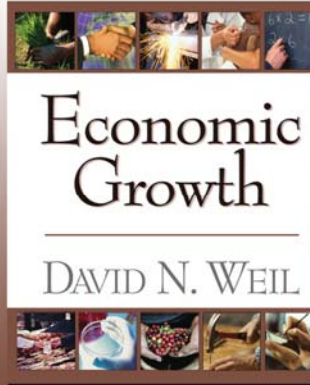


# Chapter 5

## Future Population Trends



PEARSON  
Addison  
Wesley  
Copyright © 2005 Pearson Addison-Wesley. All rights reserved.

---

---

---

---

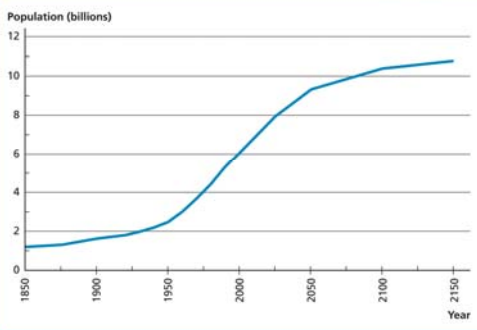
---

---

---

---

**FIGURE 5.1**  
World Population, 1850–2150



Source: United Nations Population Division (2000).

Copyright © 2005 Pearson Addison-Wesley. All rights reserved.

5-2

---

---

---

---

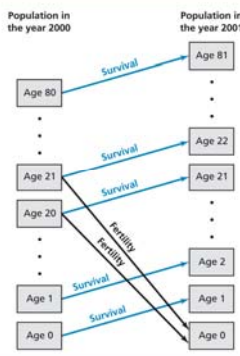
---

---

---

---

**FIGURE 5.2**  
Population Forecasting



Copyright © 2005 Pearson Addison-Wesley. All rights reserved.

5-3

---

---

---

---

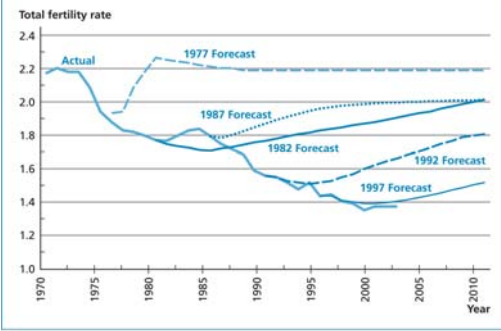
---

---

---

---

**FIGURE 5.3**  
Total Fertility Rate in Japan: Actual Versus Forecast



Source: Yashiro (1998).

Copyright © 2005 Pearson Addison-Wesley. All rights reserved.

5-4

---

---

---

---

---

---

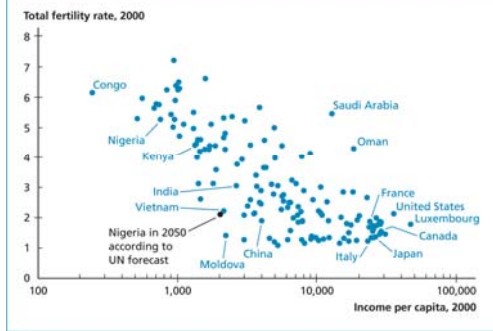
---

---

---

---

**FIGURE 5.4**  
Income Per Capita Versus Total Fertility Rate



Source: Heston et al. (2003), World Bank (2003).

Copyright © 2005 Pearson Addison-Wesley. All rights reserved.

5-5

---

---

---

---

---

---

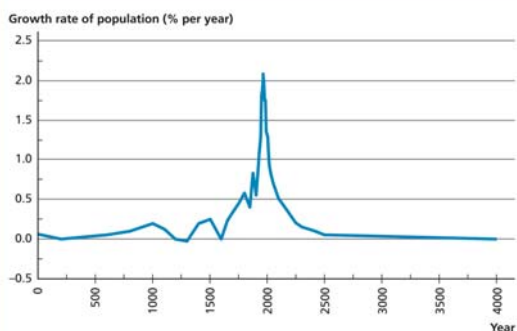
---

---

---

---

**FIGURE 5.5**  
The Great Spike in World Population Growth



Copyright © 2005 Pearson Addison-Wesley. All rights reserved.

5-6

---

---

---

---

---

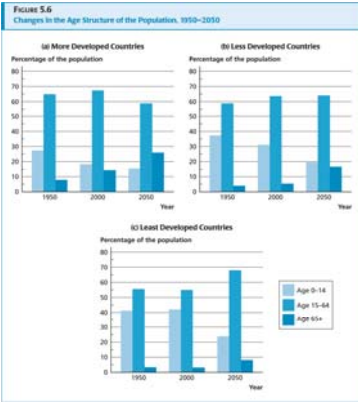
---

---

---

---

---



Source: United Nations (1999).

---

---

---

---

---

---

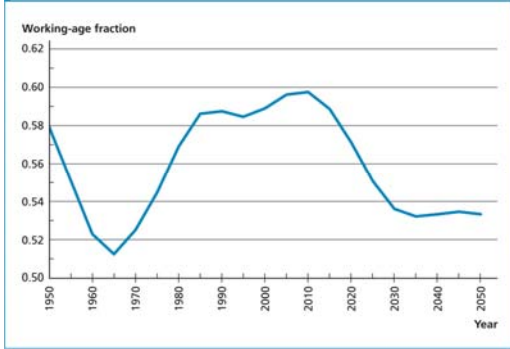
---

---

---

---

**FIGURE 5.7**  
Working-Age Fraction of the U.S. Population, 1950–2050



Source: U.S. Census International Database.

---

---

---

---

---

---

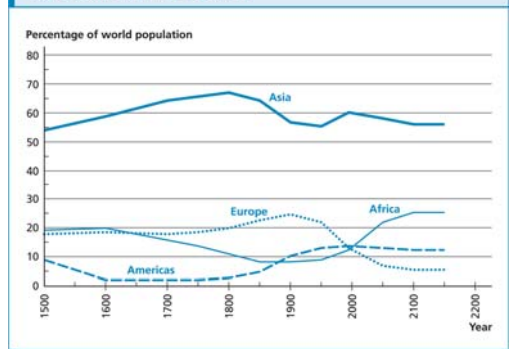
---

---

---

---

**FIGURE 5.8**  
Distribution of the World's Population



Sources: Livi-Bacci (1997), United Nations Population Division (2000).

---

---

---

---

---

---

---

---

---

---

**TABLE 5.1**  
Fertility in the Developing World

	2001 Population (Millions)	Total Fertility Rate, 1970–1975	Total Fertility Rate, 2000–2005
All Developing	4,864	5.4	2.9
Sub-Saharan Africa	626	6.8	5.4
Arab States	290	6.7	3.8
East Asia Excluding China	615	5.2	2.4
China	1,285	4.9	1.8
South Asia Excluding India	422	6.2	4.0
India	1,033	5.4	3.0
Latin America and Caribbean	523	5.1	2.5

Source: United Nations Development Program (2003).

Copyright © 2005 Pearson Addison-Wesley. All rights reserved.

5-10

---

---

---

---

---

---

---

---

---

---

---

---

**TABLE 5.2**  
Average Annual Growth Rates of Population by Country Group

	1950–2000	2000–2050
More Developed	0.8%	0.0%
Less Developed	2.1%	0.8%
Least Developed	2.4%	2.1%

Copyright © 2005 Pearson Addison-Wesley. All rights reserved.

5-11

---

---

---

---

---

---

---

---

---

---

---

---

**TABLE 5.3**  
Some Cases of Population Aging

Country	Time Period	Percentage of Population Aged 20–64 in the First Year	Percentage of the Population Aged 20–64 in the Last Year	Effect of Aging on Growth of Income per Capita (% per Year)
Japan	2000–2020	62.3	54.9	–0.6
Malaysia	1980–2010	45.9	54.1	0.6
Mexico	1980–2015	42.7	57.7	1.0
Thailand	1990–2010	55.2	62.3	0.6
Turkey	1990–2010	49.2	63.2	0.8
Bangladesh	2000–2020	47.1	59.8	1.2

Source: U.S. Bureau of Census International Database.

Copyright © 2005 Pearson Addison-Wesley. All rights reserved.

5-12

---

---

---

---

---

---

---

---

---

---

---

---

**TABLE 5.4**

**The Composition Effect**

	2000			2050			Growth Rate of GDP per Capita, 2000-2050
	Population (Millions)	Total GDP (\$ Billions)	GDP per Capita (\$)	Population (Millions)	Total GDP (\$ Billions)	GDP per Capita (\$)	
<b>More Developed</b>	1,191	23,921	20,084	1,181	63,845	54,060	2.00%
<b>Less Developed</b>	4,207	17,601	4,184	6,312	71,077	11,261	2.00%
<b>Least Developed</b>	658	800	1,216	1,830	5,990	3,273	2.00%
<b>World</b>	<b>6,056</b>	<b>42,322</b>	<b>6,988</b>	<b>9,323</b>	<b>140,912</b>	<b>15,114</b>	<b>1.55%</b>

Sources: United Nations Population Division (2000), United Nations Development Program (2002).

---



---



---



---



---



---



---



---