

## Development Indicators Time Series Cross Sectional Database

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Fall 2002

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The data in the "Development Indicators Time Series Cross Sectional Database" were compiled at the Woodrow Wilson International Center for Scholars (2000-2001) and at Wesleyan University (2001-2002). No source was used that cannot be obtained at the Library of Congress or at a good research library in the United States. My contributions have been (1) to identify indicators pertinent to research on socioeconomic and policy determinants of premature mortality, (2) to make judgments about whether the estimates obtained are the most complete and reliable available for a wide range of developing countries, and (3) to organize the data accessibly for public distribution.

The database, written in Microsoft Excel 4.0 for the Macintosh, may be downloaded as a Microsoft Excel file at <http://condor.wesleyan.edu/jmcguire/data>. If you use these data, please cite the database as follows.

McGuire, James W., compiler (2002). Development Indicators Time Series Cross Sectional Database. Accessed March 20, 2003 (or whenever), at <http://condor.wesleyan.edu/jmcguire/data>

The 45 variables in the database are listed below. The indicators that vary over time include infant mortality, under-5 mortality, GDP per capita, health spending, health facilities, health personnel, health care delivery, family planning, democracy, and autocracy. The variables stipulated to be time-invariant are income inequality, religion, ethnic fragmentation, world region, tropical location, coastal access, and remoteness from major centers of world economic activity.

The developing countries in the database are Algeria, Argentina, Bangladesh, Benin, Bolivia, Botswana, Brazil, Burkina Faso, Cambodia, Cameroon, Central African Republic, Chad, Chile, China, Colombia, Congo, Costa Rica, Cote d'Ivoire, Cuba, Domin Rep, Ecuador, Egypt, El Salvador, Ethiopia, Ghana, Guatemala, Guinea, Guinea-Bissau, Guyana, Haiti, Honduras, Hong Kong, India, Indonesia, Iran, Iraq, Jamaica, Jordan, Kenya, Korea (North), Korea (South) Kuwait, Laos, Lebanon, Lesotho, Madagascar, Malawi, Malaysia, Mali, Mauritania, Mauritius, Mexico, Mongolia, Morocco, Mozambique, Myanmar, Namibia, Nepal, Nicaragua, Niger, Nigeria, Oman, Pakistan, Panama, Papua New Guinea, Paraguay, Peru, Philippines, Rwanda, Saudi Arab, Senegal, Sierra Leone, Singapore, South Africa, Sri Lanka, Sudan, Syria, Taiwan, Tanzania, Thailand, Togo, Trinidad and Tobago, Tunisia, Turkey, United Arab Emirates, Uganda, Uruguay, Venezuela, Vietnam, Yemen, Zambia, and Zimbabwe. Together, these countries include 98 percent of the population of developing countries with populations of 500,000 or more.

The observations are for 1960, 1965, 1970, 1975, 1980, 1985, 1990, and 1995. Annotations and full citations are in the database itself, at the foot of each column of observations.

A sample of six of the 45 variables in the database appears at the end of this document.

1. Mortality, Infant Mortality, Hill, imr
2. Mortality, Infant mortality, Hill, natural log, limr
3. Mortality, Infant mortality, Hill, natural log, 1st difference, dlimr
4. Mortality, Infant mortality, Hill, natural log, lagged (1 per = 5 yrs), limrlag
5. Mortality, Under-5 mortality, Hill, u5mr
6. Mortality, Under-5 mortality, Hill, natural log, lu5mr
7. Mortality, Under-5 mortality, Hill, natural log, 1st difference, dlu5mr
8. Mortality, Under-5 mortality, Hill, natural log, lagged (1 per = 5 yrs), lu5mrlag
9. Economic, Per capita GDP at PPP, PWT 6.0, gdpp0
10. Economic, Per capita GDP at PPP, PWT 6.0, natural log, lgdpp0
11. Economic, Per capita GDP at PPP, PWT 6.1, gdpp1
12. Economic, Per capita GDP at PPP, PWT 6.1, natural log, lgdpp1
13. Economic, Per capita GDP at PPP, PWT 6.1, natural log, 1st diff, dldgpp1
14. Education, Mean Years of Schooling, Female, 15+, Barro, mysf
15. Education, Mean Years of Schooling, Female, 15+, Barro, 1st diff, dmysf
16. Demography, Total fertility rate, WB HNP, fert
17. Health personnel, Physicians (per 1,000 people), WB HNP, docshnp
18. Health personnel, Physicians (per 1,000 people), WB WDI, docswdi
19. Health personnel, Physicians (per 1,000 people), WB HNP, 1st diff, ddocswdi
20. Health facilities, Hospital beds (per 1,000 people), WB WDI, beds
21. Health facilities, Hospital beds (per 1,000 people), WB WDI, 1st difference, dbeds
22. Health care deliv., Percent of births attended by trained personnel, WB HNP, delivwb
23. Health care deliv., Percent of births attended by trained personnel, WB HNP, dbirthat
24. Health care deliv., Immunization, DPT (% of children under 12 months), 5-year means, WB HNP, vacdpt
25. Health care deliv., Immunization, measles (% of children under 12 months), 5-year means, WB HNP, vacmeas
26. Family planning, Postpartum care with family planning component, Ross database, rpos
27. Family planning, Total family planning effort score, Ross database, rtot
28. Political, Democracy, Polity IV, democ
29. Political, Autocracy, Polity IV, autoc
30. Political, Democracy minus Autocracy, Polity IV, polity
31. Political, Democracy plus 10 minus Autocracy, Polity IV, polity20
32. Time, Time, time
33. Econ (time-invar), Gini index of income inequality, average. Missing data IMPUTED, giniavgx
34. Cult (time-invar), 90%+ Muslim, Filmer, musl
35. Cult (time-invar), Index of ethnic fractionalization, La Porta, ethnl
36. Reg (time-invar.), East Asia & Pacific, east
37. Reg (time-invar.), Sub-Saharan Africa, afri
38. Reg (time-invar.), Latin America & Caribbean, lati
39. Reg (time-invar.), Middle East & North Africa, midd
40. Reg (time-invar.), South Asia, sout
41. Geog(time-invar), Latitude of capital city, latcap
42. Geog(time-invar), Any part of country's territory within 20 degrees of equator, trop20
43. Geog(time-invar), Proportion of population within 100 km of the coast or sea-navigable river, popcrgs
44. Geog(time-invar), Whether country is landlocked, locked
45. Geog(time-invar), Distance by air to closest among NY, Rotterdam, Tokyo, airdist

**SAMPLE of 6 of the 45 variables in the database**

Type			Mortality	Economic	Education	Health personnel	Political	Geography (time-invariant)
Indicator			Under-5 mortality, Hill	Per capita GDP at PPP, PWT 6.1	Mean Years of Schooling, Female, 15+, Barro & Lee	Physicians (per 1,000 people), WB WDI	Democracy, Polity IV	Latitude of capital city
ctry	panelvar	timevar	u5mr	gdpp1	mysf	docswdi	democ	latcap
Algeria	1	1960	280	2664	0.98	0.17		36.50
Algeria	1	1965	188	3308	1.04	0.12	0.0	36.50
Algeria	1	1970	234	3433	1.56	0.12	0.0	36.50
Algeria	1	1975	182	3665	2.01		0.0	36.50
Algeria	1	1980	134	4765	2.68	0.38	0.0	36.50
Algeria	1	1985	86	5498	3.46	0.43	0.0	36.50
Algeria	1	1990	45	4965	4.25	0.69	0.4	36.50
Algeria	1	1995	27	4617	4.83	0.82	0.4	36.50
Argentina	2	1960	72	7371	5.25	1.35	3.0	-34.40
Argentina	2	1965	66	8235	5.45	1.67	3.0	-34.40
[716 obs. omitted]	.....	.....	.....	.....	.....	.....	.....	.....
Zambia	91	1990	184	1021	4.18	0.09	0.0	-15.26
Zambia	91	1995	204	814	5.42		6.0	-15.26
Zimbabwe	92	1960	159	1232	1.64	0.20		-17.43
Zimbabwe	92	1965	148	1440	1.84	0.12		-17.43
Zimbabwe	92	1970	138	2155	1.99	0.16	7.0	-17.43
Zimbabwe	92	1975	128	2520	2.08	0.16	7.0	-17.43
Zimbabwe	92	1980	108	2634	2.13	0.15	6.8	-17.43
Zimbabwe	92	1985	86	2735	2.69	0.15	4.2	-17.43
Zimbabwe	92	1990	81	2914	5.04	0.14	0.6	-17.43
Zimbabwe	92	1995	80	2650	5.19	0.13	0.0	-17.43

**Source** Hill, Kenneth. et al. (1999). Trends in Child Mortality in the Developing World: 1960-1996. New York: UNICEF. Data for 5 of the 92 countries are from World Bank HNP stat compiler; data for 3 of the 92 countries are from UNDP HDR 1993 (see notes)

Alan Heston, Robert Summers and Bettina Aten, Penn World Table Version 6.1, Center for International Comparisons at the University of Pennsylvania (CICUP), October 2002. Accessed October 20, 2002, at <http://pwt.econ.upenn.edu>

Barro, Robert J. and Jong-Wha Lee (2000). "Int'l Data on Educ. Attainm.: Updates and Implications." Wrk. Pap. 42, Ctr. for Int'l Devel., Harvard U. (April), Appx. Data Tab. Acc. June 20, 2001, at [http://www2.cidd.harvard.edu/panel\\_data.xls](http://www2.cidd.harvard.edu/panel_data.xls)

World Bank (2001). World Development Indicators on CD-ROM. Washington, DC: World Bank.

Calc. from Jagers, Keith, and Monty G. Marshall (2000) "Polity IV Project." Center for International Development and Conflict Management, University of Maryland. Accessed January, 2002, at <ftp://isere.colorado.edu/pub/datasets/p4/p4vks.g.asc>

Oxford Atlas of the World (1996); Munro 1988; MIT geographic nameserver at <http://www.mit.edu:8001/geo/>; United States, National Imagery and Mapping Agency, GEOnet names server, at [164.214.2.59/gns/html/index.html](http://164.214.2.59/gns/html/index.html)

**Notes** Note: Guinea-Bissau, Guyana, Malaysia, Saudi Arabia, and South Africa: World Bank WDI CDROM.

Mean years of schooling in the female population aged 15 and older

Average democracy score in given year and four preceding years