

Plan B 4.0 - Supporting Data for Chapter 1

[Top 20 Failing States, 2008](#)

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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.

Top 20 Failing States, 2008

Rank	Country	Score
1	Somalia	114.7
2	Zimbabwe	114.0
3	Sudan	112.4
4	Chad	112.2
5	Democratic Republic of the Congo	108.7
6	Iraq	108.6
7	Afghanistan	108.2
8	Central African Republic	105.4
9	Guinea	104.6
10	Pakistan	104.1
11	Côte d'Ivoire	102.5
12	Haiti	101.8
13	Burma	101.5
14	Kenya	101.4
15	Nigeria	99.8
16	Ethiopia	98.9
17	North Korea	98.3
18	Yemen	98.1
19	Bangladesh	98.1
20	Timor-Leste	97.2

Source: Fund for Peace and *Foreign Policy*, "The Failed States Index," *Foreign Policy*, July/August 2009.

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Demographic Data for Leading Failing States, 2008

Country	Failing State Rank	Failing State Score	Population Millions	Population Growth Rate Percent	Infant Mortality Rate Deaths per 1,000 Live Births	Total Fertility Rate Average Number of Children Born per Woman	Population under 15 Percent	Life Expectancy at Birth Years
Somalia	1	114.7	8.9	2.3	110	6.4	44.9	49.6
Zimbabwe	2	114.0	12.5	0.3	58	3.5	39.5	44.1
Sudan	3	112.4	41.3	2.2	69	4.2	38.7	58.0
Chad	4	112.2	10.9	2.8	130	6.2	45.6	48.7
DR Congo	5	108.7	64.3	2.8	117	6.1	46.4	47.5
Iraq	6	108.6	30.1	2.2	33	4.1	40.7	67.4
Afghanistan	7	108.2	27.2	3.4	157	6.6	45.9	43.8
Central African Republic	8	105.4	4.3	1.9	105	4.8	40.3	46.9
Guinea	9	104.6	9.8	2.3	98	5.5	42.6	57.6
Pakistan	10	104.1	177.0	2.2	64	4.0	36.6	66.3
Côte d'Ivoire	11	102.5	20.6	2.3	87	4.6	40.4	57.2
Haiti	12	101.8	9.9	1.6	62	3.5	35.9	61.2
Burma	13	101.5	49.6	0.9	75	2.3	26.6	61.2
Kenya	14	101.4	38.8	2.6	64	5.0	42.8	54.2
Nigeria	15	99.8	151.2	2.3	109	5.3	42.4	47.8
Ethiopia	16	98.9	80.7	2.6	79	5.4	43.2	55.0
North Korea	17	98.3	23.8	0.4	48	1.9	21.2	67.3
Yemen	18	98.1	22.9	2.9	59	5.3	43.3	62.7
Bangladesh	19	98.1	160.0	1.4	45	2.4	30.9	65.9
Timor-Leste	20	97.2	1.1	3.3	67	6.5	44.7	60.8

Note: All data are for 2005-2010, except percentage population under 15, which is UN projection for 2010, and total population, which is UN estimate for 2008.

Source: Compiled by Earth Policy Institute from United Nations, *World Population Prospects: The 2008 Revision Population Database*, at esa.un.org/unpp, updated 11 March 2009; Fund for Peace and *Foreign Policy*, "The Failed States Index," *Foreign Policy*, July/August 2009.

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**Annual Consumption of Key Resources in China and U.S., Latest Year, with Projections for China to 2024
Compared to Current World Production**

Commodity	Unit	Consumption Latest Year		Projected Consumption*	Production Latest Year
		U.S.	China	2024 China	World
Grain ⁽¹⁾	Million Tons	314	392	1,459	2,226
Meat ⁽²⁾	Million Tons	38	69	176	260
Oil ⁽¹⁾	Million Barrels per Day	19	8	90	86
Coal ⁽¹⁾	Million Tons of Oil Equivalent	565	1,406	2,628	3,325
Steel ⁽²⁾	Million Tons	114	427	531	1,351
Fertilizer ⁽¹⁾	Million Tons	17	48	80	160
Paper ⁽²⁾	Million Tons	60	39	278	258

* Note: Projected Chinese consumption in 2024 is calculated assuming per-capita consumption will be equal to the current U.S. level, based on projected GDP growth of 8 percent annually.

⁽¹⁾ Latest year 2008; ⁽²⁾ Latest year 2007.

Source: Compiled by Earth Policy Institute with grain from U.S. Department of Agriculture, *Production, Supply and Distribution*, electronic database, at www.fas.usda.gov/psdonline, updated 10 July 2009; meat from U.N. Food and Agriculture Organization (FAO), *ProdSTAT*, electronic database, at faostat.fao.org, updated June 2009, and from FAO, *TradeSTAT*, electronic database, at faostat.fao.org, updated August 2009; oil consumption from BP, *Statistical Review of World Energy June 2009* (London: 2009); oil production from International Energy Agency (IEA), *Oil Market Report*, 10 July 2009, corrected for biofuel production using F.O. Licht data; coal from BP, *Statistical Review of World Energy June 2009* (London: 2009); steel from World Steel Association, *Steel Statistical Yearbook 2008* (Brussels: 2009); fertilizer consumption from International Fertilizer Industry Association (IFA), *Fertilizer Consumption 2008/09 – 2013/14 Country Reports* (Paris: June 2009); fertilizer production from Patrick Heffer, *Medium-Term Outlook for World Agriculture and Fertilizer Demand 2008/09 – 2013/14* (Paris: IFA, June 2009); paper includes coated papers, household and sanitary paper, newsprint, other papers and packaging, printing and writing paper, and wrapping papers from FAO, *ForesSTAT*, electronic database, at faostat.fao.org, updated January 2009; population from U.N. Population Division, *World Population Prospects: The 2008 Revision Population Database*, electronic database, at esa.un.org/unpp, updated 11 March 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.

Undernourishment in the World and in Selected Groups and Regions, 2009

Group or Region	Undernourished People in 2009 Millions	Share of Population Percent
Developed Countries	15	1
Developing Countries	1,002	18
Asia and the Pacific	642	17
Latin America and the Caribbean	53	9
Near East and North Africa	42	9
Sub-Saharan Africa	265	34
World	1,017	15

Note: Data are projections.

Source: Compiled by Earth Policy Institute from U.N. Food and Agriculture Organization (FAO), "More People Than Ever are Victims of Hunger," background note (Rome: June 2009); share of population calculated using U.N. Population Division, *World Population Prospects: The 2008 Revision Population Database*, at <http://esa.un.unpp>, updated 11 March 2009.

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Undernourishment in the World, 1969-2009

Year(s)	Number of Undernourished People Millions
1969 - 1971	878
1979 - 1981	853
1990 - 1992	845
1995 - 1997	825
2000 - 2002	857
2004 - 2006	873
2008	915
2009 *	1,017

Note: 2009 is a projection.

Source: Compiled by Earth Policy Institute (EPI) with data for 1969-2006 from U.N. Food and Agriculture Organization (FAO), "Hunger," at www.fao.org/hunger/en, viewed 26 October 2009; data for 2008 and 2009 from FAO, "1.02 Billion People Hungry," at www.fao.org/news, 19 June 2009.

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