 1996	Primary	30	25	20	15	10	Lopez-Acevedo, Gladys; Salinas, Angel. 2000. "The Distribution of Mexico's Public Spending on Education" WB Policy Research Working Paper No. 2404
1996	Mexico 1996	Tertiary	1	4	15	30	50	Lopez-Acevedo, Gladys; Salinas, Angel. 2000. "The Distribution of Mexico's Public Spending on Education" WB Policy Research Working Paper No. 2404

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1996	Mexico 1996	Upper-Secondary	5	15	28	27	25	Lopez-Acevedo, Gladys; Salinas, Angel. 2000. "The Distribution of Mexico's Public Spending on Education" WB Policy Research Working Paper No. 2404
1991	Morocco 1991	All levels	15	17	20	25	23	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1998	Morocco 1998/99	All levels	12	17	23	24	24	Derived from Report No. 21506-MOR: Kingdom of Morocco Poverty Update Volume II: Annexes. 2001. The World Bank.
1998	Morocco 1998/99	Higher	2	10	21	31	37	Derived from Report No. 21506-MOR: Kingdom of Morocco Poverty Update Volume II: Annexes. 2001. The World Bank.
1998	Morocco 1998/99	Primary (all)	17	20	23	21	18	Derived from Report No. 21506-MOR: Kingdom of Morocco Poverty Update Volume II: Annexes. 2001. The World Bank.
1998	Morocco 1998/99	Primary 1	21	22	23	19	14	Derived from Report No. 21506-MOR: Kingdom of Morocco Poverty Update Volume II: Annexes. 2001. The World Bank.
1998	Morocco 1998/99	Primary 2	10	17	24	25	25	Derived from Report No. 21506-MOR: Kingdom of Morocco Poverty Update Volume II: Annexes. 2001. The World Bank.
1998	Morocco 1998/99	Secondary	4	12	23	27	34	Derived from Report No. 21506-MOR: Kingdom of Morocco Poverty Update Volume II: Annexes. 2001. The World Bank.
1996	Nepal 1996	All levels	11	12	14	18	46	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1993	Nicaragua 1993	All	9	13	18	25	35	2001 Poverty Assessment Volume I: Report No. 20488-NI
1993	Nicaragua 1993	All levels	9	12	16	24	40	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1993	Nicaragua 1993	Primary	16	21	22	22	19	World Bank. 2001. "Nicaragua Poverty Assessment Volume II" Report No. 20488-NI
1993	Nicaragua 1993	Secondary	4	15	27	23	32	World Bank. 2001. "Nicaragua Poverty Assessment Volume II" Report No. 20488-NI
1998	Nicaragua 1998	All	11	14	20	21	35	World Bank. 2001. "Nicaragua Poverty Assessment Volume II" Report No. 20488-NI
1998	Nicaragua 1998	Primary	23	24	23	19	10	World Bank. 2001. "Nicaragua Poverty Assessment Volume II" Report No. 20488-NI
1998	Nicaragua 1998	Secondary	6	15	24	30	25	World Bank. 2001. "Nicaragua Poverty Assessment Volume II" Report No. 20488-NI
1991	Pakistan 1991	All levels	14	17	19	21	29	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1997	Panama 1997	All levels	20	19	20	24	18	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1997	Panama 1997	All levels	12	18	22	27	21	World Bank 2000 "Panama Poverty Assessment: Priorities and Strategies for Poverty Reduction" Report No 20307.
1997	Panama 1997	Higher Education	1	6	15	35	43	World Bank 2000 "Panama Poverty Assessment: Priorities and Strategies for Poverty Reduction" Report No 20307.

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1997	Panama 1997	Pre-primary	16	28	25	25	6	World Bank 2000 "Panama Poverty Assessment: Priorities and Strategies for Poverty Reduction" Report No 20307.
1997	Panama 1997	Primary	34	26	22	14	4	World Bank 2000 "Panama Poverty Assessment: Priorities and Strategies for Poverty Reduction" Report No 20307.
1997	Panama 1997	Secondary	9	24	28	28	11	World Bank 2000 "Panama Poverty Assessment: Priorities and Strategies for Poverty Reduction" Report No 20307.
1990	Peru (Lima only) 1990	Primary	15	28	25	20	12	Grosh, Margaret, 1994. "Administring Targeted Social Programs in Latin America: From Platitudes to Practice," World Bank Regional and Sectoral Studies
1985	Peru 1985	Primary	26	26	18	14	16	Grosh, Margaret, 1994. "Administring Targeted Social Programs in Latin America: From Platitudes to Practice," World Bank Regional and Sectoral Studies
1985	Peru 1985	Secondary	11	19	23	25	22	Grosh, Margaret, 1994. "Administring Targeted Social Programs in Latin America: From Platitudes to Practice," World Bank Regional and Sectoral Studies
1990	Peru 1990 (Lima only)	Secondary	12	27	26	22	12	Grosh, Margaret, 1994. "Administring Targeted Social Programs in Latin America: From Platitudes to Practice," World Bank Regional and Sectoral Studies
1994	Peru 1994	All levels	15	19	22	23	22	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developeing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1994	Romania 1994	All levels	22	21	21	20	17	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developeing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1997	Romania 1997	Primary	21				10	World Bank. 2000. "Making transition work for everyone: Poverty and inequality in Europe and Central Asia". The World Bank.
1997	Romania 1997	Secondary	6				12	World Bank. 2000. "Making transition work for everyone: Poverty and inequality in Europe and Central Asia". The World Bank.
1997	Romania 1997	Tertiary	10				24	World Bank. 2000. "Making transition work for everyone: Poverty and inequality in Europe and Central Asia". The World Bank.
1993	South Africa 1993	All levels	21	19	17	20	23	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developeing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1994	South Africa 1994	All levels	14	15	16	20	35	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1994	South Africa 1994	Primary	19	18	17	19	28	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1994	South Africa 1994	Secondary	11	15	16	19	39	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
1994	South Africa 1994	Tertiary	6	10	14	23	47	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1999	Tajikistan 1999	General Grades 1-11	21	19	21	20	19	Burnett, Nicholas with Rodica Cnoblach. 2003. "Public spending on education in the poorest CIS countries: The hidden crisis" Draft.
1999	Tajikistan 1999	Specialized Secondary and Higher	14	15	21	22	28	Burnett, Nicholas with Rodica Cnoblach. 2003. "Public spending on education in the poorest CIS countries: The hidden crisis" Draft.
1993	Tanzania 1993	All levels	13	16	16	16	38	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1993	Tanzania 1993/94	All levels	14	16	16	16	37	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1993	Tanzania 1993/94	Primary	19	22	21	20	18	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1993	Tanzania 1993/94	Secondary	8	14	17	24	36	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1993	Tanzania 1993/94	Tertiary	0	0	0	0	100	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1992	Uganda 1992/93	All levels	13	15	18	22	32	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1992	Uganda 1992/93	Primary	19	21	21	20	18	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1992	Uganda 1992/93	Secondary	4	10	16	22	49	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1992	Uganda 1992/93	Tertiary	6	7	14	26	47	Castro-Leal, Florencia, Julia Dayton, Lionel Demery, and Kalpana Mehra. 1999. "Public Social Spending in Africa: Do the Poor Benefit?" World Bank Research Observer. 14(1) 49-72. (Q2-Q4 from EdStats)
1989	Uruguay 1989	Primary	41	25	16	12	6	Grosh, Margaret, 1994. "Adminstring Targeted Social Programs in Latin America: From Platitudes to Practice," World Bank Regional and Sectoral Studies
1989	Uruguay 1989	Secondary	16	22	24	22	16	Grosh, Margaret, 1994. "Adminstring Targeted Social Programs in Latin America: From Platitudes to Practice," World Bank Regional and Sectoral Studies

Year	Country	Type	Poorest quintile	Quintile 2	Quintile 3	Quintile 4	Richest quintile	Source
2000	Uzbekistan	All	16	20	20	21	24	Bonilla-Chacin, Maria E.; Murrugarra, Edmundo; Temourov, Moukim. Nov 18 2002 "Health Care during Transition and Health Systems Reform: Evidence from the Poorest CIS Countries" Draft.CIS-7 Conference
1991	Vietnam 1991	All levels	12	16	17	19	35	Li, Guo, Diane Steele, and Paul Glewwe, 1999. "Distribution of Government Education Expenditures in Developing Countries: Preliminary Estimates". Mimeo. DECRG, The World Bank.
1993	Vietnam 1993	All levels	17				23	Nguyen, Nga Nguyet, 2002. "Trends in the Education Sector from 1993-1998" Policy Research Working Paper Np. 2891
1993	Vietnam 1993	Lower-secondary	7	13	20	26	34	Nguyen, Nga Nguyet, 2002. "Trends in the Education Sector from 1993-1998" Policy Research Working Paper Np. 2891
1993	Vietnam 1993	Primary	20	18	21	24	17	Nguyen, Nga Nguyet, 2002. "Trends in the Education Sector from 1993-1998" Policy Research Working Paper Np. 2891
1993	Vietnam 1993	Upper Secondary	2	5	12	21	60	Nguyen, Nga Nguyet, 2002. "Trends in the Education Sector from 1993-1998" Policy Research Working Paper Np. 2891
1998	Vietnam 1998	All levels	18				21	Nguyen, Nga Nguyet, 2002. "Trends in the Education Sector from 1993-1998" Policy Research Working Paper Np. 2891
1998	Vietnam 1998	Lower-secondary	12	20	23	23	22	Nguyen, Nga Nguyet, 2002. "Trends in the Education Sector from 1993-1998" Policy Research Working Paper Np. 2891
1998	Vietnam 1998	Primary	26	22	20	27	13	Nguyen, Nga Nguyet, 2002. "Trends in the Education Sector from 1993-1998" Policy Research Working Paper Np. 2891
1998	Vietnam 1998	Upper Secondary	4	15	16	24	41	Nguyen, Nga Nguyet, 2002. "Trends in the Education Sector from 1993-1998" Policy Research Working Paper Np. 2891
1998	Yemen 1998	All	19	18	20	21	22	World Bank 2002 "Republic of Yemen Poverty Update" Annex 7 Report No 24422
1998	Yemen 1998	Basic	21	20	21	20	18	World Bank 2002 "Republic of Yemen Poverty Update" Annex 7 Report No 24422
1998	Yemen 1998	Secondary	17	16	21	21	25	World Bank 2002 "Republic of Yemen Poverty Update" Annex 7 Report No 24422
1998	Yemen 1998	University	10	12	17	24	37	World Bank 2002 "Republic of Yemen Poverty Update" Annex 7 Report No 24422
1998	Yemen 1998	Vocational training	9	8	22	24	37	World Bank 2002 "Republic of Yemen Poverty Update" Annex 7 Report No 24422