

Comparative Real Gross Domestic Product Per Capita and
Per Employed Person
Fourteen Countries
1960-2003

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Comparisons of gross domestic product per capita and per employed person

The accompanying tables present comparative levels and trends in real gross domestic product (GDP) per capita and per employed person for fourteen countries. This report represents an update of earlier comparative GDP per capita and per employed person data produced by the BLS.

Gross domestic product is the most comprehensive measure generally produced of a country's economic output, being the value of all market and some non-market goods and services produced within its territory. GDP per capita may therefore be viewed as a rough indicator of a nation's prosperity, while GDP per employed person can provide a general picture of a country's overall productivity.

These measures are only approximate indicators, because a country's welfare consists of many things that are not included in its GDP. Moreover, using the number of persons employed as a measure of labor input ignores differences in the number of hours worked and in the skill levels of different people. Nevertheless, GDP as well as GDP per capita or per employed person are used to compare the economic performance of different countries. (See charts 1 and 2, and tables 1 and 3.)

In each country's national statistics, GDP is valued in terms of its national currency units. Therefore, these results have to be converted to some common unit of value before they can be compared directly. In this report all GDP series are converted to U.S. dollars through the use of purchasing power parities. They are expressed in constant 1999 U.S. dollars.

Purchasing power parities (PPPs)

PPPs are currency conversion rates that allow output in different currency units to be expressed in a common unit of value. A PPP for a given country is a ratio, in which the numerator is the number of national currency units needed to purchase a basket of goods and services in that country and the denominator is the number of currency units needed to purchase a similar basket of goods and services in the base country. The base country for this report is the United States.

Thus PPPs are interspatial indexes constructed for the purpose of comparing relative prices across countries. They are somewhat analogous to an intertemporal price index, such as a consumer price index used within a country to compare changes in prices over time. Just as a consumer price index measures the cost of a basket of goods and services over time, PPPs can be used to measure the cost of a particular basket of goods and services across countries at a point in time.

The procedures are similar: first calculate the ratios of prices for each of a detailed set of goods and services in different countries. Then, at higher levels of aggregation, and for the GDP, PPPs are the weighted averages of these ratios.

Purchasing Power Parities have been or currently are being used by a number of international organizations to compare performance levels among countries and regions. These include the Organisation for Economic Co-operation and Development (OECD), the Statistical Office of the European Communities (Eurostat), the United Nations, the International Monetary Fund, and the World Bank.

Currency exchange rates

Inter-country comparisons of output levels are sometimes based on market exchange rates rather than PPPs. However, market exchange rates seldom reflect the relative purchasing powers of different currencies. At best, market exchange rates represent only the relative prices of goods and services that are traded internationally, not the relative value of total domestic output, which also consists of goods, and particularly services, that are not traded internationally, or which are isolated from the effects of foreign trade. Market exchange rates also are affected by influences entirely unrelated to the relative values of any goods or services. These influences include currency traders' views of the stability of governments in various countries, relative interest rates among countries, and other incentives for holding financial assets in one currency rather than another.

Relative prices

The relationship between PPPs and exchange rates can be used to estimate comparative prices in different countries. A relative price indicator can be calculated by dividing a country's PPP for a given year by its currency's exchange rate. (See table 7.) A price indicator of less than 1.00 indicates that less than one U.S. dollar (exchanged for the local currency at the market exchange rate) can purchase an amount of goods and services in that country that it would take one dollar to purchase in the United States; therefore, prices in that country are relatively low compared to the United States. A price indicator greater than 1.00 indicates that it would take more than one U.S. dollar to purchase in that country an amount of goods and services that could be purchased for one dollar in the United States; therefore, prices in that country are relatively high compared to the United States. These relative price indicators refer to all the goods and services that go into GDP.

Use and interpretation of purchasing power parities

PPPs are an effective tool for international economic comparisons. However they should be used and interpreted with caution, given certain aspects of the collection and estimation procedures used. While comparative estimates like GDP per capita are useful for grouping countries, a strict ranking order (a "league table") interpretation should be avoided. The per capita GDPs of most OECD countries fall within a relatively narrow range, and changes in rankings can occur as a result of relatively minor adjustments to PPP estimates.

Some features of PPP estimation that may influence the accuracy of the results:

Representativeness of goods and services to be priced

It is difficult to find goods and services for pricing that are representative of the goods and services actually purchased in all countries.

Price comparability

There may be a lack of comparability between national prices. This can arise from differences in the characteristics of the products that countries price, or because of the sampling procedures that countries use to collect prices.

Aggregation method

The results are influenced by the aggregation method used to combine different commodity groups into a single PPP for total GDP in each country. A different aggregation method can produce different PPP estimates.

PPP quality varies by sector

Certain expenditure categories are resistant to comparison, because they cover products or services which are difficult to specify for pricing across countries (e.g., services and information technology products) or because they cover consumption for which no market prices exist (e.g., government services, fixed capital formation, and imputed rents of owner occupiers).

Country capabilities

Participating countries differ in their financial and technical support of the PPP program, and therefore in the extent to which they are able to satisfy all of the program's methodological requirements.

DATA SOURCES AND METHODS

The comparative measures in this report were calculated from GDP, population, and employment data series that were obtained from national statistical sources. While these data are generally comparable, some differences remain in the countries' statistical methodologies, which may affect comparability. The estimates shown in this report are based on data available as of June 2004.

Gross Domestic Product. The GDP measures used for all countries come from their national accounts sources. Different countries have used different systems of national accounts, e.g. the United Nations System of National Accounts (SNA 68 and SNA 93) and the European System of Integrated National Accounts (ESA 79 and ESA 95) derived from them. The U.S. GDP series is based on the system of national income and product accounts (NIPA's) estimated by the Bureau of Economic Analysis (BEA).

A major difference among countries pertains to the weighting scheme used to derive real GDP. The SNA 93 and ESA 95 recommend annual-weighted real output measures. The U.S. GDP series is a chain-type annual-weighted measure of real GDP. Most of the other countries are already using, or switching to, this same deflation method, at least for the most recent years. Some countries, however, still produce their real GDP series by means of fixed base-year deflators: Japan, Korea, Austria, Belgium, Germany, Italy, and the United Kingdom. In most of these cases of fixed base-year adjustment, the base year is updated periodically, for example every 5 or 10 years. An exception to this is Japan, where real GDP measures for the entire 1980-2003 period are based on the price weights of a single base year. For many countries it has been necessary to link several time series, each of which has its own set of base-year price weights, to construct one real GDP series for use over a longer time period.

Population. The population figures used for all countries are derived from national statistical sources, and represent the total resident population. For recent years alternate sources may be used, until data from normal sources become available.

Employment. For most countries, the employment data used in this report are obtained from the countries' national accounts, where the data series have been developed from various surveys and other sources, including labor force (household) and establishment surveys.

The employment series used in this report for the United States, Canada, the Netherlands, and the United Kingdom correspond to the employment data set used for the periodic BLS report *Comparative Civilian Labor Force Statistics, Ten Countries*. The series in that data set are adjusted for greater comparability with U.S. concepts. For purposes of this report, however, these data have been further adjusted to include people serving in the armed forces. Also, the employment figures used in this report include non-resident workers from border countries and exclude residents working in border countries, when such adjusted numbers are published by the national statistical offices. For further information, including breaks in series, see notes following table 7.

Purchasing Power Parities. The Purchasing Power Parities (PPPs) used for this report are taken from the OECD-Eurostat PPP Program, as published by the OECD in its publications and posted on its web-site. Data for benchmark PPP estimates are collected every three years. The most recent Program round for which benchmark data have been published is 1999. In addition, for European Union member states, Eurostat calculates annual benchmark PPPs. For non-benchmark years, PPPs are usually estimated by extrapolation, based on relative movements of GDP implicit price deflators. Such extrapolations may produce imprecise PPP estimates for those years.¹

Comparative Real GDP Series. For this report, the real GDP series, expressed in 1999 U.S. dollars, were calculated based on the PPPs for 1999, the latest published benchmark year. The real GDP values for other years were derived by using the trends in the respective real GDP series that were published by each country in their national currency units. Thus, the changes over time in the comparative real GDP for each country, expressed in 1999 U.S. dollars, are based on changes in the country's own GDP deflator.

The method of deriving the comparative series can be summarized as follows. First, all the real GDP series from the different countries were expressed in constant 1999 prices of their national currencies. Next, each country's GDP series was divided by its PPP for 1999, thereby converting the series into constant 1999 U.S. dollars. Finally, the series of GDP per capita and per employed person, in constant 1999 dollars, were estimated by dividing each country's GDP in 1999 dollars by its population and its employment respectively.

Comparisons with OECD Published Data. The OECD also publishes comparative levels of GDP per capita.² These may differ from the level comparisons in the attached tables.

First, the per capita GDP figures presented in the OECD reports may differ from BLS figures due to timing of the receipt of revised GDP and population data from national accounts offices.

In addition, for the United States and Canada, the GDP numbers used in the OECD estimates are based on data that have been specially adjusted to conform to the SNA93 system of national accounts. These adjustments result in lower U.S. and Canadian GDP levels than the GDP data used for this report.

The U.S. GDP series used for the comparisons in the present report correspond to the BEA's National Income and Product Accounts (NIPA) data. The real GDP series for the United States is the chain-type annual-weighted measure published with the U.S. national accounts. The special SNA93 adjustments do not have an appreciable affect on the estimated growth rate of real GDP.

¹ OECD, *Main Economic Indicators*, April 2003.

² OECD, *National Accounts of OECD Countries, 1970-2001, Volume I, 2003 Edition*. Paris 2003.

Chart 1: Real GDP per Capita, 2003
Converted to 1999 U.S. Dollars using 1999 PPPs

(1999 U.S. Dollars in thousands)

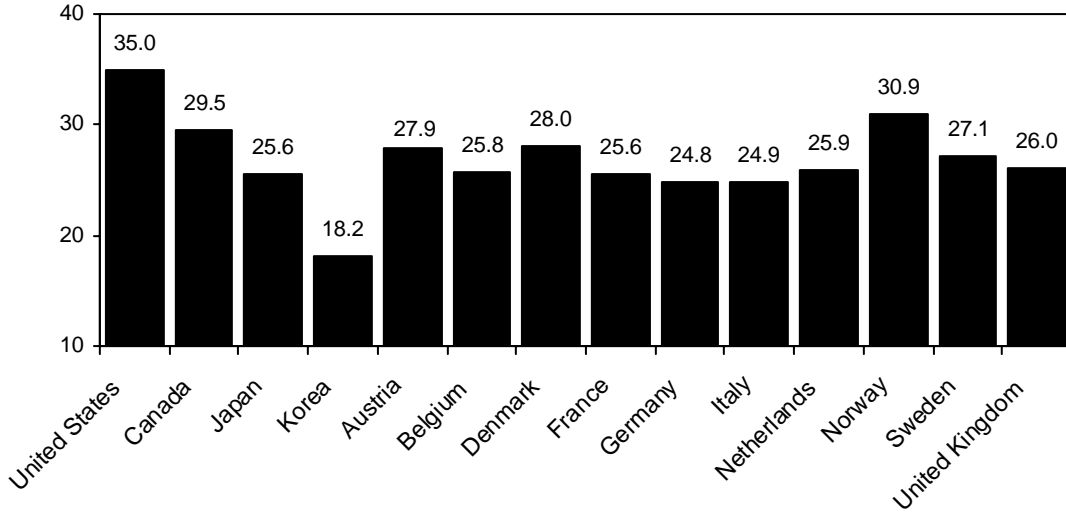


Chart 2: Real GDP per Employed Person, 2003
Converted to 1999 U.S. Dollars using 1999 PPPs

(1999 U.S. Dollars in thousands)

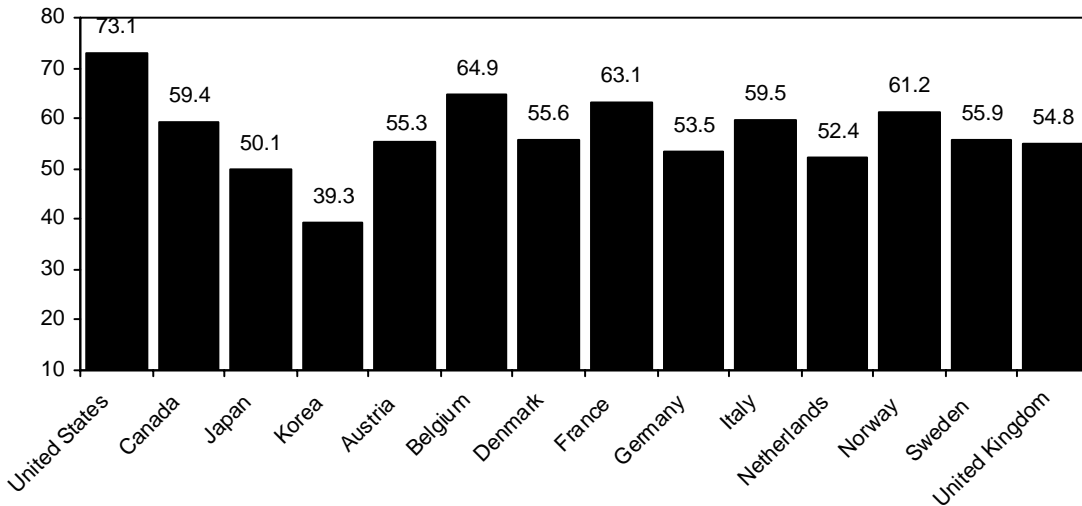


Table 1. Real GDP per Capita
Converted to U.S. Dollars using PPPs
(1999 U.S. Dollars)

Year	United States	Canada	Japan	Korea	Austria	Belgium	Denmark	France	Germany	Former W.Germany	Italy	Netherlands	Norway	Sweden	United Kingdom
1960	13,545	11,104	4,912	1,632	8,595	8,577	10,498	8,876	NA	10,648	7,764	9,883	8,848	10,795	10,411
1961	13,636	11,225	5,495	1,677	9,002	8,973	11,040	9,268	NA	10,993	8,369	10,035	9,312	11,348	10,579
1962	14,241	11,771	5,911	1,665	9,162	9,403	11,561	9,711	NA	11,372	8,816	10,321	9,486	11,766	10,606
1963	14,652	12,144	6,365	1,767	9,474	9,740	11,523	10,047	NA	11,579	9,241	10,516	9,772	12,324	11,080
1964	15,291	12,697	7,003	1,888	9,980	10,319	12,457	10,593	NA	12,227	9,404	11,269	10,184	13,066	11,617
1965	16,070	13,275	7,249	1,946	10,198	10,590	12,953	11,005	NA	12,739	9,635	11,704	10,639	13,439	11,809
1966	16,921	13,884	8,006	2,129	10,698	10,851	13,148	11,484	NA	12,977	10,135	11,875	10,954	13,590	11,975
1967	17,159	14,044	8,790	2,203	10,938	11,209	13,563	11,929	NA	12,907	10,770	12,364	11,543	13,940	12,201
1968	17,808	14,569	9,727	2,396	11,368	11,634	14,043	12,345	NA	13,562	11,392	13,058	11,705	14,366	12,658
1969	18,177	15,127	10,761	2,667	12,040	12,372	14,885	13,103	NA	14,437	12,009	13,787	12,133	14,980	12,868
1970	17,999	15,307	11,626	2,838	12,853	13,152	15,099	13,730	NA	15,018	12,552	14,402	12,285	15,801	13,119
1971	18,371	15,638	11,973	3,021	13,450	13,604	15,458	14,252	NA	15,317	12,736	14,858	12,826	15,841	13,316
1972	19,138	16,285	12,800	3,109	14,202	14,269	16,062	14,754	NA	15,868	13,063	15,163	13,371	16,156	13,754
1973	20,048	17,244	13,636	3,432	14,814	15,066	16,647	15,432	NA	16,542	13,824	15,801	13,860	16,767	14,703
1974	19,764	17,709	13,290	3,623	15,372	15,636	16,493	15,808	NA	16,554	14,459	16,313	14,349	17,253	14,500
1975	19,535	17,840	13,534	3,795	15,357	15,361	16,169	15,693	NA	16,406	14,078	16,198	15,103	17,624	14,424
1976	20,378	18,573	13,928	4,153	16,088	16,190	17,113	16,294	NA	17,363	14,923	16,831	15,912	17,746	14,814
1977	21,105	18,992	14,403	4,498	16,870	16,249	17,430	16,743	NA	17,895	15,210	17,121	16,514	17,401	15,183
1978	22,046	19,571	15,028	4,830	16,811	16,680	17,711	17,229	NA	18,454	15,709	17,442	17,003	17,654	15,687
1979	22,492	20,193	15,720	5,093	17,727	17,024	18,301	17,723	NA	19,223	16,530	17,642	17,691	18,292	16,093
1980	22,183	20,210	16,038	4,909	18,123	17,740	18,277	17,916	NA	19,346	17,070	17,794	18,508	18,560	15,736
1981	22,516	20,575	16,438	5,146	18,067	17,506	18,115	18,032	NA	19,329	17,180	17,580	18,622	18,507	15,502
1982	21,870	19,750	16,679	5,434	18,434	17,750	18,710	18,400	NA	19,161	17,278	17,275	18,586	18,713	15,817
1983	22,652	20,087	16,886	5,927	18,997	17,752	19,154	18,577	NA	19,566	17,486	17,510	19,181	19,056	16,370
1984	24,069	21,055	17,303	6,338	19,069	18,193	19,970	18,792	NA	20,198	17,964	17,988	20,250	19,857	16,763
1985	24,841	21,861	18,101	6,682	19,523	18,367	20,774	18,972	NA	20,659	18,493	18,383	21,242	20,256	17,316
1986	25,469	22,169	18,446	7,341	19,927	18,633	21,730	19,334	NA	21,129	18,959	18,854	21,925	20,764	17,959
1987	26,095	22,808	19,076	8,068	20,239	19,059	21,733	19,716	NA	21,438	19,523	19,076	22,265	21,387	18,737
1988	26,928	23,633	20,196	8,825	20,907	19,854	21,646	20,501	NA	22,101	20,284	19,517	22,121	21,840	19,628
1989	27,619	23,819	21,139	9,269	21,697	20,534	21,809	21,230	NA	22,676	20,851	20,332	22,233	22,277	19,998
1990	27,823	23,507	22,332	10,003	22,548	21,079	22,213	21,669	NA	23,518	21,245	21,016	22,593	22,348	20,093
1991	27,409	22,741	23,111	10,818	23,066	21,413	22,467	21,775	22,034	24,389	21,528	21,349	23,187	21,950	19,749
1992	27,947	22,669	23,206	11,288	23,339	21,667	22,815	21,991	22,357	24,516	21,650	21,504	23,862	21,441	19,745
1993	28,324	22,944	23,178	11,788	23,244	21,371	22,822	21,705	21,954	23,768	21,387	21,491	24,330	20,925	20,167
1994	29,107	23,784	23,270	12,633	23,758	21,992	24,118	22,075	22,403	24,144	21,801	21,976	25,458	21,643	21,013
1995	29,485	24,198	23,598	13,622	24,107	22,467	24,811	22,365	22,723	24,251	22,400	22,527	26,489	22,402	21,561
1996	30,222	24,334	24,345	14,437	24,556	22,688	25,281	22,534	22,831	24,407	22,607	23,113	27,779	22,655	22,097
1997	31,206	25,111	24,767	14,967	24,919	23,415	25,911	22,884	23,106	24,881	23,019	23,875	29,032	23,194	22,776
1998	32,133	25,923	24,486	13,841	25,868	23,836	26,427	23,577	23,564	25,573	23,401	24,761	29,563	24,026	23,430
1999	33,181	27,135	24,552	15,047	26,504	24,543	27,006	24,234	24,029	NA	23,766	25,578	30,003	25,107	24,014
2000	34,019	28,290	25,140	16,188	27,345	25,425	27,616	25,029	24,686	NA	24,437	26,277	30,524	26,151	24,852
2001	33,839	28,490	25,050	16,690	27,481	25,499	27,874	25,419	24,849	NA	24,797	26,396	30,809	26,322	25,215
2002	34,235	29,151	24,999	17,742	27,786	25,563	28,036	25,585	24,850	NA	24,831	26,288	30,934	26,787	25,552
2003	34,960	29,489	25,587	18,177	27,902	25,769	28,050	25,578	24,813	NA	24,894	25,938	30,882	27,118	26,039

Note: See Notes to Tables following Table 7. For a description of PPPs see introductory material.

Table 2. Real GDP per Capita
 Converted to U.S. Dollars using PPPs
 (United States = 100)

Year	United States	Canada	Japan	Korea	Austria	Belgium	Denmark	France	Germany	Former W.Germany	Italy	Netherlands	Norway	Sweden	United Kingdom
1960	100.0	82.0	36.3	12.1	63.5	63.3	77.5	65.5	NA	78.6	57.3	73.0	65.3	79.7	76.9
1961	100.0	82.3	40.3	12.3	66.0	65.8	81.0	68.0	NA	80.6	61.4	73.6	68.3	83.2	77.6
1962	100.0	82.7	41.5	11.7	64.3	66.0	81.2	68.2	NA	79.9	61.9	72.5	66.6	82.6	74.5
1963	100.0	82.9	43.4	12.1	64.7	66.5	78.6	68.6	NA	79.0	63.1	71.8	66.7	84.1	75.6
1964	100.0	83.0	45.8	12.3	65.3	67.5	81.5	69.3	NA	80.0	61.5	73.7	66.6	85.5	76.0
1965	100.0	82.6	45.1	12.1	63.5	65.9	80.6	68.5	NA	79.3	60.0	72.8	66.2	83.6	73.5
1966	100.0	82.1	47.3	12.6	63.2	64.1	77.7	67.9	NA	76.7	59.9	70.2	64.7	80.3	70.8
1967	100.0	81.8	51.2	12.8	63.7	65.3	79.0	69.5	NA	75.2	62.8	72.1	67.3	81.2	71.1
1968	100.0	81.8	54.6	13.5	63.8	65.3	78.9	69.3	NA	76.2	64.0	73.3	65.7	80.7	71.1
1969	100.0	83.2	59.2	14.7	66.2	68.1	81.9	72.1	NA	79.4	66.1	75.8	66.7	82.4	70.8
1970	100.0	85.0	64.6	15.8	71.4	73.1	83.9	76.3	NA	83.4	69.7	80.0	68.3	87.8	72.9
1971	100.0	85.1	65.2	16.4	73.2	74.1	84.1	77.6	NA	83.4	69.3	80.9	69.8	86.2	72.5
1972	100.0	85.1	66.9	16.2	74.2	74.6	83.9	77.1	NA	82.9	68.3	79.2	69.9	84.4	71.9
1973	100.0	86.0	68.0	17.1	73.9	75.2	83.0	77.0	NA	82.5	69.0	78.8	69.1	83.6	73.3
1974	100.0	89.6	67.2	18.3	77.8	79.1	83.4	80.0	NA	83.8	73.2	82.5	72.6	87.3	73.4
1975	100.0	91.3	69.3	19.4	78.6	78.6	82.8	80.3	NA	84.0	72.1	82.9	77.3	90.2	73.8
1976	100.0	91.1	68.4	20.4	78.9	79.5	84.0	80.0	NA	85.2	73.2	82.6	78.1	87.1	72.7
1977	100.0	90.0	68.2	21.3	79.9	77.0	82.6	79.3	NA	84.8	72.1	81.1	78.2	82.4	71.9
1978	100.0	88.8	68.2	21.9	76.3	75.7	80.3	78.2	NA	83.7	71.3	79.1	77.1	80.1	71.2
1979	100.0	89.8	69.9	22.6	78.8	75.7	81.4	78.8	NA	85.5	73.5	78.4	78.7	81.3	71.5
1980	100.0	91.1	72.3	22.1	81.7	80.0	82.4	80.8	NA	87.2	77.0	80.2	83.4	83.7	70.9
1981	100.0	91.4	73.0	22.9	80.2	77.7	80.5	80.1	NA	85.8	76.3	78.1	82.7	82.2	68.8
1982	100.0	90.3	76.3	24.8	84.3	81.2	85.6	84.1	NA	87.6	79.0	79.0	85.0	85.6	72.3
1983	100.0	88.7	74.5	26.2	83.9	78.4	84.6	82.0	NA	86.4	77.2	77.3	84.7	84.1	72.3
1984	100.0	87.5	71.9	26.3	79.2	75.6	83.0	78.1	NA	83.9	74.6	74.7	84.1	82.5	69.6
1985	100.0	88.0	72.9	26.9	78.6	73.9	83.6	76.4	NA	83.2	74.4	74.0	85.5	81.5	69.7
1986	100.0	87.0	72.4	28.8	78.2	73.2	85.3	75.9	NA	83.0	74.4	74.0	86.1	81.5	70.5
1987	100.0	87.4	73.1	30.9	77.6	73.0	83.3	75.6	NA	82.2	74.8	73.1	85.3	82.0	71.8
1988	100.0	87.8	75.0	32.8	77.6	73.7	80.4	76.1	NA	82.1	75.3	72.5	82.1	81.1	72.9
1989	100.0	86.2	76.5	33.6	78.6	74.3	79.0	76.9	NA	82.1	75.5	73.6	80.5	80.7	72.4
1990	100.0	84.5	80.3	36.0	81.0	75.8	79.8	77.9	NA	84.5	76.4	75.5	81.2	80.3	72.2
1991	100.0	83.0	84.3	39.5	84.2	78.1	82.0	79.4	80.4	89.0	78.5	77.9	84.6	80.1	72.1
1992	100.0	81.1	83.0	40.4	83.5	77.5	81.6	78.7	80.0	87.7	77.5	76.9	85.4	76.7	70.7
1993	100.0	81.0	81.8	41.6	82.1	75.5	80.6	76.6	77.5	83.9	75.5	75.9	85.9	73.9	71.2
1994	100.0	81.7	79.9	43.4	81.6	75.6	82.9	75.8	77.0	82.9	74.9	75.5	87.5	74.4	72.2
1995	100.0	82.1	80.0	46.2	81.8	76.2	84.1	75.9	77.1	82.2	76.0	76.4	89.8	76.0	73.1
1996	100.0	80.5	80.6	47.8	81.3	75.1	83.6	74.6	75.5	80.8	74.8	76.5	91.9	75.0	73.1
1997	100.0	80.5	79.4	48.0	79.9	75.0	83.0	73.3	74.0	79.7	73.8	76.5	93.0	74.3	73.0
1998	100.0	80.7	76.2	43.1	80.5	74.2	82.2	73.4	73.3	79.6	72.8	77.1	92.0	74.8	72.9
1999	100.0	81.8	74.0	45.3	79.9	74.0	81.4	73.0	72.4	NA	71.6	77.1	90.4	75.7	72.4
2000	100.0	83.2	73.9	47.6	80.4	74.7	81.2	73.6	72.6	NA	71.8	77.2	89.7	76.9	73.1
2001	100.0	84.2	74.0	49.3	81.2	75.4	82.4	75.1	73.4	NA	73.3	78.0	91.0	77.8	74.5
2002	100.0	85.1	73.0	51.8	81.2	74.7	81.9	74.7	72.6	NA	72.5	76.8	90.4	78.2	74.6
2003	100.0	84.4	73.2	52.0	79.8	73.7	80.2	73.2	71.0	NA	71.2	74.2	88.3	77.6	74.5

Note: See Notes to Tables following Table 7. For a description of PPPs see introductory material.

Table 3. Real GDP per Employed Person
Converted to U.S. Dollars using PPPs
(1999 U.S. Dollars)

Year	United States	Canada	Japan	Korea	Austria	Belgium	Denmark	France	Germany	Former W.Germany	Italy	Netherlands	Norway	Sweden	United Kingdom
1960	35,853	31,514	9,837	NA	16,100	22,256	22,329	20,865	NA	22,646	18,531	24,638	20,935	22,227	22,606
1961	36,673	32,004	10,858	NA	16,862	23,190	23,302	22,017	NA	23,369	19,925	24,988	21,867	23,301	22,924
1962	38,219	33,280	11,657	NA	17,348	24,027	24,215	23,491	NA	24,374	21,224	25,551	22,329	24,162	23,079
1963	39,342	34,187	12,574	6,370	18,180	24,898	24,031	24,550	NA	25,000	22,792	26,039	23,071	25,323	24,203
1964	40,735	35,194	13,776	6,864	19,310	26,255	25,651	25,865	NA	26,643	23,511	27,791	24,150	26,667	25,220
1965	42,312	36,147	14,335	6,887	19,996	27,086	26,399	27,018	NA	27,911	24,887	29,017	25,217	27,496	25,550
1966	43,762	36,986	15,471	7,528	21,301	27,843	26,568	28,216	NA	28,778	26,814	29,599	26,056	28,031	25,988
1967	43,824	37,037	16,838	7,696	22,306	29,049	27,638	29,463	NA	29,655	28,386	31,264	27,497	29,287	26,942
1968	44,992	38,328	18,491	8,155	23,613	30,303	28,585	30,810	NA	31,246	30,259	33,052	28,082	30,035	28,215
1969	45,267	39,168	20,502	9,060	25,142	31,773	29,914	32,469	NA	33,062	32,336	34,722	29,093	30,956	28,811
1970	45,092	39,782	22,354	9,514	26,878	33,767	30,194	33,870	NA	34,294	33,896	36,288	29,203	32,328	29,548
1971	46,427	41,054	23,172	9,987	27,946	34,762	31,187	35,331	NA	35,199	34,541	37,679	30,434	32,697	30,597
1972	47,487	42,039	24,992	10,037	29,463	36,676	31,998	36,679	NA	36,550	35,722	39,189	31,604	33,336	31,506
1973	48,620	42,948	26,403	10,696	30,477	38,502	32,976	38,146	NA	37,879	37,530	41,149	32,739	34,529	33,105
1974	47,488	42,964	26,189	11,005	31,272	39,486	33,102	38,994	NA	38,418	38,906	42,406	33,651	34,940	32,578
1975	47,932	43,174	27,066	11,453	31,391	39,469	32,978	39,226	NA	38,984	38,080	42,799	35,026	35,139	32,571
1976	48,892	44,653	27,913	11,996	32,717	41,893	34,427	40,572	NA	41,278	40,159	44,579	35,872	35,389	33,716
1977	49,381	45,536	28,793	12,784	33,937	42,262	35,252	41,532	NA	42,392	40,981	44,675	36,365	34,754	34,498
1978	49,998	46,022	30,018	13,312	33,652	43,383	35,677	42,713	NA	43,310	42,336	45,358	36,927	35,230	35,350
1979	50,173	46,000	31,342	14,054	35,252	43,907	36,622	43,904	NA	44,392	44,187	45,345	38,013	36,058	35,844
1980	49,817	45,330	32,006	13,678	35,753	45,862	36,897	44,495	NA	44,147	45,072	44,716	38,928	36,257	35,471
1981	50,506	45,361	32,788	14,209	35,964	46,134	37,159	45,210	NA	44,238	45,461	44,250	38,793	36,139	36,206
1982	49,935	45,407	33,230	14,862	37,136	47,409	38,266	46,344	NA	44,350	45,654	43,915	38,857	36,631	37,285
1983	51,519	46,255	33,366	16,309	38,317	47,900	39,119	47,182	NA	45,782	46,071	45,578	40,338	37,234	38,751
1984	53,063	47,782	34,293	17,747	38,511	49,185	40,169	48,068	NA	46,995	47,345	46,411	42,395	38,515	38,889
1985	54,164	48,731	35,895	18,213	39,367	49,395	40,868	49,143	NA	47,594	48,296	46,318	43,423	38,952	39,698
1986	54,811	48,451	36,585	19,513	40,173	49,798	41,828	50,137	NA	48,045	49,177	47,030	43,561	39,776	41,050
1987	55,250	49,093	37,863	20,532	40,672	50,714	41,767	51,019	NA	48,405	50,530	47,093	43,552	40,780	42,324
1988	56,309	49,983	39,791	21,988	41,922	52,342	41,904	52,892	NA	49,819	51,968	48,173	43,692	41,269	42,883
1989	57,152	50,198	41,197	22,407	43,128	53,390	42,518	54,189	NA	50,883	53,097	49,647	45,375	41,768	42,520
1990	57,547	49,929	42,951	23,710	44,443	54,177	43,688	55,163	NA	52,233	53,295	49,391	46,651	41,839	42,490
1991	57,989	49,704	43,736	25,115	45,278	55,180	44,565	55,653	45,830	53,537	53,044	49,796	48,546	42,006	42,790
1992	59,607	50,442	43,589	25,979	46,223	56,317	45,824	56,813	47,569	53,985	53,710	49,242	50,358	43,195	43,943
1993	60,389	51,235	43,500	27,085	46,712	56,188	46,708	57,044	47,698	53,709	54,598	49,413	51,396	44,742	45,586
1994	61,458	52,648	43,739	28,413	47,994	58,222	49,713	58,138	48,897	55,488	56,642	50,299	53,354	47,030	47,294
1995	62,128	53,150	44,403	30,089	48,783	59,201	50,533	58,589	49,638	56,364	58,363	51,366	54,637	48,195	48,134
1996	63,552	53,598	45,726	31,517	50,059	59,838	51,489	59,013	50,169	57,597	58,633	52,007	56,439	49,234	48,980
1997	64,988	54,552	46,152	32,422	50,598	61,346	52,333	59,874	50,953	59,469	59,594	51,753	57,620	51,099	49,724
1998	66,743	55,336	46,047	32,132	52,049	61,477	52,608	60,984	51,386	61,086	60,033	52,830	57,566	52,155	50,774
1999	68,682	56,836	46,639	34,568	52,697	62,576	52,810	61,707	51,811	NA	60,362	52,927	58,349	53,417	51,522
2000	69,459	58,329	47,905	35,968	54,090	63,757	53,893	62,392	52,360	NA	61,029	52,627	59,503	54,409	52,885
2001	69,784	58,722	48,150	36,628	54,158	63,233	54,382	62,639	52,583	NA	60,912	51,832	60,200	53,892	53,593
2002	71,534	59,443	48,731	38,126	55,019	63,861	54,986	62,954	53,003	NA	60,044	52,342	60,581	54,923	54,085
2003	73,097	59,353	50,060	39,349	55,270	64,867	55,617	63,131	53,538	NA	59,512	52,354	61,193	55,945	54,802

Note: See Notes to Tables following Table 7. For a description of PPPs see introductory material.

Table 4. Real GDP per Employed Person
Converted to U.S. Dollars using PPPs
(United States = 100)

Year	United States	Canada	Japan	Korea	Austria	Belgium	Denmark	France	Germany	Former W.Germany	Italy	Netherlands	Norway	Sweden	United Kingdom
1960	100.0	87.9	27.4	NA	44.9	62.1	62.3	58.2	NA	63.2	51.7	68.7	58.4	62.0	63.1
1961	100.0	87.3	29.6	NA	46.0	63.2	63.5	60.0	NA	63.7	54.3	68.1	59.6	63.5	62.5
1962	100.0	87.1	30.5	NA	45.4	62.9	63.4	61.5	NA	63.8	55.5	66.9	58.4	63.2	60.4
1963	100.0	86.9	32.0	16.2	46.2	63.3	61.1	62.4	NA	63.5	57.9	66.2	58.6	64.4	61.5
1964	100.0	86.4	33.8	16.8	47.4	64.5	63.0	63.5	NA	65.4	57.7	68.2	59.3	65.5	61.9
1965	100.0	85.4	33.9	16.3	47.3	64.0	62.4	63.9	NA	66.0	58.8	68.6	59.6	65.0	60.4
1966	100.0	84.5	35.4	17.2	48.7	63.6	60.7	64.5	NA	65.8	61.3	67.6	59.5	64.1	59.4
1967	100.0	84.5	38.4	17.6	50.9	66.3	63.1	67.2	NA	67.7	64.8	71.3	62.7	66.8	61.5
1968	100.0	85.2	41.1	18.1	52.5	67.4	63.5	68.5	NA	69.4	67.3	73.5	62.4	66.8	62.7
1969	100.0	86.5	45.3	20.0	55.5	70.2	66.1	71.7	NA	73.0	71.4	76.7	64.3	68.4	63.6
1970	100.0	88.2	49.6	21.1	59.6	74.9	67.0	75.1	NA	76.1	75.2	80.5	64.8	71.7	65.5
1971	100.0	88.4	49.9	21.5	60.2	74.9	67.2	76.1	NA	75.8	74.4	81.2	65.6	70.4	65.9
1972	100.0	88.5	52.6	21.1	62.0	77.2	67.4	77.2	NA	77.0	75.2	82.5	66.6	70.2	66.3
1973	100.0	88.3	54.3	22.0	62.7	79.2	67.8	78.5	NA	77.9	77.2	84.6	67.3	71.0	68.1
1974	100.0	90.5	55.1	23.2	65.9	83.1	69.7	82.1	NA	80.9	81.9	89.3	70.9	73.6	68.6
1975	100.0	90.1	56.5	23.9	65.5	82.3	68.8	81.8	NA	81.3	79.4	89.3	73.1	73.3	68.0
1976	100.0	91.3	57.1	24.5	66.9	85.7	70.4	83.0	NA	84.4	82.1	91.2	73.4	72.4	69.0
1977	100.0	92.2	58.3	25.9	68.7	85.6	71.4	84.1	NA	85.8	83.0	90.5	73.6	70.4	69.9
1978	100.0	92.0	60.0	26.6	67.3	86.8	71.4	85.4	NA	86.6	84.7	90.7	73.9	70.5	70.7
1979	100.0	91.7	62.5	28.0	70.3	87.5	73.0	87.5	NA	88.5	88.1	90.4	75.8	71.9	71.4
1980	100.0	91.0	64.2	27.5	71.8	92.1	74.1	89.3	NA	88.6	90.5	89.8	78.1	72.8	71.2
1981	100.0	89.8	64.9	28.1	71.2	91.3	73.6	89.5	NA	87.6	90.0	87.6	76.8	71.6	71.7
1982	100.0	90.9	66.5	29.8	74.4	94.9	76.6	92.8	NA	88.8	91.4	87.9	77.8	73.4	74.7
1983	100.0	89.8	64.8	31.7	74.4	93.0	75.9	91.6	NA	88.9	89.4	88.5	78.3	72.3	75.2
1984	100.0	90.0	64.6	33.4	72.6	92.7	75.7	90.6	NA	88.6	89.2	87.5	79.9	72.6	73.3
1985	100.0	90.0	66.3	33.6	72.7	91.2	75.5	90.7	NA	87.9	89.2	85.5	80.2	71.9	73.3
1986	100.0	88.4	66.7	35.6	73.3	90.9	76.3	91.5	NA	87.7	89.7	85.8	79.5	72.6	74.9
1987	100.0	88.9	68.5	37.2	73.6	91.8	75.6	92.3	NA	87.6	91.5	85.2	78.8	73.8	76.6
1988	100.0	88.8	70.7	39.0	74.4	93.0	74.4	93.9	NA	88.5	92.3	85.6	77.6	73.3	76.2
1989	100.0	87.8	72.1	39.2	75.5	93.4	74.4	94.8	NA	89.0	92.9	86.9	79.4	73.1	74.4
1990	100.0	86.8	74.6	41.2	77.2	94.1	75.9	95.9	NA	90.8	92.6	85.8	81.1	72.7	73.8
1991	100.0	85.7	75.4	43.3	78.1	95.2	76.9	96.0	79.0	92.3	91.5	85.9	83.7	72.4	73.8
1992	100.0	84.6	73.1	43.6	77.5	94.5	76.9	95.3	79.8	90.6	90.1	82.6	84.5	72.5	73.7
1993	100.0	84.8	72.0	44.9	77.4	93.0	77.3	94.5	79.0	88.9	90.4	81.8	85.1	74.1	75.5
1994	100.0	85.7	71.2	46.2	78.1	94.7	80.9	94.6	79.6	90.3	92.2	81.8	86.8	76.5	77.0
1995	100.0	85.5	71.5	48.4	78.5	95.3	81.3	94.3	79.9	90.7	93.9	82.7	87.9	77.6	77.5
1996	100.0	84.3	72.0	49.6	78.8	94.2	81.0	92.9	78.9	90.6	92.3	81.8	88.8	77.5	77.1
1997	100.0	83.9	71.0	49.9	77.9	94.4	80.5	92.1	78.4	91.5	91.7	79.6	88.7	78.6	76.5
1998	100.0	82.9	69.0	48.1	78.0	92.1	78.8	91.4	77.0	91.5	89.9	79.2	86.2	78.1	76.1
1999	100.0	82.8	67.9	50.3	76.7	91.1	76.9	89.8	75.4	NA	87.9	77.1	85.0	77.8	75.0
2000	100.0	84.0	69.0	51.8	77.9	91.8	77.6	89.8	75.4	NA	87.9	75.8	85.7	78.3	76.1
2001	100.0	84.1	69.0	52.5	77.6	90.6	77.9	89.8	75.4	NA	87.3	74.3	86.3	77.2	76.8
2002	100.0	83.1	68.1	53.3	76.9	89.3	76.9	88.0	74.1	NA	83.9	73.2	84.7	76.8	75.6
2003	100.0	81.2	68.5	53.8	75.6	88.7	76.1	86.4	73.2	NA	81.4	71.6	83.7	76.5	75.0

Note: See Notes to Tables following Table 7. For a description of PPPs see introductory material.

Table 5. EMPLOYMENT-POPULATION RATIOS
(Percent)

Year	United	Canada	Japan	Korea	Austria	Belgium	Denmark	France	Former West			Nether- lands	Norway	Sweden	United Kingdom
	States								Germany	Germany	Italy				
1960	37.8	35.2	49.9	NA	53.4	38.5	47.0	42.5	NA	47.0	41.9	40.1	42.3	48.6	46.1
1961	37.2	35.1	50.6	NA	53.4	38.7	47.4	42.1	NA	47.0	42.0	40.2	42.6	48.7	46.1
1962	37.3	35.4	50.7	NA	52.8	39.1	47.7	41.3	NA	46.7	41.5	40.4	42.5	48.7	46.0
1963	37.2	35.5	50.6	27.7	52.1	39.1	47.9	40.9	NA	46.3	40.5	40.4	42.4	48.7	45.8
1964	37.5	36.1	50.8	27.5	51.7	39.3	48.6	41.0	NA	45.9	40.0	40.5	42.2	49.0	46.1
1965	38.0	36.7	50.6	28.3	51.0	39.1	49.1	40.7	NA	45.6	38.7	40.3	42.2	48.9	46.2
1966	38.7	37.5	51.7	28.3	50.2	39.0	49.5	40.7	NA	45.1	37.8	40.1	42.0	48.5	46.1
1967	39.2	37.9	52.2	28.6	49.0	38.6	49.1	40.5	NA	43.5	37.9	39.5	42.0	47.6	45.3
1968	39.6	38.0	52.6	29.4	48.1	38.4	49.1	40.1	NA	43.4	37.6	39.5	41.7	47.8	44.9
1969	40.2	38.6	52.5	29.4	47.9	38.9	49.8	40.4	NA	43.7	37.1	39.7	41.7	48.4	44.7
1970	39.9	38.5	52.0	29.8	47.8	39.0	50.0	40.5	NA	43.8	37.0	39.7	42.1	48.9	44.4
1971	39.6	38.1	51.7	30.2	48.1	39.1	49.6	40.3	NA	43.5	36.9	39.4	42.1	48.4	43.5
1972	40.3	38.7	51.2	31.0	48.2	38.9	50.2	40.2	NA	43.4	36.6	38.7	42.3	48.5	43.7
1973	41.2	40.2	51.6	32.1	48.6	39.1	50.5	40.5	NA	43.7	36.8	38.4	42.3	48.6	44.4
1974	41.6	41.2	50.7	32.9	49.2	39.6	49.8	40.5	NA	43.1	37.2	38.5	42.6	49.4	44.5
1975	40.8	41.3	50.0	33.1	48.9	38.9	49.0	40.0	NA	42.1	37.0	37.8	43.1	50.2	44.3
1976	41.7	41.6	49.9	34.6	49.2	38.6	49.7	40.2	NA	42.1	37.2	37.8	44.4	50.1	43.9
1977	42.7	41.7	50.0	35.2	49.7	38.4	49.4	40.3	NA	42.2	37.1	38.3	45.4	50.1	44.0
1978	44.1	42.5	50.1	36.3	50.0	38.4	49.6	40.3	NA	42.6	37.1	38.5	46.0	50.1	44.4
1979	44.8	43.9	50.2	36.2	50.3	38.8	50.0	40.4	NA	43.3	37.4	38.9	46.5	50.7	44.9
1980	44.5	44.6	50.1	35.9	50.7	38.7	49.5	40.3	NA	43.8	37.9	39.8	47.5	51.2	44.4
1981	44.6	45.4	50.1	36.2	50.2	37.9	48.8	39.9	NA	43.7	37.8	39.7	48.0	51.2	42.8
1982	43.8	43.5	50.2	36.6	49.6	37.4	48.9	39.7	NA	43.2	37.8	39.3	47.8	51.1	42.4
1983	44.0	43.4	50.6	36.3	49.6	37.1	49.0	39.4	NA	42.7	38.0	38.4	47.6	51.2	42.2
1984	45.4	44.1	50.5	35.7	49.5	37.0	49.7	39.1	NA	43.0	37.9	38.8	47.8	51.6	43.1
1985	45.9	44.9	50.4	36.7	49.6	37.2	50.8	38.6	NA	43.4	38.3	39.7	48.9	52.0	43.6
1986	46.5	45.8	50.4	37.6	49.6	37.4	52.0	38.6	NA	44.0	38.6	40.1	50.3	52.2	43.7
1987	47.2	46.5	50.4	39.3	49.8	37.6	52.0	38.6	NA	44.3	38.6	40.5	51.1	52.4	44.3
1988	47.8	47.3	50.8	40.1	49.9	37.9	51.7	38.8	NA	44.4	39.0	40.5	50.6	52.9	45.8
1989	48.3	47.5	51.3	41.4	50.3	38.5	51.3	39.2	NA	44.6	39.3	41.0	49.0	53.3	47.0
1990	48.3	47.1	52.0	42.2	50.7	38.9	50.8	39.3	NA	45.0	39.9	42.6	48.4	53.4	47.3
1991	47.3	45.8	52.8	43.1	50.9	38.8	50.4	39.1	48.1	45.6	40.6	42.9	47.8	52.3	46.2
1992	46.9	44.9	53.2	43.5	50.5	38.5	49.8	38.7	47.0	45.4	40.3	43.7	47.4	49.6	44.9
1993	46.9	44.8	53.3	43.5	49.8	38.0	48.9	38.0	46.0	44.3	39.2	43.5	47.3	46.8	44.2
1994	47.4	45.2	53.2	44.5	49.5	37.8	48.5	38.0	45.8	43.5	38.5	43.7	47.7	46.0	44.4
1995	47.5	45.5	53.1	45.3	49.4	38.0	49.1	38.2	45.8	43.0	38.4	43.9	48.5	46.5	44.8
1996	47.6	45.4	53.2	45.8	49.1	37.9	49.1	38.2	45.5	42.4	38.6	44.4	49.2	46.0	45.1
1997	48.0	46.0	53.7	46.2	49.3	38.2	49.5	38.2	45.3	41.8	38.6	46.1	50.4	45.4	45.8
1998	48.1	46.8	53.2	43.1	49.7	38.8	50.2	38.7	45.9	41.9	39.0	46.9	51.4	46.1	46.1
1999	48.3	47.7	52.6	43.5	50.3	39.2	51.1	39.3	46.4	NA	39.4	48.3	51.4	47.0	46.6
2000	49.0	48.5	52.5	45.0	50.6	39.9	51.2	40.1	47.1	NA	40.0	49.9	51.3	48.1	47.0
2001	48.5	48.5	52.0	45.6	50.7	40.3	51.3	40.6	47.3	NA	40.7	50.9	51.2	48.8	47.1
2002	47.9	49.0	51.3	46.5	50.5	40.0	51.0	40.6	46.9	NA	41.4	50.2	51.1	48.8	47.2
2003	47.8	49.7	51.1	46.2	50.5	39.7	50.4	40.5	46.3	NA	41.8	49.5	50.5	48.5	47.5

Note: See Notes to Tables following Table 7.

Table 6. Real GDP per Capita and per Employed Person
(Average Annual Percent Changes)

Country	1980-2003	1980-1990	1990-1995	1995-2000	1999	2000	2001	2002	2003
Real Gross Domestic Product per Capita									
United States	2.0	2.3	1.2	2.9	3.3	2.5	-0.5	1.2	2.1
Canada	1.7	1.5	0.6	3.2	4.7	4.3	0.7	2.3	1.2
Japan	2.1	3.4	1.1	1.3	0.3	2.4	-0.4	-0.2	2.4
Korea	5.9	7.4	6.4	3.5	8.7	7.6	3.1	6.3	2.5
Austria	1.9	2.2	1.3	2.6	2.5	3.2	0.5	1.1	0.4
Belgium	1.6	1.7	1.3	2.5	3.0	3.6	0.3	0.3	0.8
Denmark	1.9	2.0	2.2	2.2	2.2	2.3	0.9	0.6	0.0
France	1.6	1.9	0.6	2.3	2.8	3.3	1.6	0.7	-0.0
Germany	1.5	2.0	1.4	1.7	2.0	2.7	0.7	0.0	-0.1
Italy	1.7	2.2	1.1	1.8	1.6	2.8	1.5	0.1	0.3
Netherlands	1.7	1.7	1.4	3.1	3.3	2.7	0.5	-0.4	-1.3
Norway	2.3	2.0	3.2	2.9	1.5	1.7	0.9	0.4	-0.2
Sweden	1.7	1.9	0.0	3.1	4.5	4.2	0.7	1.8	1.2
United Kingdom	2.2	2.5	1.4	2.9	2.5	3.5	1.5	1.3	1.9
Real Gross Domestic Product per Employed Person									
United States	1.7	1.5	1.5	2.3	2.9	1.1	0.5	2.5	2.2
Canada	1.2	1.0	1.3	1.9	2.7	2.6	0.7	1.2	-0.2
Japan	2.0	3.0	0.7	1.5	1.3	2.7	0.5	1.2	2.7
Korea	4.7	5.7	4.9	3.6	7.6	4.1	1.8	4.1	3.2
Austria	1.9	2.2	1.9	2.1	1.2	2.6	0.1	1.6	0.5
Belgium	1.5	1.7	1.8	1.5	1.8	1.9	-0.8	1.0	1.6
Denmark	1.8	1.7	3.0	1.3	0.4	2.1	0.9	1.1	1.1
France	1.5	2.2	1.2	1.3	1.2	1.1	0.4	0.5	0.3
Germany	1.5	1.7	2.1	1.1	0.8	1.1	0.4	0.8	1.0
Italy	1.2	1.7	1.8	0.9	0.5	1.1	-0.2	-1.4	-0.9
Netherlands	0.7	1.0	0.8	0.5	0.2	-0.6	-1.5	1.0	0.0
Norway	2.0	1.8	3.2	1.7	1.4	2.0	1.2	0.6	1.0
Sweden	1.9	1.4	2.9	2.5	2.4	1.9	-1.0	1.9	1.9
United Kingdom	1.9	1.8	2.5	1.9	1.5	2.6	1.3	0.9	1.3

Note: Percent changes were calculated from Table 1 and Table 3. See Notes to Tables following Table 7.

Table 7. Purchasing Power Parities (PPPs), Exchange Rates, and Relative Prices, 1999

	PPPs for GDP (U.S.=1.000)	Exchange Rates	Relative Prices ¹
United States	1.000	1.000	1.00
Canada	1.191	1.486	0.80
Japan	162.0	113.7	1.42
Korea	754.9	1189.8	0.63
Austria	0.930	0.939	0.99
Belgium	0.939	0.939	1.00
Denmark	8.405	6.990	1.20
France	0.927	0.939	0.99
Germany	1.003	0.939	1.07
Italy	0.809	0.939	0.86
Netherlands	0.925	0.939	0.99
Norway	9.211	7.807	1.18
Sweden	9.337	8.274	1.13
United Kingdom	0.644	0.618	1.04

¹Relative Prices—Ratios of Purchasing Power Parities to Market Exchange Rates
(U.S. dollars needed to purchase an equivalent amount of goods and services)

NOTES TO TABLES

NA = Not available

- Data for the former West Germany end with 1998. The 1998-99 change in the GDP deflator for Germany was used to adjust the constant-value GDP of former West Germany to 1999 prices. Data for Germany after unification start in 1991. To calculate the pre-1991 growth rates in table 6, BLS has linked the data for former West Germany and Germany in 1991.
- There are breaks in the historical employment series of the United States, Canada, the Netherlands, and the United Kingdom. For a description of these breaks in series, see the BLS report *Comparative Civilian Labor Force Statistics, Ten Countries*, for June 23, 2004. The above series do not include any adjustment for these breaks. Therefore, the computed trends may differ from those that would result had the series been linked to remove the effects of the breaks.