

Plan B 4.0 - Supporting Data for Chapter 7

[World Population, 1950-2008](#)

GRAPH: World Population, 1950-2008

[World Population, 1950-2008, with Projections to 2050](#)

GRAPH: World Population, 1950-2008, with Projections to 2050

[Life Expectancy for the World and Selected Regions, 1950-2005, with Projection to 2050](#)

GRAPH: Life Expectancy for the World, 1950-2005, with Projection to 2050

GRAPH: Life Expectancy in Africa, 1950-2005, with Projection to 2050

GRAPH: Life Expectancy in Sub-Saharan Africa, 1950-2005, with Projection to 2050

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[Gross Domestic Product for China and India, 1980-2008](#)

GRAPH: Gross Domestic Product for China and India, 1980-2008

[Per Capita Gross Domestic Product for China and India, 1980-2008](#)

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[Population Living Below \\$1.25 Per Day in Selected Countries and Regions, 1990-2007](#)

GRAPH: Population Living Below \$1.25 Per Day in Selected Countries and Regions, 1990-2007

[Plan B Budget: Additional Annual Funding Needed to Reach Basic Social Goals](#)

A full listing of data for the entire book is on-line at:

http://www.earthpolicy.org/index.php?/books/pb4/pb4_data

This is part of a supporting dataset for Lester R. Brown, **Plan B 4.0: Mobilizing to Save Civilization** (New York: W.W. Norton & Company, 2009). For more information and a free download of the book, see Earth Policy Institute on-line at www.earthpolicy.org.

World Population, 1950-2008

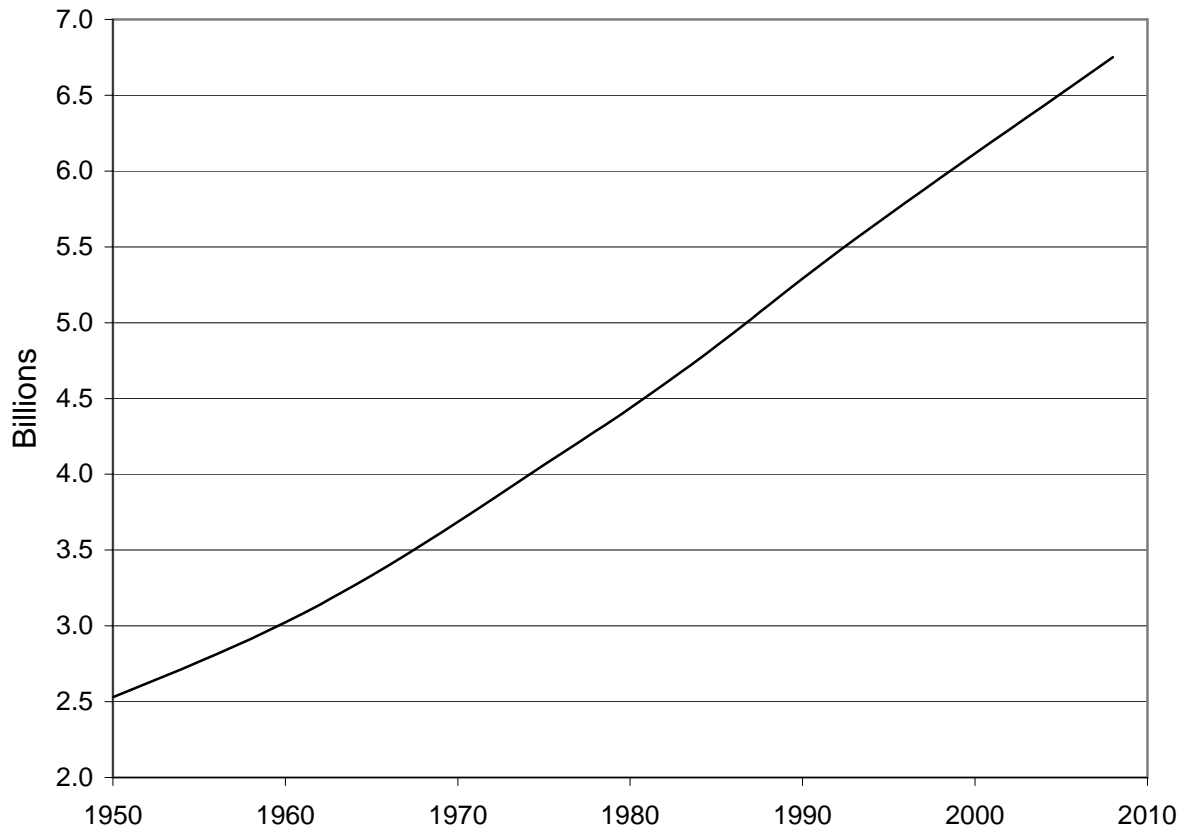
Year	Population Billions
1950	2.53
1951	2.58
1952	2.62
1953	2.67
1954	2.72
1955	2.76
1956	2.81
1957	2.86
1958	2.91
1959	2.97
1960	3.02
1961	3.08
1962	3.14
1963	3.20
1964	3.27
1965	3.33
1966	3.40
1967	3.47
1968	3.54
1969	3.61
1970	3.69
1971	3.76
1972	3.84
1973	3.91
1974	3.99
1975	4.06
1976	4.14
1977	4.21
1978	4.29
1979	4.36
1980	4.44
1981	4.52
1982	4.60
1983	4.68
1984	4.76
1985	4.85
1986	4.93
1987	5.02
1988	5.11
1989	5.20
1990	5.29
1991	5.38
1992	5.46
1993	5.55
1994	5.63
1995	5.71
1996	5.79

1997	5.88
1998	5.96
1999	6.04
2000	6.12
2001	6.19
2002	6.27
2003	6.35
2004	6.43
2005	6.51
2006	6.59
2007	6.67
<u>2008</u>	<u>6.75</u>

Source: United Nations Population Division, *World Population Prospects: The 2008 Revision Population Database*, electronic database, at <http://esa.un.org/unpp>, updated 11 March 2009.

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World Population, 1950-2008



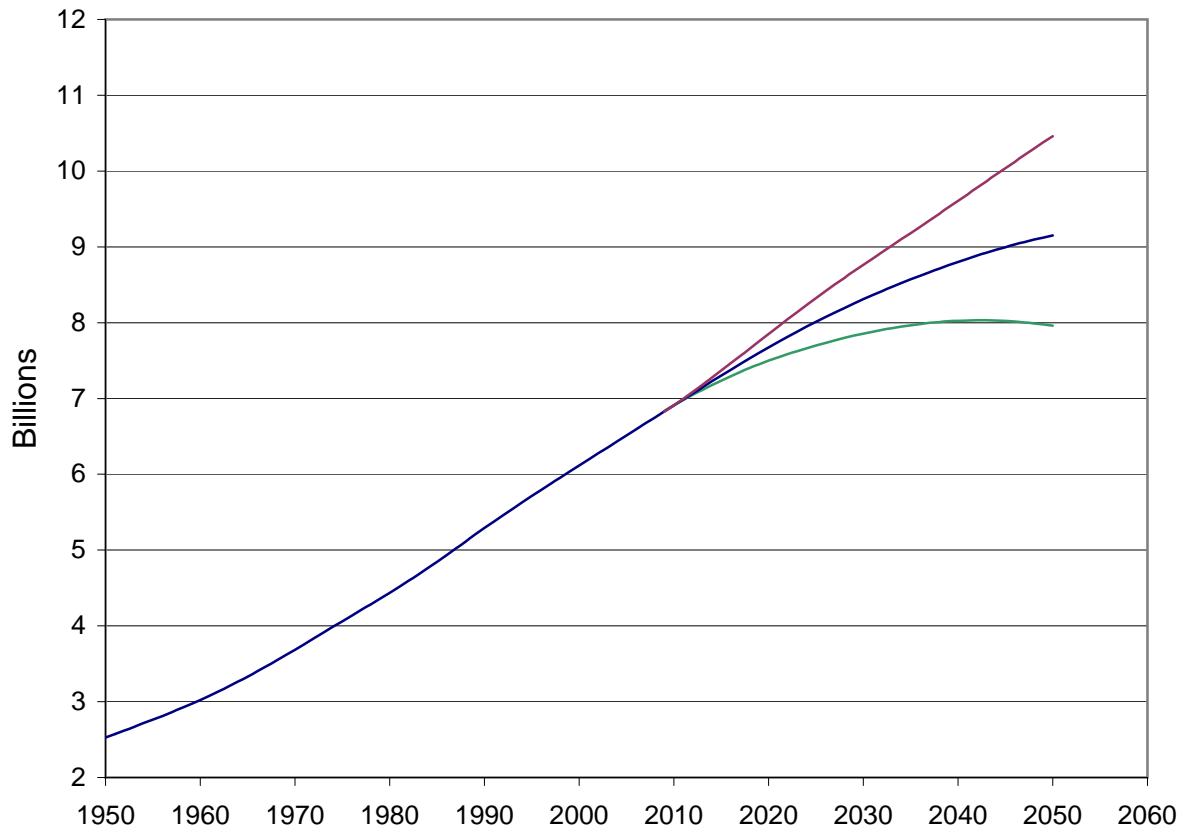
Source: UNPop

World Population, 1950-2008, with Projections to 2050

Year	Population Billions	Year	Population Projections		
			Low	Medium	High
1950	2.5	2009	6.8	6.8	6.8
1951	2.6	2010	6.9	6.9	6.9
1952	2.6	2011	7.0	7.0	7.0
1953	2.7	2012	7.0	7.1	7.1
1954	2.7	2013	7.1	7.1	7.2
1955	2.8	2014	7.2	7.2	7.3
1956	2.8	2015	7.2	7.3	7.4
1957	2.9	2016	7.3	7.4	7.5
1958	2.9	2017	7.3	7.5	7.6
1959	3.0	2018	7.4	7.5	7.7
1960	3.0	2019	7.5	7.6	7.8
1961	3.1	2020	7.5	7.7	7.9
1962	3.1	2021	7.5	7.7	7.9
1963	3.2	2022	7.6	7.8	8.0
1964	3.3	2023	7.6	7.9	8.1
1965	3.3	2024	7.7	7.9	8.2
1966	3.4	2025	7.7	8.0	8.3
1967	3.5	2026	7.7	8.1	8.4
1968	3.5	2027	7.8	8.1	8.5
1969	3.6	2028	7.8	8.2	8.6
1970	3.7	2029	7.8	8.3	8.7
1971	3.8	2030	7.9	8.3	8.8
1972	3.8	2031	7.9	8.4	8.8
1973	3.9	2032	7.9	8.4	8.9
1974	4.0	2033	7.9	8.5	9.0
1975	4.1	2034	7.9	8.5	9.1
1976	4.1	2035	8.0	8.6	9.2
1977	4.2	2036	8.0	8.6	9.3
1978	4.3	2037	8.0	8.7	9.4
1979	4.4	2038	8.0	8.7	9.4
1980	4.4	2039	8.0	8.8	9.5
1981	4.5	2040	8.0	8.8	9.6
1982	4.6	2041	8.0	8.8	9.7
1983	4.7	2042	8.0	8.9	9.8
1984	4.8	2043	8.0	8.9	9.9
1985	4.8	2044	8.0	9.0	10.0
1986	4.9	2045	8.0	9.0	10.0
1987	5.0	2046	8.0	9.0	10.1
1988	5.1	2047	8.0	9.1	10.2
1989	5.2	2048	8.0	9.1	10.3
1990	5.3	2049	8.0	9.1	10.4
1991	5.4	2050	8.0	9.1	10.5
1992	5.5				
1993	5.5				
1994	5.6				
1995	5.7				
1996	5.8				
1997	5.9				
1998	6.0				
1999	6.0				
2000	6.1				
2001	6.2				
2002	6.3				
2003	6.4				
2004	6.4				
2005	6.5				
2006	6.6				
2007	6.7				
2008	6.8				

Source: United Nations Population Division, *World Population Prospects: The 2008 Revision Population Database*, electronic database, at esa.un.org/unpp, updated 11 March 2009.

World Population, 1950-2008, with Projections to 2050



Source: UNPop

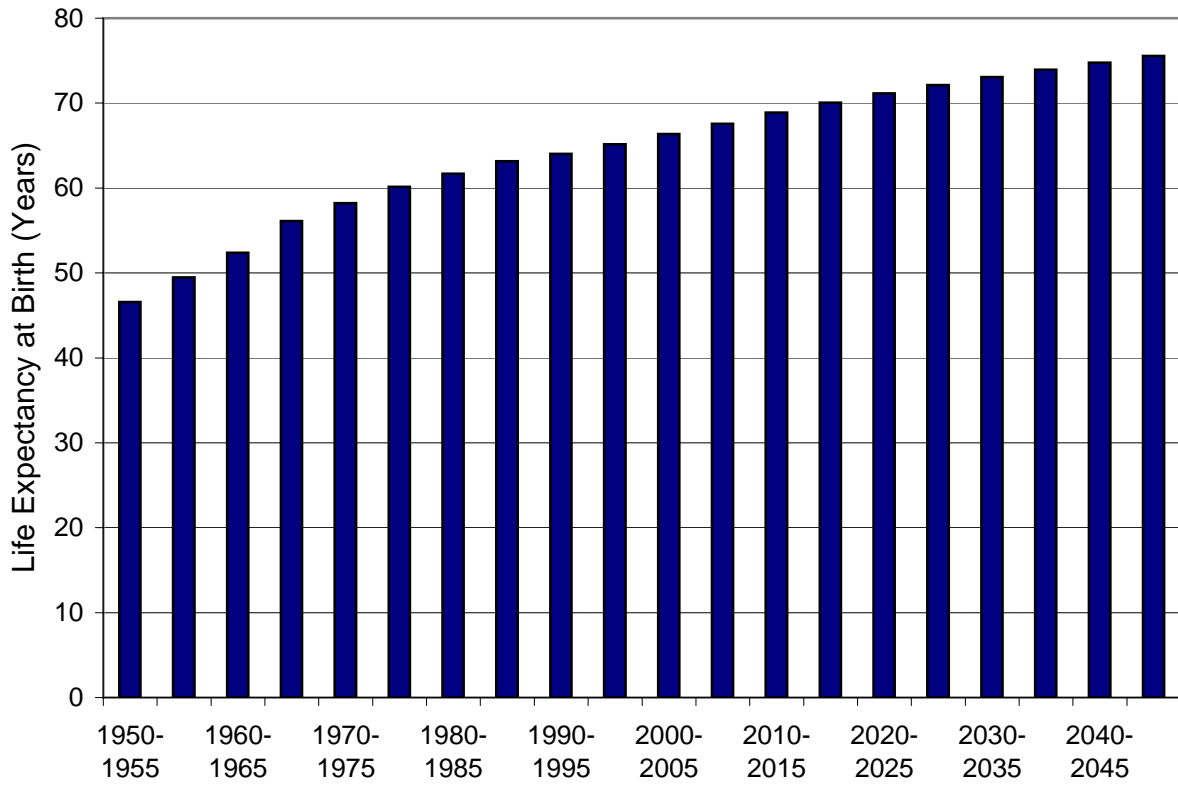
Life Expectancy for the World and Selected Regions, 1950-2005, with Projection to 2050

Period	Africa	Sub-Saharan Africa	Asia	Europe	Latin America & the Caribbean	U.S. & Canada	Oceania	World
	Years							
1950-1955	39	38	41	66	51	69	60	47
1955-1960	41	40	44	68	54	70	62	49
1960-1965	43	42	48	70	57	70	64	52
1965-1970	44	43	54	70	59	70	65	56
1970-1975	46	45	57	71	61	72	66	58
1975-1980	49	47	59	71	63	73	68	60
1980-1985	50	48	61	72	65	74	70	62
1985-1990	51	49	63	73	67	75	71	63
1990-1995	52	49	64	73	69	76	72	64
1995-2000	52	49	66	73	71	78	73	65
2000-2005	53	50	68	74	72	78	75	66
2005-2010	54	51	69	75	73	79	76	68
2010-2015	56	53	70	76	75	80	77	69
2015-2020	58	55	72	77	76	81	78	70
2020-2025	59	57	73	78	76	81	79	71
2025-2030	61	59	74	79	77	82	80	72
2030-2035	63	61	75	80	78	82	80	73
2035-2040	64	63	75	80	79	83	81	74
2040-2045	66	64	76	81	79	83	82	75
2045-2050	67	66	77	82	80	83	82	76

Source: Compiled by Earth Policy Institute from U.N. Population Division, *World Population Prospects: The 2008 Revision, CD-ROM Edition* (Rome: May 2009).

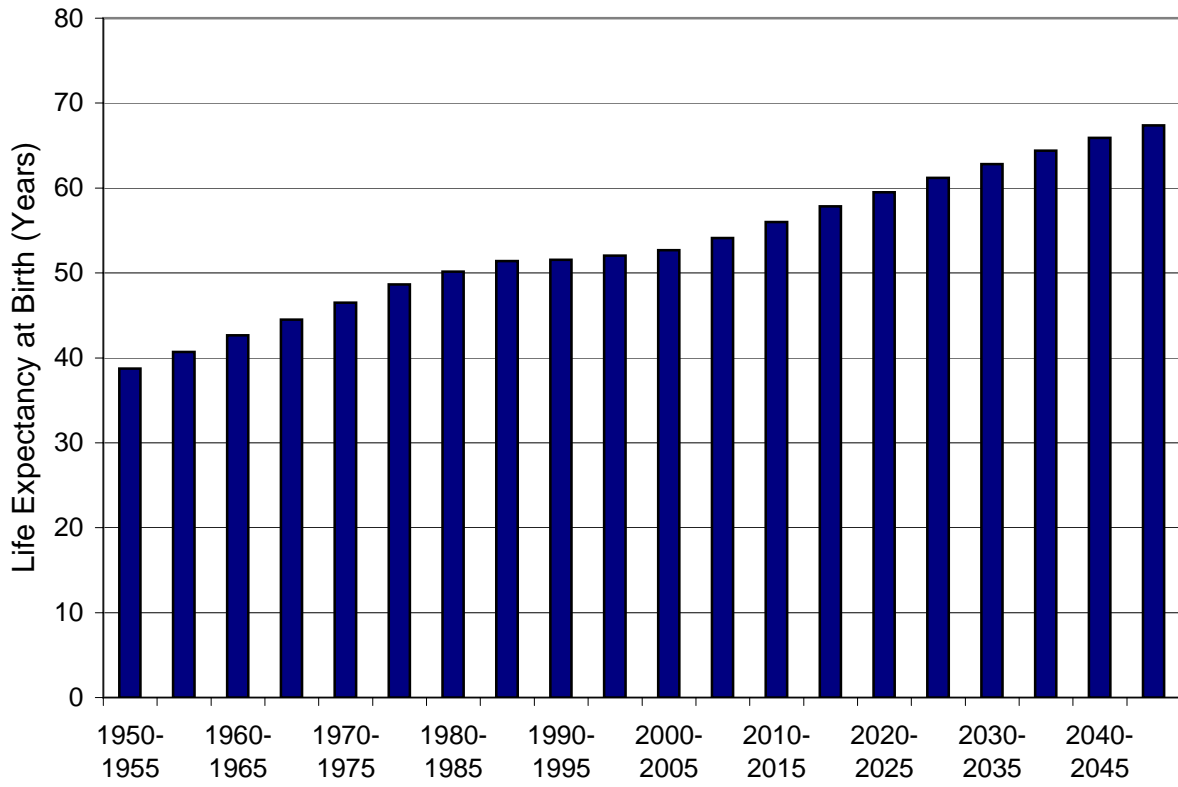
This is part of a supporting dataset for Lester R. Brown, **Plan B 4.0: Mobilizing to Save Civilization** (New York: W.W. Norton & Company, 2009). For more information and a free download of the book, see Earth Policy Institute on-line at www.earthpolicy.org.

Life Expectancy for the World, 1950-2005,
with Projection to 2050



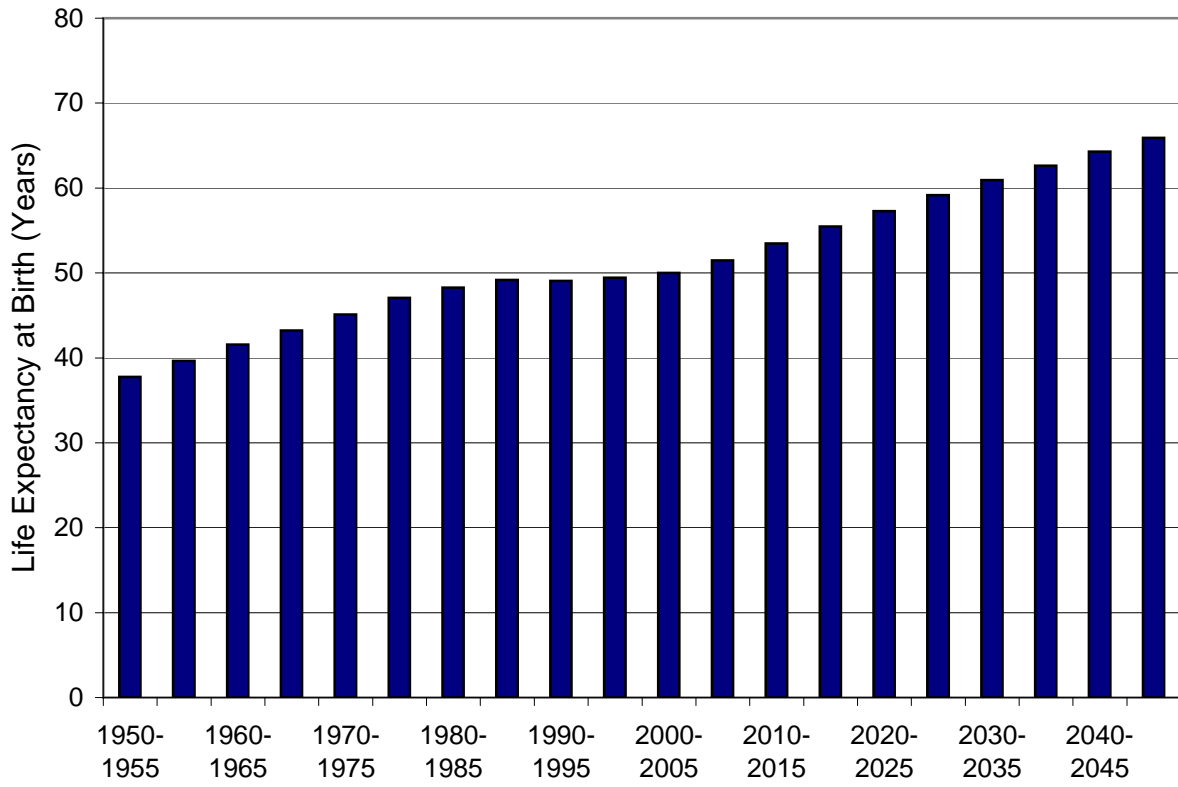
Source: UNPop

Life Expectancy in Africa, 1950-2005, with Projection to 2050



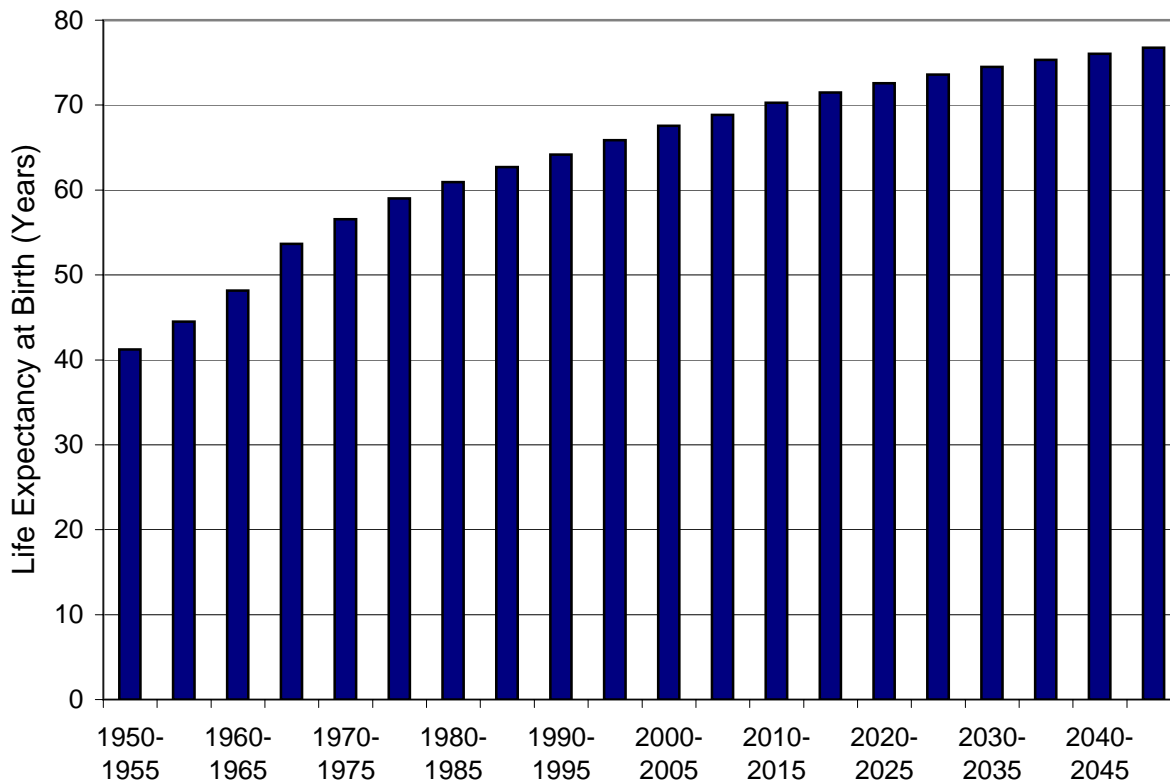
Source: UNPop

Life Expectancy in Sub-Saharan Africa, 1950-2005,
with Projection to 2050



Source: UNPop

Life Expectancy in Asia, 1950-2005, with Projection to 2050



Source: UNPop

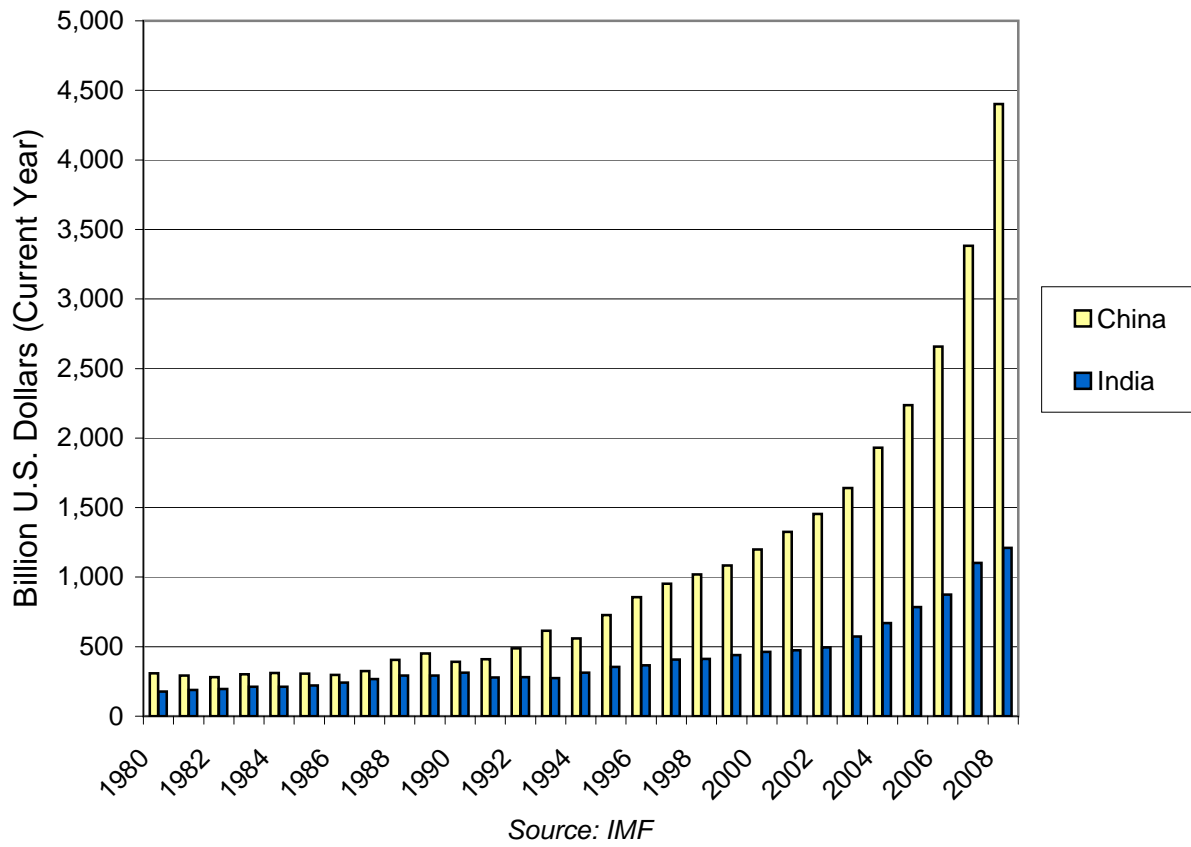
Gross Domestic Product for China and India, 1980-2008

Year	China	India
	Billion U.S. Dollars (Current Year)	
1980	309	177
1981	293	189
1982	281	195
1983	302	211
1984	311	212
1985	307	220
1986	298	242
1987	324	267
1988	404	293
1989	451	292
1990	390	314
1991	409	279
1992	488	281
1993	613	275
1994	559	312
1995	728	354
1996	856	365
1997	953	408
1998	1,019	412
1999	1,083	439
2000	1,198	462
2001	1,325	473
2002	1,454	495
2003	1,641	573
2004	1,932	669
2005	2,236	784
2006	2,658	875
2007	3,382	1,102
2008	4,402	1,210

Source: International Monetary Fund (IMF), *World Economic Outlook 2009*, electronic database, at <http://www.imf.org/external/pubs/ft/weo/2009/01/weodata/index.aspx>, updated April 2009.

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Gross Domestic Product for China and India, 1980-2008



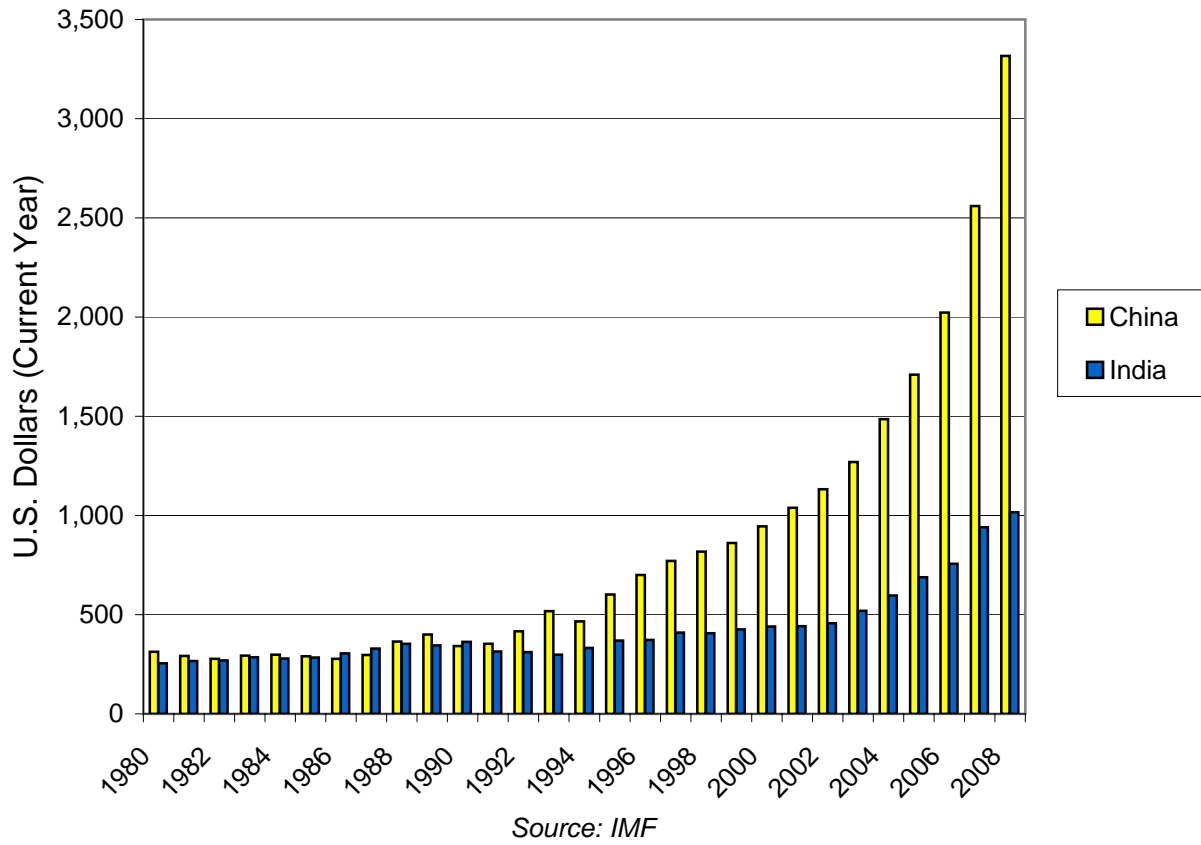
Per Capita Gross Domestic Product for China and India, 1980-2008

Year	China	India
	U.S. Dollars (Current Year)	
1980	313	255
1981	292	267
1982	277	270
1983	293	285
1984	298	280
1985	290	284
1986	277	305
1987	296	330
1988	364	354
1989	400	345
1990	341	363
1991	353	315
1992	417	311
1993	517	298
1994	467	332
1995	601	369
1996	699	373
1997	771	410
1998	817	406
1999	861	426
2000	946	440
2001	1,038	443
2002	1,132	456
2003	1,270	519
2004	1,486	597
2005	1,710	689
2006	2,022	757
2007	2,560	940
2008	3,315	1,016

Source: International Monetary Fund (IMF), World Economic Outlook 2009, electronic database, at <http://www.imf.org/external/pubs/ft/weo/2009/01/weodata/index.aspx>, updated April 2009.

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Per Capita Gross Domestic Product for China and India, 1980-2008



Global Wild Poliovirus Cases, 1985-2008

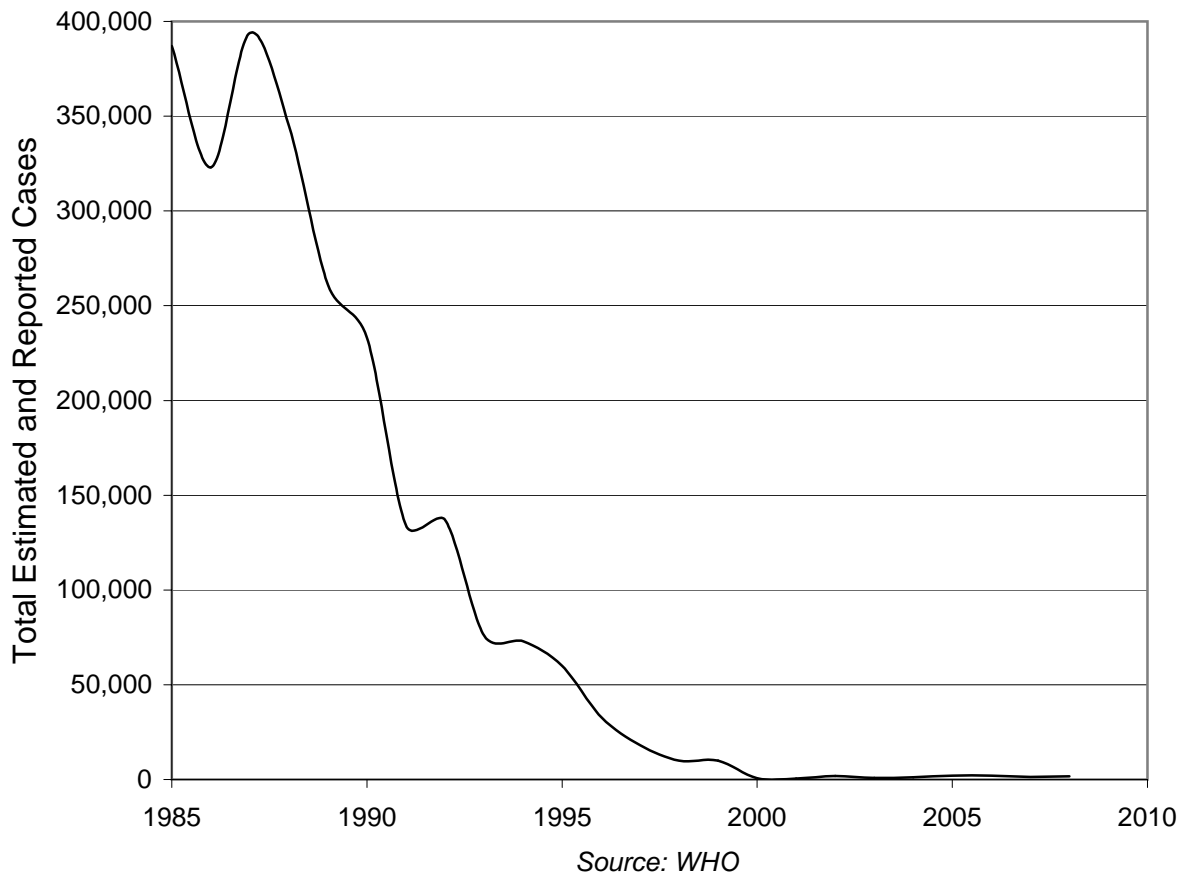
Year	Estimated and Reported Cases*
1985	387,000
1986	323,000
1987	394,000
1988	345,000
1989	261,000
1990	233,000
1991	134,000
1992	137,000
1993	76,000
1994	73,000
1995	60,000
1996	33,000
1997	18,000
1998	10,000
1999	10,000
2000	719
2001	483
2002	1,918
2003	784
2004	1,255
2005	1,979
2006	1,997
2007	1,315
2008	1,651

*Note: Cases prior to 2000 are largely comprised of estimates because disease surveillance was not sufficiently sensitive to provide a precise number of cases.

Source: 1985-1999 from Oliver Rosenbauer, World Health Organization (WHO), "Progress in Polio Eradication, Estimated and Reported Polio Cases, 1985-2006," September 2007; 2000-2009 from "Wild Poliovirus 2000-2009," in WHO Global Polio Eradication Initiative, "Wild Poliovirus Weekly Update," at www.polioeradication.org, updated 6 August 2009.

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Global Wild Poliovirus Cases, 1985-2008



Leading Causes of Death in the World, 2004

Cause	World	High-income	Low- and middle-
		countries	income countries
Million Deaths			
Cardiovascular diseases	17.1	3.0	14.0
Infectious and parasitic diseases, <i>including:</i>	9.5	0.2	9.3
<i>Diarrhoeal diseases</i>	2.2	0.0	2.1
<i>HIV/AIDS</i>	2.0	0.0	2.0
<i>Tuberculosis</i>	1.5	0.0	1.4
<i>Malaria</i>	0.9	0.0	0.9
Cancers, <i>including:</i>	7.6	2.2	5.4
<i>Trachea/bronchus/lung</i>	1.3	0.5	0.8
Respiratory infections	4.3	0.3	3.9
Respiratory diseases	4.0	0.5	3.6
Unintentional injuries	3.9	0.3	3.6
Perinatal conditions	3.2	0.0	3.1
Digestive diseases	2.0	0.3	1.7
Intentional injuries	1.6	0.2	1.5
Neuropsychiatric conditions	1.3	0.5	0.8
Diabetes mellitus	1.1	0.2	0.9
Diseases of the genitourinary system	0.9	0.2	0.8
Maternal conditions	0.5	0.0	0.5
Nutritional deficiencies	0.5	0.0	0.5
All Causes	58.8	8.1	50.6

Note: Sums do not always add to totals because WHO excludes some "residual populations" outside WHO member states from its income categories and because minor causes of death are omitted from list.

Source: Compiled by Earth Policy Institute from "Mortality and Morbidity: Deaths - LMIC Countries by WHO Region," table for *The Global Burden of Disease: 2004 Update* (World Health Organization (WHO), 2008), at www.who.int/healthinfo/global_burden_disease/estimates_regional/en/index.html.

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Official Development Assistance from Development Assistance Committee Members, 1960-2008

Year	Total Net ODA	Total ODA Grants	Debt Forgiveness Grants
	Billion U.S. Dollars (Current Year)		
1960	4.7	3.7	0.0
1961	5.2	4.0	0.0
1962	5.6	4.0	0.0
1963	5.8	3.9	0.0
1964	5.9	3.8	0.0
1965	6.5	3.7	0.0
1966	6.5	3.7	0.0
1967	6.4	3.6	0.0
1968	6.9	3.3	0.0
1969	6.9	3.2	0.0
1970	6.7	3.3	0.0
1971	7.3	3.6	0.0
1972	8.8	4.4	0.3
1973	8.7	4.5	0.0
1974	11.2	5.3	0.0
1975	13.3	6.3	0.0
1976	13.2	6.6	0.1
1977	15.0	7.2	0.2
1978	19.1	9.4	0.7
1979	21.8	11.7	0.5
1980	26.2	13.0	1.2
1981	24.6	12.2	0.2
1982	27.0	12.5	0.1
1983	26.8	13.3	0.1
1984	28.1	14.8	0.1
1985	28.8	17.0	0.3
1986	35.8	20.0	0.3
1987	40.6	22.2	0.2
1988	47.1	24.7	0.3
1989	45.7	25.8	0.6
1990	54.3	32.3	4.3
1991	58.3	36.5	6.0
1992	62.4	34.8	3.0
1993	56.1	33.5	2.7
1994	58.8	35.2	3.5
1995	58.8	36.2	3.8
1996	55.6	36.6	3.5
1997	48.5	31.3	3.2
1998	52.1	32.5	3.3
1999	53.2	33.9	2.5
2000	53.7	33.0	2.2
2001	52.4	33.5	2.6
2002	58.3	39.8	5.4
2003	69.1	50.9	8.5
2004	79.4	57.2	7.3
2005	107.1	83.4	25.2
2006	104.4	79.4	19.9
2007	103.5	75.3	9.9
2008	119.8	86.4	11.3

Notes:

1) Total Net ODA refers to total grants (transfers of cash, goods, and services not requiring repayment) and loans/credits provided to recipient countries, minus repayments to donor countries of principal on loans.

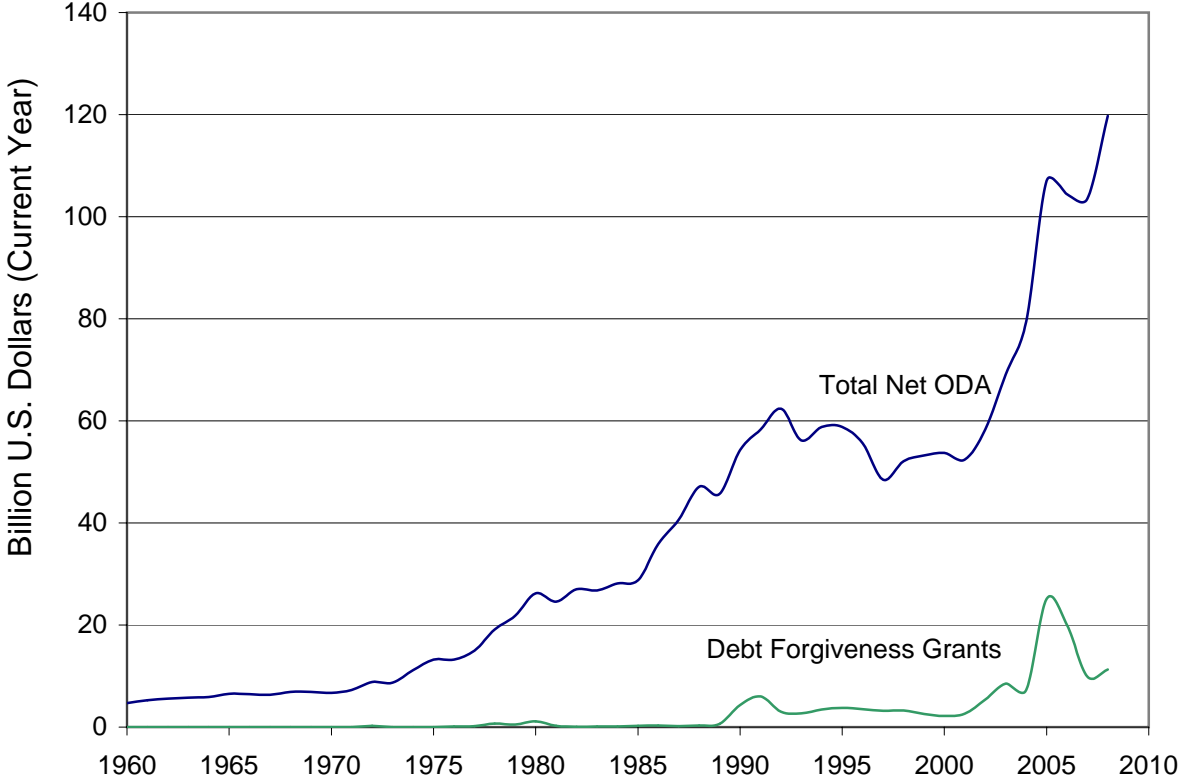
2) The Development Assistance Committee (DAC) is a group of twenty-three major bilateral donors: the EU-15, plus Australia, Canada, Japan, New Zealand, Norway, Switzerland, the United States, and the European Commission.

3) Total Net ODA from DAC countries is equal to 98.7% of total Net ODA distributed to recipient countries. Total ODA Grants from DAC countries is equal to 99.4% of total ODA Grants distributed to recipient countries. Debt Forgiveness Grants from DAC countries are equal to 99.9% of all Debt Forgiveness distributed to recipient countries.

Source: Organisation for Economic Cooperation and Development, *OECD Statistics*, electronic database, at <http://stats.oecd.org/wbos/default.aspx>, updated 30 March 2009; OECD, "DAC's Glossary," at www.oecd.org/glossary/0,3414,en_2649_3372

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Official Development Assistance from Development Assistance Committee Members, 1960-2008



Source: OECD

Population Living Below \$1.25 Per Day in Selected Countries and Regions, 1990-2007

Year	China	India ⁽¹⁾	Brazil	Sub-Saharan Africa	All Developing Countries ⁽²⁾
Percent of Population					
1990	60	54	15	58	42
1995	36	49	11	59	35
2000	36	-	11	58	34
2007 ⁽³⁾	16	42	5	51	25

⁽¹⁾ Number given for India's 1990 poverty rate differs slightly from number given in book due to difference between World Bank and United Nations population estimates.

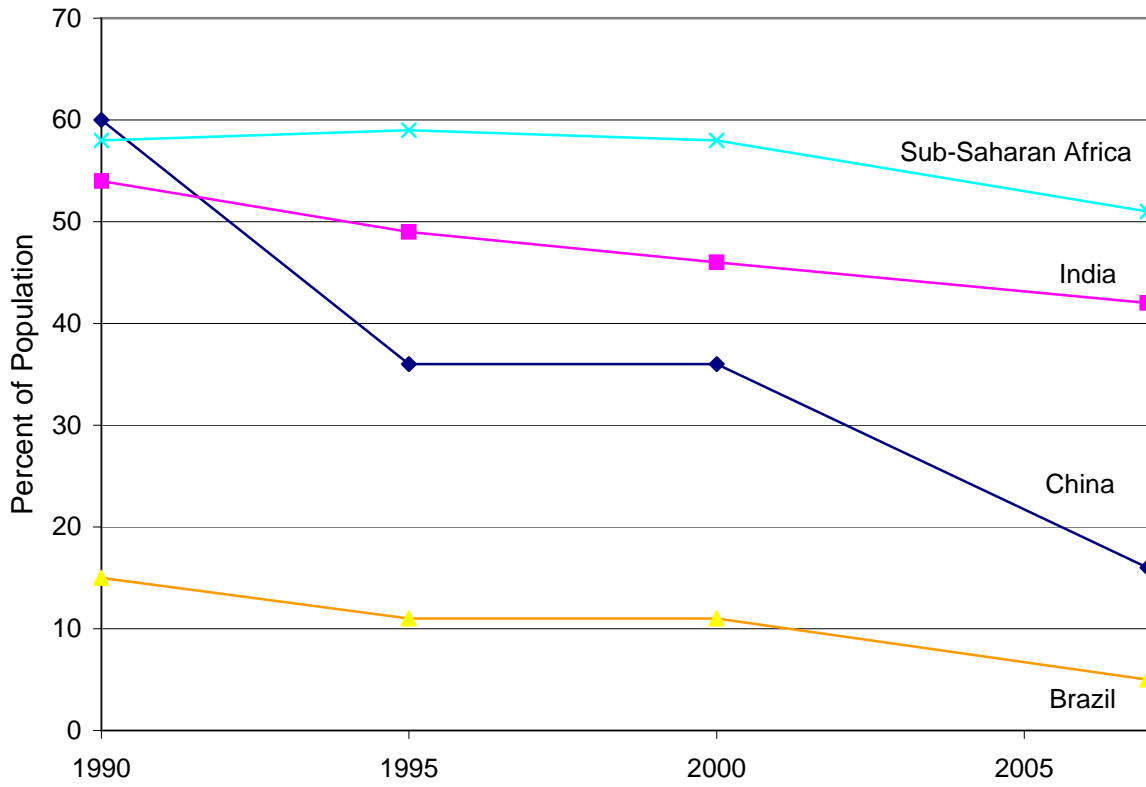
⁽²⁾ Developing countries include countries classified by the World Bank as low and middle income.

⁽³⁾ For China, India, Sub-Saharan Africa, and All Developing Countries, World Bank uses 2005 numbers as estimates for 2007.

Source: World Bank, "Millennium Development Goals -- Country Tables," www.developmentgoals.org, 2009, various updates, viewed 23 July 2009 and 27 October 2009.

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Population Living Below \$1.25 Per Day in Selected Countries and Regions, 1990-2007



Source: World Bank

Plan B Budget: Additional Annual Funding Needed to Reach Basic Social Goals

Goal	Funding
	Billion U.S. Dollars
Universal primary education	10
Eradication of adult illiteracy	4
School lunch programs for 44 poorest countries	6
Assistance to preschool children and pregnant women in 44 poorest countries	4
Reproductive health and family planning	17
Universal basic health care	33
Closing the condom gap	3
Total	77

Source: Costs of meeting social goals in Table 7–1 compiled by Earth Policy Institute, based on the following sources: universal primary education from U.K. Treasury, *From Commitment to Action: Education* (London: Department for International Development, September 2005); adult literacy campaign is author's estimate; school lunch program from George McGovern, "Yes We CAN Feed the World's Hungry," *Parade*, 16 December 2001; assistance to preschool children and pregnant women is author's estimate of extending the U.S.'s Women, Infants, and Children program, based on *ibid.*; reproductive health and family planning from J. Joseph Speidel et al., *Family Planning and Reproductive Health: The Link to Environmental Preservation* (San Francisco: Bixby Center for Reproductive Health and Research Policy, University of California, 2007), p. 10, and from J. Joseph Speidel, discussion with J. Matthew Roney, Earth Policy Institute, 16 October 2007; universal basic health care from Jeffrey D. Sachs and the Commission on Macroeconomics and Health, *Macroeconomics and Health: Investing in Health for Economic Development* (Geneva: World Health Organization (WHO), 2001); closing the condom gap estimated from United Nations Population Fund (UNFPA), *Donor Support for Contraceptives and Condoms for STI/HIV Prevention 2007* (New York: 2008) and from Population Action International, "Why Condoms Count in the Era of HIV/AIDS," fact sheet (Washington, DC: 2008).

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