
Health Care Indicators

Carolyn S. Donham, Brenda T. Maple, and Lekha Sivarajan

This regular feature of the journal includes a discussion of each of the following four topics: community hospital statistics; employment, hours, and earnings in the private health sector; health care prices; and national economic indicators. These statistics are valuable in their own right for understanding the relationship between the health care sector and the overall economy. In addition, they allow us to anticipate the direction and magnitude of health care cost changes prior to the availability of more comprehensive data.

INTRODUCTION

This article presents statistics on health care utilization, prices, expenses, employment, and work hours, as well as on national economic activity. Some of these statistics are based on sample surveys conducted monthly or quarterly by government agencies or private organizations and are available 1 to 3 months after the completion of the period. They provide the first glimpse of changes occurring within the general economy and the health care sector.

The accompanying tables report selected quarterly statistics for 1990 through the second quarter of 1993 and the calendar year aggregation of quarterly

information in the past 3 years. Additional tables show change from the same period 1 year earlier. For quarterly information, this calculation permits analysis of quarterly data to focus on the direction and magnitude of changes, without interference introduced by seasonal fluctuations.

In the national health accounts, indicators such as these play an important role in the estimation of the latest historical year of health care expenditures. Information that is more comprehensive tends to lag behind the close of a calendar year by 9 to 12 months or more. Therefore, we rely extensively on indicators such as these to anticipate and predict changes in health care sector expenditures for the most recent year. Other indicators help to identify specific reasons (e.g., increases in price inflation or declines in utilization) for expenditure change.

In the following sections, we will identify important indicators of health care and national economic activity and their sources. We will then describe what these indicators tell us about general economic and health sector activity during the most recent quarter.

COMMUNITY HOSPITAL STATISTICS

Since 1963, the American Hospital Association, in cooperation with member hospitals, has been collecting data on the operation of community hospitals through its National Hospital Panel Survey. Community hospitals, which comprised more than 80 percent of all hospital

Carolyn S. Donham and Brenda T. Maple are with the Office of the Actuary, Health Care Financing Administration (HCFA). Lekha Sivarajan is with the Washington National Tax Service, Price Waterhouse. She is working with the Office of National Health Statistics, Office of the Actuary, HCFA as part of a grant from The Robert Wood Johnson Foundation. The opinions expressed are those of the authors and do not necessarily reflect those of HCFA, Price Waterhouse, or its sponsors.

facilities in the United States in 1991, include all non-Federal, short-term general, and other special hospitals open to the public. They exclude hospital units of institutions; psychiatric facilities; tuberculosis, other respiratory, and chronic disease hospitals; institutions for the mentally retarded; and alcohol and chemical dependency hospitals.

The survey samples approximately one-third of all U.S. community hospitals. The sample is designed to produce estimates of community hospital indicators by bed size and region (American Hospital Association, 1963-93). In Tables 1 and 2, statistics covering expenses, utilization, beds, and personnel depict trends in the operation of community hospitals annually for 1990-92 and for selected quarters for 1990-93. Figure 1 shows changes from the same quarter 1 year earlier in a measure of hospital expense and admissions for 1983 through the second quarter of 1993.

For purposes of national health expenditures (NHE), survey statistics on revenues (not shown on Table 1) are analyzed in estimating the growth in the largest component of health care costs—community hospital expenditures. This one segment of NHE accounted for 33 percent of all health spending in 1991 (Letsch et al., 1992). The survey also identifies important factors influencing expenditure growth patterns, such as changes in the number of beds in operation, number of admissions, length of stay, use of outpatient facilities, and number of surgeries. Figure 2 shows changes from the same quarter 1 year earlier in measures of hospital utilization for 1983 through the second quarter of 1993.

PRIVATE HEALTH SECTOR: EMPLOYMENT, HOURS, AND EARNINGS

The Bureau of Labor Statistics (BLS) collects monthly information on employment for all workers and earnings and work hours for non-supervisory workers in a sample of 370,000 establishments. Data are collected through cooperative agreements with State agencies that also use this information to create State and local area statistics. The survey is designed to collect industry-specific information on wage and salary jobs in non-agricultural industries. It excludes statistics on self-employed persons and on those employed in the military (U.S. Department of Labor, 1993a).

Employment in this survey is defined as number of jobs. Persons holding multiple jobs would be counted multiple times. Approximately 5 percent of the population hold more than one job at any point in time. (Other surveys that are household-based, such as the Current Population Survey [CPS], also record employment. In the CPS, however, each person's employment status is counted only once, as either employed, unemployed, or not in the labor force.) Once each year, monthly establishment-based employment statistics are adjusted to benchmarks created from annual establishment census information, resulting in revisions to previously published employment estimates.

Tables 3 and 4 and Figure 3 present statistics on employment, average hourly earnings, and average weekly hours in private (non-government) health service establishments. Similar statistics for the all-private non-agricultural sector, included on these tables, provide a basis for comparing the economy as a whole with the

health sector in employment, earnings, and work hours. Table 5 summarizes business activity in the health sector and the overall economy by measuring change in the implied non-supervisory work hours and payroll. Implied work hours are the product of the number of non-supervisory employees and average weekly hours. Implied non-supervisory payrolls are calculated by multiplying implied work hours by average hourly earnings. Figure 4 shows changes from the same quarter 1 year earlier in payroll for 1983 through the second quarter of 1993.

For purposes of NHE, changes in work hours by industry combined with changes in prices (discussed in a later section) can be used to gauge the direction and magnitude of expenditure change in specific industries. We use these composite indicators in the estimation of growth in physician and dental expenditures for the most recent period. We compare the historical relationship of changes in this indicator with changes in expenditures and estimate this relationship for the most recent period.

PRICES

Consumer Prices

The BLS publishes monthly information on changes in prices paid by consumers for a fixed market basket of goods and services. Tables 6 and 7 and Figures 5 and 6 present information on the all-urban consumer price index (CPI) that measures changes in prices faced by 80 percent of the non-institutionalized population in the United States. (The more restrictive wage earner CPI gauges prices faced by wage earners and clerical workers. These workers account for 32

percent of the non-institutionalized population [U.S. Department of Labor, 1993b].)

The index reflects changes in prices charged for the same quality and quantity of goods or services purchased in the base period. For most items, the base period of 1982-84 is used to define the share of consumer expenditures purchasing specific services and products. Those shares or weights remain constant in all years, even though consumption patterns of the household may change over time. This type of index is called a fixed-weight or Laspeyres index.

CPIs for health care goods and services depict price changes for out-of-pocket expenditures made directly by consumers. The composite CPI for medical care weights together product-specific or service-specific CPIs in proportion to household out-of-pocket expenditures for these items. For example, the composite medical care CPI measures inflation for the 3 percent of hospital expenditures that are made out-of-pocket by consumers; the remaining 97 percent of the costs of hospital care paid by private health insurers, Medicare, Medicaid, and other payers are not weighted into the CPI for medical care. In addition, some medical care sector indexes measure changes in list or charged prices, rather than in the prices actually received by providers after discounts are deducted. In several health care areas, received or transaction prices are difficult to capture, although BLS is making advances in this area.

In the NHE, a combination of CPIs for selected medical care items, input price indexes for nursing homes, and the CPI for hospital and related services, adjusted by the Health Care Financing Administration (HCFA) to provide transaction price changes, are used as measures of infla-

tion for the health industry. The indexes are used to develop a fixed-weight price index for personal health care to depict price changes affecting the entire health care industry more accurately than does the overall CPI medical care index (Letsch, 1993).

Background on Input Price Indexes

In 1979, HCFA developed the Medicare hospital input price index (hospital market basket), which was designed to measure the pure price changes associated with expenditure changes for hospital services. In the early 1980s, the skilled nursing facility (SNF) and home health agency (HHA) input price indexes, often referred to as "market baskets," were developed to price a consistent set of goods and services over time. Also in the early 1980s, the original Medicare hospital input price index was revised for use in updating payment rates for the prospective payment system (PPS). All of these indexes have played an important role in helping to set Medicare payment percent increases and in understanding the contribution of input price increases to growing health expenditures.

The input price indexes, or market baskets, are Laspeyres or fixed-weight indexes that are constructed in two steps. First, a base period is selected. For example, for the PPS hospital input price index, the base period is 1987. Cost categories, such as food, fuel, and labor, are identified and their 1987 expenditure amounts determined. The proportion or share of total expenditures included in specific spending categories is calculated. These proportions are called cost or expenditure weights. There are 28 expenditure catego-

ries in the 1987-based PPS hospital input price index.

Second, a price proxy is selected to match each expenditure category: Its purpose is to measure the rate of price increase of the goods or services in that category. The price proxy index for each spending category is multiplied by the expenditure weight for the category. The sum of these products (weights multiplied by the price index) over all cost categories yields the composite input price index for any given time period, usually a fiscal year or a calendar year. The percent change in the input price index is an estimate of price change over time for a fixed quantity of goods and services purchased by a provider.

The input price indexes are estimated on a historical basis and forecasted over several years. The HCFA-chosen price proxies are forecasted under contract with Data Resources, Inc./McGraw Hill (DRI). Following every calendar year quarter, in March, June, September, and December, DRI updates its macroeconomic forecasts of wages and prices based on updated historical information and revised forecast assumptions. Some of the data in Tables 8 through 13 are forecasted, and are expected to change as more recent historical data become available and subsequent quarterly forecasts are received.

The methodology and price proxy definitions used in the input price indexes are described in the *Federal Register* notices that accompany the revisions of the PPS, HHA, and SNF cost limits. A description of the current structure of the PPS input price index was published in the September 4, 1990, *Federal Register*. The most recent PPS update for payment rates was published in the September 1, 1993, *Fed-*

eral Register. The latest HHA regulatory input price index was published in the July 8, 1993, *Federal Register*, and the latest SNF input price index was published in the October 7, 1992, *Federal Register*.

Periodically, the input price indexes are revised to a new base year so that cost weights will reflect changes in the mix of goods and services that are purchased. Each revision allows for new base weights, a new base year, and changes to certain price variables used for price proxies.

Each input price index is presented in two tables: The first is a percent-change table, and the second provides the actual index numbers from which the percentages were computed. The hospital input price index for PPS is in Tables 8 and 9. The SNF input price index is in Tables 10 and 11. The HHA input price index is in Tables 12 and 13.

NATIONAL ECONOMIC INDICATORS

National economic indicators provide a context for understanding health-specific indicators and how change in the health sector relates to change in the economy as a whole. Tables 14 and 15 and Figure 7 present national indicators of output and employment.

Gross domestic product (GDP) measures the U.S. economy as the value of output produced within the geographic boundaries of the United States by U.S. or foreign citizens or companies. Constant dollar or "real" GDP removes the effects of prices from the valuation of goods and services produced, so that the growth of real GDP reflects changes in the "physical" output of the economy (U.S. Department of Commerce, 1993).

Second Quarter Indicators

For the third consecutive quarter, indicators of hospital expenses show a marked deceleration when compared with the same period 1 year earlier. Growth in operating expenses was down more than 2 percentage points from the second quarter of 1992, increasing only 7.3 percent in the second quarter of 1993 to a level of \$69.2 billion. Non-labor expenses accounted for most of the deceleration in operating expenses, growing 6.5 percent in the second quarter of 1993, 3.8 percentage points below that of the same period 1 year earlier. Inpatient expenses also reflected a slower growth, decelerating more than 1 percentage point from the second quarter of 1992. Amount of inpatient expenses per day grew 8.4 percent (to almost \$1,000) in the second quarter of 1993 as compared with a growth rate of 10.4 percent in the second quarter of 1992. The inpatient expenses per admission was up 6.1 percent (to \$6,194) during the same period.

Indicators for the second quarter of 1993 show a continuation of the growing substitution of outpatient services for more expensive inpatient care. Many measures of inpatient utilization—admissions, inpatient days, adult length of stay, beds available, and adult occupancy rates—declined from the second quarter of 1992. In fact, measures such as the inpatient days and adult length of stay are at their lowest levels since 1987-88. Surgical operations, however, continued to grow in the second quarter of 1992, up 1.4 percent from the same period 1 year earlier. Surgical operations may be performed either in an inpatient or outpatient setting, but more and more surgeries are occurring in the outpatient setting. The

number of inpatient surgeries performed in community hospitals declined 31.8 percent from 1981 to 1991, whereas the number of outpatient surgeries increased 228.8 percent (American Hospital Association, 1992). This switch to outpatient from inpatient care may be because of the persistently high prices of inpatient hospital care and pushes by insurers and employers to reduce the persistent rate of increase in health care costs.

In the health service sector, growth in employment in the second quarter of 1992 remained close to the 1992 rates, increasing 4.3 percent in the second quarter of 1993. This amounted to the creation of 365,800 more jobs than in the second quarter of 1992, more than one-fourth of all jobs created in that period. The growth in employment in the private non-agricultural establishments was up 1.5 percent in the second quarter of 1993 from the same period in 1992, displaying the highest positive growth since the first quarter of 1991. Contrasted with the rest of the health care sector and the private non-agricultural sector, growth of employment in the hospital establishments has decelerated. This slowdown in the growth of employment in hospital establishments can also be seen in the deceleration in labor expenses, noted in the AHA panel survey during the past three quarters.

Growth in implied work hours (the product of the non-supervisory employees and average weekly hours) accelerated in both the private non-agricultural and health service establishments except for hospital establishments between the second quarters of 1992 and 1993. Change in the growth of employment was the driving force behind the deceleration in the hospital establishments and acceleration in

the private non-agricultural establishments.

Growth in implied payroll (work hours times average hourly earnings) in total health care establishments remained stable, at 8.3 percent, whereas in private non-agricultural establishments growth accelerated from 2.9 percent to 4.9 percent. This accelerated payroll growth in the private non-agricultural establishments was also because of a growth in employment rather than changes in weekly hours or earnings. There was a fairly healthy growth in payroll and work hours for both offices and clinics of dentists and medical doctors. This acceleration was probably offset by the deceleration in private hospital establishments, leaving the growth in payroll and work hours in all private health service establishments in the second quarter of 1993 at about the same levels as in the second quarter of 1992.

The growth in CPI for all items remains unchanged in the second quarter of 1993, up 3.1 percent from 1 year earlier. Growth in medical care prices continued the deceleration that began in the second quarter of 1991, moving from 7.7 percent in the second quarter of 1992 to 6.1 in the second quarter of 1993. However, growth in medical care prices continues to remain at more than two times that of the CPI for all items less medical care.

Price growth for prescription drugs has decelerated remarkably during the last few years. Prescription drugs exhibited annual growth rates (when compared with the same period 1 year earlier) of 9.9 percent in 1990, 7.6 in 1991, and quarterly growth rates of 5.0 percent in the first quarter of 1993, and 3.3 in the second quarter of 1993. It has decelerated 5.2 percentage points (from 8.5 percent to 3.3 percent) from the second quarter of 1992

to that of 1993. The reasons behind this deceleration in the growth of prescription drugs may be twofold. First, competition has increased immensely in this industry with new chains entering the market and more discounted and generic drugs being sold. Secondly, manufacturers and wholesalers seem to be voluntarily holding down price growth in an effort to avoid mandatory price controls being proposed by health care reformers.

Overall economic conditions for the second quarter of 1993 continue to improve slightly. Real GDP grew 2.9 percent, up from 2.1 percent 1 year earlier. The unemployment rate dropped from 7.5 percent to 7.0 percent from the second quarter of 1992 to that of 1993. Total employment in the private non-agricultural establishments increased 1.5 percent, which was the largest increase experienced in nearly 3 years. The indicators previously described signal a steady but not extremely strong recovery from the recent recession.

REFERENCES

- American Hospital Association: National Hospital Panel Survey. Unpublished. Chicago, 1963-93.
- American Hospital Association: *Hospital Statistics, 1992-93 Edition*. Chicago. 1992.
- Federal Register*: Medicare Program; Changes to the Inpatient Hospital Prospective Payment System and Fiscal Year 1991 Rates; Final Rule. Vol. 55, No. 170, 36043-36050 and 36169-36173. Office of the Federal Register, National Archives and Records Administration. Washington. U.S. Government Printing Office, September 4, 1990.
- Federal Register*: Medicare Program; Changes to the Inpatient Hospital Prospective Payment System and Fiscal Year 1994 Rates; Final Rule. Vol. 58, No. 168, 46455. Office of the Federal Register, National Archives and Records Administration. Washington. U.S. Government Printing Office, September 1, 1993a.
- Federal Register*: Medicare Program; Schedules of Limits of Home Health Agency Cost per Visit for Cost Reporting Periods Beginning on or after July 8, 1993. Vol. 58, No. 129, 36748. Office of the Federal Register, National Archives and Records Administration. Washington. U.S. Government Printing Office, July 8, 1993b.
- Federal Register*: Medicare Program; Schedules of Limits of Skilled Nursing Facility Inpatient Routine Service Costs; Final Rule. Vol. 57, No. 195, 46177-48187. Office of the Federal Register, National Archives and Records Administration. Washington. U.S. Government Printing Office, October 7, 1992.
- Letsch, S.W., Lazenby, H.C., Levit, K.R., and Cowan, C.A.: National Health Expenditures, 1991. *Health Care Financing Review* 14(2):1-30. Winter 1992.
- Letsch, S.W.: National Health Care Spending in 1992. *Health Affairs* 12(1):94-110, Spring 1993.
- U.S. Department of Commerce: National Income and Product Accounts. *Survey of Current Business*. Vol. 73, No. 7. Bureau of Economic Analysis. Washington. U.S. Government Printing Office, July 1993.
- U.S. Department of Labor: *Employment and Earnings*. Vol. 40, No. 6. Bureau of Labor Statistics. Washington. U.S. Government Printing Office, June 1993a.
- U.S. Department of Labor: Notes on Current Labor Statistics: Price Data. *Monthly Labor Review*. Vol. 166, No. 7. Bureau of Labor Statistics. Washington. U.S. Government Printing Office, July 1993b.

For inquiries concerning market basket data, contact Brenda T. Maple at (410) 966-7954. For all other inquiries, contact Carolyn S. Donham at (410) 966-7947.

Reprint requests: Carolyn S. Donham, Room L-1, 1705 Equitable Building, 6325 Security Boulevard, Baltimore, Maryland 21207.

Table 1
Selected Community Hospital Statistics: 1990-93

| Item | Calendar Year | | | 1990 Q2 | 1991 Q2 | 1992 Q2 | 1992 Q3 | 1992 Q4 | 1993 Q1 | 1993 Q2 |
|---|---------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| | 1990 | 1991 | 1992 | | | | | | | |
| Operating Expenses | | | | | | | | | | |
| Total in Millions | \$217,113 | \$238,633 | \$260,994 | \$53,738 | \$58,930 | \$64,532 | \$65,829 | \$66,894 | \$68,527 | \$69,245 |
| Labor in Millions | \$117,828 | \$128,704 | \$140,112 | \$29,050 | \$31,692 | \$34,501 | \$35,396 | \$36,073 | \$36,782 | \$37,250 |
| Non-Labor in Millions | \$99,286 | \$109,929 | \$120,882 | \$24,688 | \$27,238 | \$30,031 | \$30,434 | \$30,821 | \$31,746 | \$31,994 |
| Inpatient Expense in Millions | 165,792 | 178,401 | 191,401 | 40,969 | 43,979 | 47,284 | 47,873 | 48,733 | 50,447 | 50,085 |
| Amount per Patient Day | 765 | 844 | 927 | 760 | 835 | 922 | 950 | 965 | 948 | 999 |
| Amount per Admission | 5,021 | 5,461 | 5,905 | 4,936 | 5,375 | 5,836 | 5,980 | 6,133 | 6,041 | 6,194 |
| Utilization | | | | | | | | | | |
| Admissions in Thousands | 33,017 | 32,670 | 32,411 | 8,300 | 8,182 | 8,102 | 8,005 | 7,947 | 8,351 | 8,086 |
| Inpatient Days in Thousands | 216,836 | 211,475 | 206,440 | 53,931 | 52,681 | 51,306 | 50,387 | 50,509 | 543,228 | 50,150 |
| Adult Length of Stay in Days | 6.6 | 6.5 | 6.4 | 6.5 | 6.4 | 6.3 | 6.3 | 6.4 | 6.4 | 6.2 |
| Surgical Operations in Thousands | 21,904 | 21,983 | 22,463 | 5,581 | 5,572 | 5,641 | 5,630 | 5,584 | 5,646 | 5,721 |
| Outpatient Visits in Thousands | 326,498 | 344,116 | 366,243 | 82,609 | 86,331 | 91,572 | 93,271 | 92,232 | 94,677 | 97,637 |
| Beds in Thousands | 921 | 912 | 908 | 924 | 913 | 910 | 908 | 904 | 905 | 904 |
| Adult Occupancy Rate ¹ | 64.5 | 63.5 | 62.1 | 64.1 | 63.4 | 62.0 | 60.3 | 60.7 | 65.3 | 61.0 |
| Full-Time Equivalent (FTE) Personnel | | | | | | | | | | |
| Total in Thousands | 3,229 | 3,249 | 3,300 | 3,226 | 3,244 | 3,290 | 3,310 | 3,324 | 3,322 | 3,331 |
| Number per Bed | 3.5 | 3.6 | 3.6 | 3.5 | 3.6 | 3.6 | 3.6 | 3.7 | 3.7 | 3.7 |
| Adjusted Patient Days ² per FTE | 88 | 87 | 85 | 22 | 22 | 21 | 21 | 21 | 22 | 21 |
| Adjusted Patient Days in Thousands | 283,959 | 282,874 | 281,502 | 70,741 | 70,590 | 70,021 | 69,286 | 69,332 | 72,306 | 69,334 |

¹Adult occupancy rate is the ratio of average daily census to the average number of beds maintained during the reporting period.

²Adjusted patient days is an aggregate figure reflecting the number of days of inpatient care, plus an estimate of the volume of outpatient services, expressed in units equivalent to an inpatient day in terms of level of effort. It is derived by multiplying the number of outpatient visits by the ratio of outpatient revenue per outpatient visit to inpatient revenue per inpatient day, and adding the product to the number of inpatient days.

NOTES: Q designates quarter of year. Quarterly data are not seasonally adjusted.

SOURCE: American Hospital Association: *National Panel Survey Reports*. Chicago. Monthly reports for January 1990-June 1993.

Table 2
Percent Change in Selected Community Hospital Statistics: 1990-93

| Item | Calendar Year | | | 1990 Q2 | 1991 Q2 | 1992 Q2 | 1992 Q3 | 1992 Q4 | 1993 Q1 | 1993 Q2 |
|---|---------------|------|------|--|------------|------------|------------|------------|------------|------------|
| | 1990 | 1991 | 1992 | | | | | | | |
| | Annual | | | Percent Change From the Same Period of Previous Year | | | | | | |
| Operating expenses | | | | | | | | | | |
| Total | 11.1 | 9.9 | 9.4 | 11.5 | 9.7 | 9.5 | 9.3 | 7.4 | 7.5 | 7.3 |
| Labor | 11.1 | 9.2 | 8.9 | 11.5 | 9.1 | 8.9 | 8.9 | 7.6 | 7.7 | 8.0 |
| Non-Labor | 11.1 | 10.7 | 10.0 | 11.5 | 10.3 | 10.3 | 9.9 | 7.1 | 7.3 | 6.5 |
| Inpatient Expenses | | | | | | | | | | |
| Amount per Patient Day | 9.0 | 7.6 | 7.3 | 9.4 | 7.3 | 7.5 | 7.4 | 5.0 | 6.2 | 5.9 |
| Amount per Admission | 10.7 | 10.3 | 9.9 | 10.9 | 9.9 | 10.4 | 9.7 | 9.7 | 8.2 | 8.4 |
| Amount per Admission | 9.5 | 8.8 | 8.1 | 8.8 | 8.9 | 8.6 | 8.3 | 7.8 | 6.3 | 6.1 |
| Utilization | | | | | | | | | | |
| Admissions | -0.5 | -1.1 | -0.8 | 0.6 | -1.4 | -1.0 | -0.9 | -2.6 | -0.1 | -0.2 |
| Inpatient Days | -1.6 | -2.5 | -2.4 | -1.4 | -2.3 | -2.6 | -2.1 | -4.3 | -1.9 | -2.3 |
| Adult Length of Stay | -1.1 | -1.4 | -1.6 | -1.9 | -0.9 | -1.6 | -1.2 | -1.7 | -1.8 | -2.1 |
| Surgical Operations | 2.4 | 0.4 | 2.2 | 2.1 | -0.2 | 1.2 | 1.7 | 1.6 | 0.7 | 1.4 |
| Outpatient Visits | 6.0 | 5.4 | 6.4 | 5.4 | 4.5 | 6.1 | 6.4 | 5.2 | 6.2 | 6.6 |
| Beds | | | | | | | | | | |
| Adult Occupancy Rate ¹ | -0.9 | -1.0 | -0.5 | -0.8 | -1.3 | -0.3 | -0.3 | -0.5 | -0.4 | -0.7 |
| Adult Occupancy Rate ¹ | -0.4 | -0.9 | -1.4 | -0.4 | -0.7 | -1.5 | -1.1 | -2.4 | -0.2 | -1.0 |
| Full-Time Equivalent (FTE) Personnel | | | | | | | | | | |
| Total | 2.1 | 0.6 | 1.6 | 2.4 | 0.5 | 1.4 | 1.8 | 2.0 | 1.4 | 1.3 |
| Number per Bed | 3.1 | 1.7 | 2.0 | 3.2 | 1.8 | 1.7 | 2.1 | 2.6 | 1.8 | 2.0 |
| Adjusted Patient Days per FTE | -1.7 | -1.0 | -2.0 | -1.9 | -0.8 | -2.2 | -2.1 | -4.0 | -2.0 | -2.2 |
| Adjusted Patient Days | 0.3 | -0.4 | -0.5 | 0.5 | -0.2 | -0.8 | -0.3 | -2.1 | -0.7 | -1.0 |

¹Change in rate, rather than percent change.

NOTE: Q designates quarter of year.

SOURCE: American Hospital Association: *National Hospital Panel Survey Reports*. Chicago. Monthly reports for January 1989-June 1993.

Figure 1

Percent Change in Operating Expense and Admissions from the Same Period of Previous Year: 1983-93

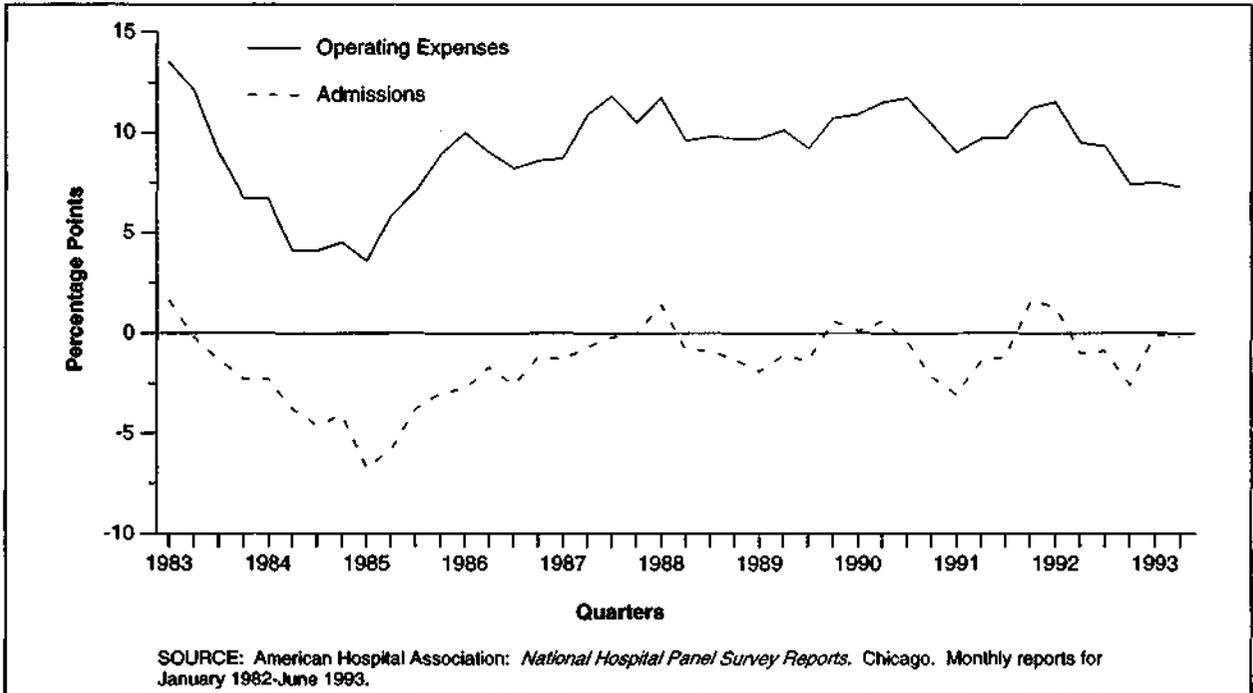


Figure 2

Percent Change in Inpatient Days, Outpatient Visits, and Beds from the Same Period of Previous Year: 1983-93

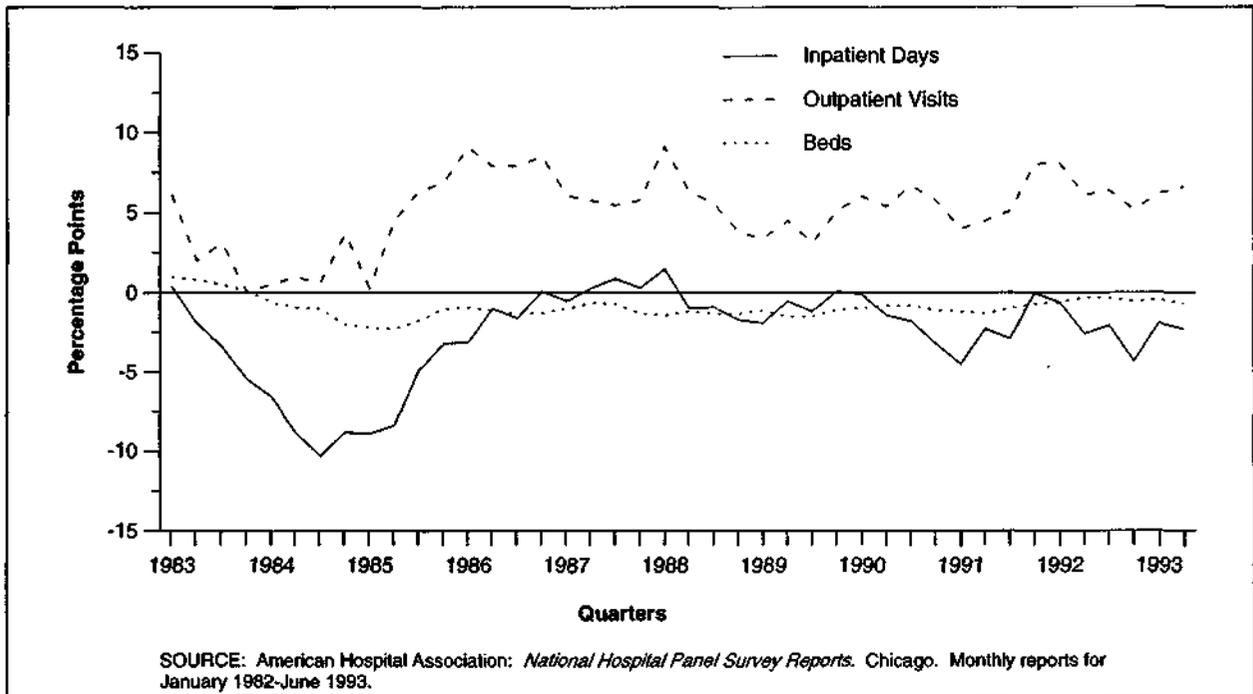


Table 3
Employment, Hours, and Earnings in Private¹ Health Service Establishments, by Selected Type of Establishment:
1990-93

| Type of Establishment and Measure | Calendar Year | | | 1990 Q2 | 1991 Q2 | 1992 Q2 | 1992 Q3 | 1992 Q4 | 1993 Q1 | 1993 Q2 |
|---|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 1990 | 1991 | 1992 | | | | | | | |
| Health Services (SIC 80) | | | | | | | | | | |
| Total Employment in Thousands | 7,814.3 | 8,182.9 | 8,523.3 | 7,767.7 | 8,131.0 | 8,470.6 | 8,580.5 | 8,667.4 | 8,735.7 | 8,836.4 |
| Non-Supervisory Workers: | | | | | | | | | | |
| Employment in Thousands | 6,947.6 | 7,275.8 | 7,575.3 | 6,907.2 | 7,231.0 | 7,531.4 | 7,627.1 | 7,698.2 | 7,755.0 | 7,843.9 |
| Average Weekly Hours | 32.5 | 32.5 | 32.8 | 32.4 | 32.5 | 32.6 | 32.9 | 32.8 | 32.7 | 32.7 |
| Average Hourly Earnings | \$10.40 | \$10.96 | \$11.39 | \$10.31 | \$10.90 | \$11.30 | \$11.44 | \$11.57 | \$11.68 | \$11.70 |
| Offices and Clinics of Medical Doctors (SIC 801) | | | | | | | | | | |
| Total Employment in Thousands | 1,338.2 | 1,404.5 | 1,472.7 | 1,331.5 | 1,393.7 | 1,460.2 | 1,485.7 | 1,504.7 | 1,517.6 | 1,538.1 |
| Non-Supervisory Workers: | | | | | | | | | | |
| Employment in Thousands | 1,104.5 | 1,155.4 | 1,209.4 | 1,100.0 | 1,148.4 | 1,200.7 | 1,219.9 | 1,232.9 | 1,242.0 | 1,258.4 |
| Average Weekly Hours | 31.8 | 31.9 | 32.1 | 31.6 | 31.9 | 32.0 | 32.2 | 32.2 | 32.1 | 32.2 |
| Average Hourly Earnings | \$10.58 | \$11.13 | \$11.41 | \$10.46 | \$11.08 | \$11.32 | \$11.46 | \$11.65 | \$11.72 | \$11.85 |
| Offices and Clinics of Dentists (SIC 802) | | | | | | | | | | |
| Total Employment in Thousands | 512.9 | 527.6 | 541.9 | 512.4 | 524.9 | 539.1 | 545.2 | 549.3 | 552.3 | 560.0 |
| Non-Supervisory Workers: | | | | | | | | | | |
| Employment in Thousands | 449.7 | 463.5 | 474.3 | 449.5 | 461.1 | 471.6 | 477.3 | 481.1 | 483.5 | 489.8 |
| Average Weekly Hours | 28.4 | 28.3 | 28.3 | 28.4 | 28.3 | 28.2 | 28.3 | 28.3 | 28.1 | 28.4 |
| Average Hourly Earnings | \$10.14 | \$10.62 | \$11.01 | \$10.09 | \$10.58 | \$10.97 | \$10.99 | \$11.19 | \$11.25 | \$11.34 |
| Nursing and Personal Care Facilities (SIC 805) | | | | | | | | | | |
| Total Employment in Thousands | 1,415.4 | 1,492.6 | 1,542.7 | 1,404.6 | 1,484.6 | 1,531.1 | 1,552.5 | 1,569.1 | 1,581.9 | 1,604.6 |
| Non-Supervisory Workers: | | | | | | | | | | |
| Employment in Thousands | 1,278.9 | 1,347.4 | 1,393.7 | 1,269.7 | 1,339.7 | 1,383.2 | 1,403.4 | 1,417.8 | 1,428.6 | 1,449.0 |
| Average Weekly Hours | 32.1 | 32.1 | 32.3 | 31.9 | 32.0 | 32.0 | 32.7 | 32.3 | 32.0 | 32.2 |
| Average Hourly Earnings | \$7.24 | \$7.56 | \$7.85 | \$7.20 | \$7.52 | \$7.81 | \$7.90 | \$7.95 | \$8.05 | \$8.09 |
| Private Hospitals (SIC 806) | | | | | | | | | | |
| Total Employment in Thousands | 3,548.7 | 3,655.1 | 3,759.8 | 3,530.3 | 3,635.7 | 3,746.4 | 3,780.0 | 3,792.4 | 3,805.5 | 3,815.4 |
| Non-Supervisory Workers: | | | | | | | | | | |
| Employment in Thousands | 3,248.4 | 3,352.5 | 3,451.4 | 3,230.0 | 3,334.1 | 3,439.0 | 3,470.2 | 3,481.3 | 3,491.8 | 3,499.6 |
| Average Weekly Hours | 34.2 | 34.2 | 34.4 | 34.2 | 34.2 | 34.4 | 34.5 | 34.4 | 34.5 | 34.5 |
| Average Hourly Earnings | \$11.79 | \$12.50 | \$13.03 | \$11.67 | \$12.43 | \$12.90 | \$13.12 | \$13.26 | \$13.38 | \$13.38 |
| All Private Non-Agricultural Establishments | | | | | | | | | | |
| Total Employment in Thousands | 91,115 | 89,854 | 89,866 | 91,386 | 89,884 | 89,924 | 90,715 | 90,714 | 89,217 | 91,297 |
| Non-Supervisory Workers: | | | | | | | | | | |
| Employment in Thousands | 73,800 | 72,650 | 72,866 | 74,054 | 72,662 | 72,898 | 73,678 | 73,755 | 72,357 | 74,316 |
| Average Weekly Hours | 34.5 | 34.3 | 34.4 | 34.5 | 34.3 | 34.3 | 34.6 | 34.5 | 34.0 | 34.4 |
| Average Hourly Earnings | \$10.01 | \$10.32 | \$10.57 | \$9.96 | \$10.29 | \$10.53 | \$10.57 | \$10.70 | \$10.78 | \$10.79 |
| See footnotes at end of table. | | | | | | | | | | |

Table 3—Continued
Employment, Hours, and Earnings in Private¹ Health Service Establishments, by Selected Type of Establishment:
1990-93

| Type of Establishment and Measure | Calendar Year | | | 1990 Q2 | 1991 Q2 | 1992 Q2 | 1992 Q3 | 1992 Q4 | 1993 Q1 | 1993 Q2 |
|--------------------------------------|---------------|---------|---------|------------|------------|------------|------------|------------|------------|------------|
| | 1990 | 1991 | 1992 | | | | | | | |
| Employment in Thousands | | | | | | | | | | |
| All Hospitals | 4,852.5 | 4,958.2 | 5,086.2 | 4,835.1 | 4,936.8 | 5,068.1 | 5,112.5 | 5,128.8 | 5,146.6 | 5,163.4 |
| Private Hospitals (SIC 806) | 3,548.7 | 3,655.1 | 3,759.8 | 3,530.3 | 3,635.7 | 3,746.4 | 3,780.0 | 3,792.4 | 3,805.5 | 3,815.4 |
| Federal Hospitals | 231.6 | 233.5 | 237.0 | 232.5 | 233.2 | 236.7 | 237.5 | 237.7 | 238.1 | 239.3 |
| State Hospitals | 426.2 | 416.7 | 419.8 | 427.8 | 417.2 | 420.1 | 420.2 | 419.1 | 418.2 | 417.6 |
| Local Hospitals | 646.1 | 652.9 | 689.7 | 644.5 | 650.6 | 664.9 | 674.8 | 679.6 | 684.7 | 691.0 |

¹Excludes hospitals, clinics, and other health-related establishments run by all governments.

NOTES: Data presented here incorporate conversion to the 1987 Standard Industrial Classification (SIC) and a historical reconstruction of components back to the inception of the series, whenever possible. Q designates quarter of year. Quarterly data are not seasonally adjusted.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics: *Employment and Earnings*. Washington. U.S. Government Printing Office. Monthly reports for January 1990-September 1993.

Table 4
Percent Change in Employment, Hours, and Earnings in Private¹ Health Service
Establishments, by Selected Type of Establishment: 1990-93

| Type of Establishment and Measure | Calendar Year | | | 1990 Q2 | 1991 Q2 | 1992 Q2 | 1992 Q3 | 1992 Q4 | 1993 Q1 | 1993 Q2 |
|---|-----------------------|------|------|--|------------|------------|------------|------------|------------|------------|
| | 1990 | 1991 | 1992 | | | | | | | |
| | Annual Percent Change | | | Percent Change From the Same Period of Previous Year | | | | | | |
| Health Services (SIC 80) | | | | | | | | | | |
| Total Employment | 4.7 | 4.7 | 4.2 | 4.5 | 4.7 | 4.2 | 4.0 | 4.2 | 4.3 | 4.3 |
| Non-Supervisory Workers: | | | | | | | | | | |
| Employment | 4.7 | 4.7 | 4.1 | 4.5 | 4.7 | 4.2 | 4.0 | 4.1 | 4.2 | 4.1 |
| Average Weekly Hours | 0.3 | -0.0 | 0.7 | 0.2 | 0.2 | 0.3 | 0.6 | 0.5 | -0.4 | 0.4 |
| Average Hourly Earnings | 5.9 | 5.3 | 3.9 | 6.3 | 5.8 | 3.7 | 3.6 | 3.7 | 4.0 | 3.5 |
| Offices and Clinics of Medical Doctors (SIC 801) | | | | | | | | | | |
| Total Employment | 5.5 | 5.0 | 4.9 | 5.6 | 4.7 | 4.8 | 4.6 | 5.1 | 5.4 | 5.3 |
| Non-Supervisory Workers: | | | | | | | | | | |
| Employment | 5.5 | 4.6 | 4.7 | 5.5 | 4.4 | 4.6 | 4.4 | 4.9 | 4.9 | 4.8 |
| Average Weekly Hours | -0.4 | 0.4 | 0.7 | -0.8 | 1.2 | 0.1 | 0.6 | 0.6 | -0.4 | 0.6 |
| Average Hourly Earnings | 8.1 | 5.3 | 2.5 | 8.7 | 5.9 | 2.2 | 2.8 | 3.0 | 4.4 | 4.7 |
| Offices and Clinics of Dentists (SIC 802) | | | | | | | | | | |
| Total Employment | 2.6 | 2.9 | 2.7 | 2.6 | 2.4 | 2.7 | 2.6 | 2.7 | 3.5 | 3.9 |
| Non-Supervisory Workers: | | | | | | | | | | |
| Employment | 2.8 | 3.1 | 2.3 | 2.8 | 2.6 | 2.3 | 2.1 | 2.5 | 3.4 | 3.8 |
| Average Weekly Hours | -0.2 | -0.4 | 0.2 | -1.0 | -0.1 | -0.4 | 0.4 | 0.0 | -1.3 | 0.7 |
| Average Hourly Earnings | 7.8 | 4.7 | 3.7 | 8.2 | 4.9 | 3.7 | 3.3 | 3.8 | 3.1 | 3.4 |
| Nursing and Personal Care Facilities (SIC 805) | | | | | | | | | | |
| Total Employment | 4.4 | 5.5 | 3.4 | 4.1 | 5.7 | 3.1 | 3.2 | 3.6 | 4.2 | 4.8 |
| Non-Supervisory Workers: | | | | | | | | | | |
| Employment | 4.3 | 5.4 | 3.4 | 4.0 | 5.5 | 3.2 | 3.3 | 3.7 | 4.2 | 4.8 |
| Average Weekly Hours | 0.9 | 0.1 | 0.5 | 0.6 | 0.3 | 0.1 | 0.8 | 0.2 | -0.7 | 0.4 |
| Average Hourly Earnings | 6.5 | 4.4 | 3.9 | 7.1 | 4.5 | 3.9 | 4.0 | 3.8 | 3.8 | 3.6 |
| Private Hospitals (SIC 806) | | | | | | | | | | |
| Total Employment | 3.2 | 3.0 | 2.9 | 3.0 | 3.0 | 3.0 | 2.9 | 2.6 | 2.3 | 1.8 |
| Non-Supervisory Workers: | | | | | | | | | | |
| Employment | 3.3 | 3.2 | 2.9 | 3.0 | 3.2 | 3.1 | 3.0 | 2.6 | 2.2 | 1.8 |
| Average Weekly Hours | 0.7 | -0.0 | 0.6 | 0.9 | 0.1 | 0.4 | 0.3 | 0.4 | 0.4 | 0.5 |
| Average Hourly Earnings | 5.2 | 6.0 | 4.2 | 5.5 | 6.5 | 3.8 | 3.6 | 3.9 | 4.2 | 3.7 |
| All Private Non-Agricultural Establishments | | | | | | | | | | |
| Total Employment | 1.1 | -1.4 | 0.0 | 1.4 | -1.6 | 0.0 | 0.2 | 0.6 | 1.3 | 1.5 |
| Non-Supervisory workers: | | | | | | | | | | |
| Employment | 1.0 | -1.6 | 0.3 | 1.4 | -1.9 | 0.3 | 0.5 | 1.0 | 1.7 | 1.9 |
| Average Weekly Hours | -0.3 | -0.6 | 0.2 | -0.3 | -0.7 | 0.2 | -0.0 | 0.1 | -0.1 | 0.3 |
| Average Hourly Earnings | 3.7 | 3.1 | 2.5 | 3.9 | 3.2 | 2.3 | 2.3 | 2.5 | 2.6 | 2.5 |
| Employment | | | | | | | | | | |
| All Hospitals | 2.4 | 2.2 | 2.6 | 2.3 | 2.1 | 2.7 | 2.7 | 2.5 | 2.2 | 1.9 |
| Private Hospitals (SIC 806) | 3.2 | 3.0 | 2.9 | 3.0 | 3.0 | 3.0 | 2.9 | 2.6 | 2.3 | 1.8 |
| Federal Hospitals | 1.9 | 0.8 | 1.5 | 3.3 | 0.3 | 1.5 | 1.1 | 1.1 | 0.9 | 1.1 |
| State Hospitals | -3.7 | -2.2 | 0.7 | -3.8 | -2.5 | 0.7 | 1.2 | 0.6 | -0.4 | -0.6 |
| Local Hospitals | 2.2 | 1.1 | 2.6 | 2.5 | 0.9 | 2.2 | 2.9 | 3.6 | 3.9 | 3.9 |

¹Excludes hospitals, clinics, and other health-related establishments run by all governments.

NOTES: Data presented here incorporate conversion to the 1987 Standard Industrial Classification (SIC) and a historical reconstruction of components back to the inception of the series whenever possible. Q designates quarter of year.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics: *Employment and Earnings*. Washington. U.S. Government Printing Office. Monthly reports for January 1989-September 1993.

Figure 3
Percent Change in Employment from the Same Period of Previous Year: 1984-93

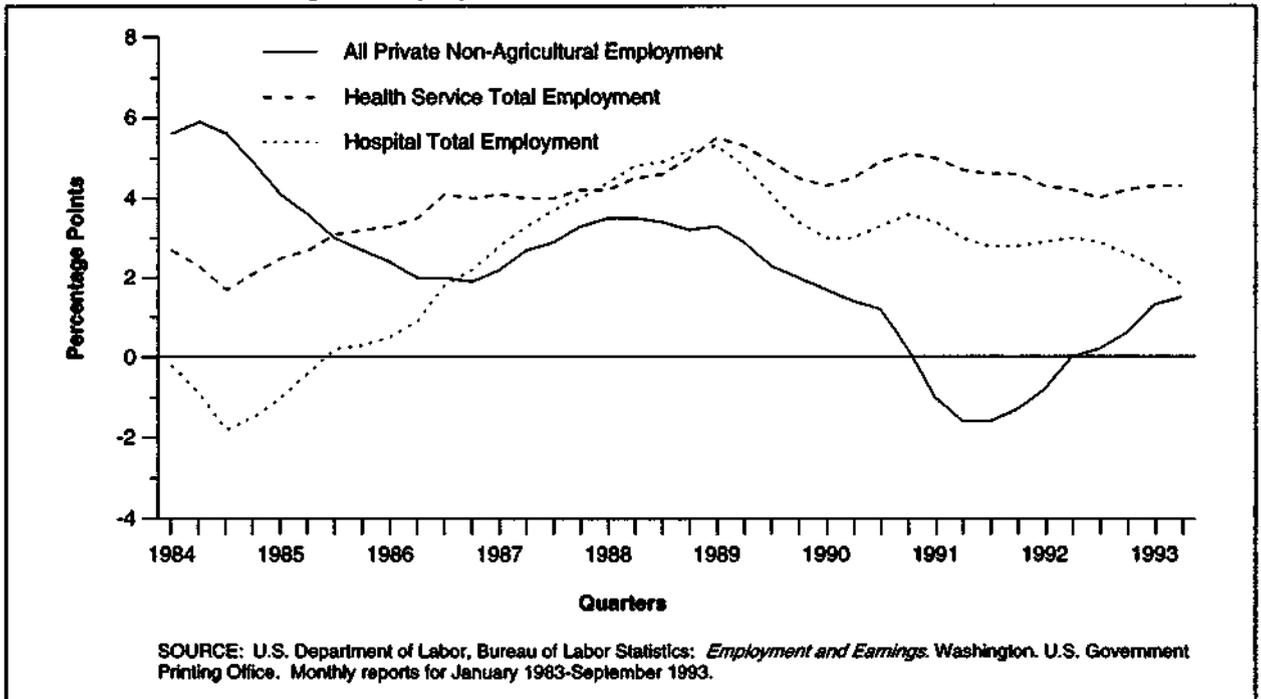


Table 5

Percent Change in Implied Non-Supervisory Payrolls and Work Hours in Private¹ Health Service Establishments, by Selected Type of Establishment: 1990-93

| Type of Establishment | Calendar Year | | | 1990 Q2 | 1991 Q2 | 1992 Q2 | 1992 Q3 | 1992 Q4 | 1993 Q1 | 1993 Q2 |
|---|-----------------------|------|------|--|------------|------------|------------|------------|------------|------------|
| | 1990 | 1991 | 1992 | | | | | | | |
| | Annual Percent Change | | | Percent Change From the Same Period of Previous Year | | | | | | |
| Private Health Service Establishments (SIC 80) | | | | | | | | | | |
| Payrolls | 11.2 | 10.3 | 8.9 | 11.3 | 11.0 | 8.3 | 8.4 | 8.5 | 7.9 | 8.3 |
| Work Hours | 5.0 | 4.7 | 4.8 | 4.7 | 4.9 | 4.5 | 4.6 | 4.6 | 3.7 | 4.6 |
| Offices and Clinics of Medical Doctors (SIC 801) | | | | | | | | | | |
| Payrolls | 13.6 | 10.6 | 8.1 | 13.7 | 11.8 | 6.9 | 8.0 | 8.7 | 9.1 | 10.4 |
| Work Hours | 5.1 | 5.1 | 5.4 | 4.7 | 5.6 | 4.7 | 5.1 | 5.5 | 4.5 | 5.5 |
| Offices and Clinics of Dentists (SIC 802) | | | | | | | | | | |
| Payrolls | 10.6 | 7.5 | 6.4 | 10.1 | 7.4 | 5.7 | 5.8 | 6.4 | 5.3 | 8.1 |
| Work Hours | 2.6 | 2.6 | 2.5 | 1.8 | 2.5 | 1.9 | 2.5 | 2.5 | 2.1 | 4.6 |
| Nursing and Personal Care Facilities (SIC 805) | | | | | | | | | | |
| Payrolls | 12.1 | 10.1 | 8.0 | 12.2 | 10.6 | 7.3 | 8.3 | 7.8 | 7.4 | 9.0 |
| Work Hours | 5.2 | 5.5 | 4.0 | 4.7 | 5.8 | 3.4 | 4.1 | 3.9 | 3.5 | 5.2 |
| Private Hospitals (SIC 806) | | | | | | | | | | |
| Payrolls | 9.4 | 9.4 | 7.9 | 9.6 | 10.1 | 7.5 | 7.0 | 7.1 | 6.9 | 6.0 |
| Work Hours | 4.0 | 3.2 | 3.5 | 3.9 | 3.3 | 3.5 | 3.3 | 3.0 | 2.6 | 2.3 |
| All Private Non-Agricultural Establishments | | | | | | | | | | |
| Payrolls | 4.5 | 0.9 | 3.0 | 5.0 | 0.6 | 2.9 | 2.7 | 3.6 | 4.3 | 4.9 |
| Work Hours | 0.8 | -2.1 | 0.5 | 1.1 | -2.5 | 0.5 | 0.5 | 1.1 | 1.6 | 2.2 |

¹Excludes hospitals, clinics, and other health-related establishments run by all governments.

NOTES: Data presented here incorporate conversion to the 1987 Standard Industrial Classification (SIC) and a historical reconstruction of components back to the inception of the series, whenever possible. Q designates quarter of year. Quarterly data not seasonally adjusted.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics: *Employment and Earnings*. Washington. U.S. Government Printing Office. Monthly reports for January 1989-September 1993.

Figure 4

Percent Change for Non-Supervisory Payroll from the Same Period of Previous Year: 1983-93

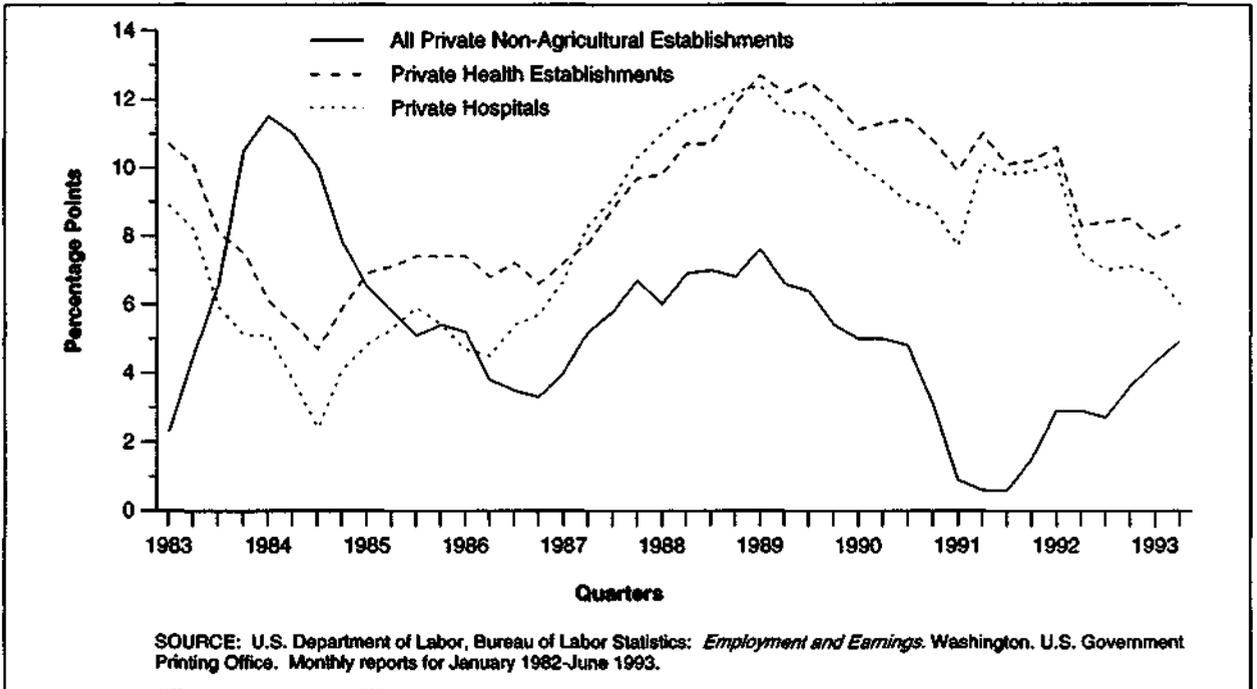


Table 6
Selected Items of the Consumer Price Index for All Urban Consumers: 1990-93

| Item | Calendar Year | | | 1990 Q2 | 1991 Q2 | 1992 Q2 | 1992 Q3 | 1992 Q4 | 1993 Q1 | 1993 Q2 |
|--|---------------|-------|-------|------------|------------|------------|------------|------------|------------|------------|
| | 1990 | 1991 | 1992 | | | | | | | |
| All Items | 130.7 | 136.2 | 140.3 | 129.3 | 135.6 | 139.8 | 140.9 | 141.9 | 143.1 | 144.2 |
| All Items Less Medical Care | 128.8 | 133.8 | 137.5 | 127.5 | 133.3 | 137.0 | 138.0 | 138.9 | 140.0 | 141.0 |
| Apparel and Upkeep | 124.1 | 128.7 | 131.9 | 125.2 | 128.8 | 132.5 | 130.9 | 133.6 | 133.1 | 134.6 |
| Energy | 102.1 | 102.4 | 103.0 | 97.3 | 101.7 | 102.6 | 105.8 | 104.3 | 102.7 | 104.7 |
| Food and Beverages | 132.1 | 136.8 | 138.7 | 131.3 | 137.4 | 138.5 | 138.7 | 139.3 | 140.7 | 141.4 |
| Housing: Shelter | 140.0 | 146.3 | 151.2 | 138.6 | 145.4 | 150.5 | 152.0 | 152.5 | 154.3 | 155.2 |
| Medical Care | 162.8 | 177.0 | 190.1 | 160.8 | 175.3 | 188.7 | 191.5 | 194.1 | 197.7 | 200.3 |
| Medical Care Services ¹ | 162.7 | 177.1 | 190.5 | 160.5 | 175.2 | 188.9 | 192.1 | 195.0 | 198.8 | 201.8 |
| Professional Services | 156.1 | 165.7 | 175.8 | 155.0 | 164.5 | 174.7 | 177.0 | 179.0 | 181.6 | 184.1 |
| Physicians' Services | 160.8 | 170.5 | 181.2 | 159.8 | 169.3 | 180.3 | 182.6 | 184.6 | 187.7 | 190.5 |
| Dental Services | 155.8 | 167.4 | 178.7 | 154.4 | 165.5 | 177.0 | 180.4 | 182.6 | 184.8 | 187.6 |
| Hospital and Related Services | 178.0 | 196.1 | 214.0 | 174.5 | 193.2 | 211.3 | 216.0 | 220.6 | 226.2 | 230.0 |
| Hospital Room | 175.4 | 191.9 | 208.7 | 172.2 | 189.5 | 206.1 | 210.6 | 215.2 | 220.6 | 224.6 |
| Other Inpatient Services ² | 142.7 | 158.0 | 172.3 | 139.4 | 155.4 | 170.2 | 173.9 | 177.0 | 181.1 | 183.9 |
| Outpatient Services ² | 138.7 | 153.4 | 168.7 | 136.3 | 151.1 | 166.4 | 170.1 | 174.7 | 179.9 | 183.0 |
| Medical Care Commodities | 163.4 | 176.8 | 188.0 | 162.3 | 175.4 | 187.8 | 189.0 | 190.4 | 193.0 | 194.2 |
| Prescription Drugs | 181.7 | 199.7 | 214.7 | 180.2 | 197.6 | 214.5 | 215.6 | 218.0 | 221.4 | 221.6 |
| Non-Prescription Drugs and Medical Supplies ² | 120.6 | 126.2 | 131.2 | 120.1 | 125.9 | 131.1 | 132.1 | 132.1 | 133.2 | 135.6 |
| Internal and Respiratory Over-the-Counter Drugs | 145.9 | 152.4 | 158.2 | 144.9 | 151.9 | 158.4 | 159.9 | 159.3 | 160.4 | 163.4 |
| Non-Prescription Medical Equipment and Supplies | 138.0 | 145.0 | 150.9 | 138.1 | 144.8 | 150.4 | 151.2 | 152.1 | 153.8 | 156.4 |

¹Includes the net cost of private health insurance not shown in professional or hospital and related services.

²December 1986 = 100.

NOTES: 1982-84 = 100.0 unless noted. Q designates quarter of year. Quarterly data not seasonally adjusted.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics: *CPI Detailed Report*. Washington, U.S. Government Printing Office. Monthly reports for January 1990-June 1993.

Table 7
Percent Change in Selected Items of the Consumer Price Index for All Urban Consumers:
1990-93

| Item | Calendar Year | | | 1990 Q2 | 1991 Q2 | 1992 Q2 | 1992 Q3 | 1992 Q4 | 1993 Q1 | 1993 Q2 |
|---|-----------------------|------|------|--|------------|------------|------------|------------|------------|------------|
| | 1990 | 1991 | 1992 | | | | | | | |
| | Annual Percent Change | | | Percent Change From the Same Period of Previous Year | | | | | | |
| All Items | 5.4 | 4.2 | 3.0 | 4.6 | 4.8 | 3.1 | 3.1 | 3.1 | 3.2 | 3.1 |
| All Items Less Medical Care | 5.2 | 3.9 | 2.7 | 4.3 | 4.6 | 2.8 | 2.8 | 2.8 | 2.9 | 2.9 |
| Apparel and Upkeep | 4.6 | 3.7 | 2.5 | 4.6 | 2.9 | 2.8 | 2.2 | 1.4 | 2.0 | 1.6 |
| Energy | 8.2 | 0.4 | 0.5 | 0.2 | 4.5 | 0.9 | 2.6 | 2.4 | 3.4 | 2.0 |
| Food and Beverages | 5.8 | 3.6 | 1.4 | 5.4 | 4.7 | 0.8 | 1.4 | 1.7 | 1.8 | 2.1 |
| Housing: Shelter | 5.4 | 4.5 | 3.4 | 5.2 | 4.9 | 3.5 | 3.3 | 3.1 | 3.0 | 3.1 |
| Medical Care | 9.1 | 8.7 | 7.4 | 9.0 | 9.0 | 7.7 | 7.2 | 6.8 | 6.3 | 6.1 |
| Medical Care Services ¹ | 9.3 | 8.9 | 7.6 | 9.1 | 9.2 | 7.8 | 7.5 | 7.2 | 6.8 | 6.8 |
| Professional Services | 6.6 | 6.2 | 6.1 | 6.6 | 6.1 | 6.2 | 6.0 | 5.8 | 5.4 | 5.3 |
| Physicians' Services | 7.2 | 6.0 | 6.3 | 7.3 | 5.9 | 6.5 | 6.4 | 6.3 | 5.9 | 5.7 |
| Dental Services | 6.7 | 7.5 | 6.7 | 6.3 | 7.2 | 6.9 | 6.5 | 6.1 | 5.8 | 6.0 |
| Hospital and Related Services | 10.9 | 10.2 | 9.1 | 10.8 | 10.8 | 9.4 | 9.1 | 9.0 | 8.7 | 8.8 |
| Hospital Room | 10.9 | 9.4 | 8.8 | 11.2 | 10.0 | 8.8 | 9.0 | 9.0 | 8.8 | 9.0 |
| Other Inpatient Services | 10.7 | 10.7 | 9.1 | 10.1 | 11.5 | 9.5 | 9.1 | 8.4 | 7.8 | 8.0 |
| Outpatient Services | 11.2 | 10.6 | 10.0 | 11.2 | 10.8 | 10.1 | 9.7 | 10.2 | 10.1 | 10.0 |
| Medical Care Commodities | 8.4 | 8.2 | 6.4 | 8.3 | 8.1 | 7.1 | 5.7 | 5.2 | 4.3 | 3.4 |
| Prescription Drugs | 10.0 | 9.9 | 7.6 | 10.0 | 9.7 | 8.5 | 6.5 | 6.0 | 5.0 | 3.3 |
| Non-Prescription Drugs and Medical Supplies | 5.2 | 4.7 | 3.9 | 5.0 | 4.8 | 4.1 | 3.9 | 3.4 | 3.0 | 3.5 |
| Internal and Respiratory | | | | | | | | | | |
| Over-the-Counter Drugs | 5.2 | 4.5 | 3.8 | 4.6 | 4.8 | 4.3 | 4.0 | 3.7 | 3.3 | 3.2 |
| Non-Prescription Medical Equipment and Supplies | 5.3 | 5.0 | 4.1 | 5.7 | 4.8 | 3.9 | 3.6 | 2.7 | 2.4 | 4.0 |

¹Includes net cost of private health insurance not shown in professional or hospital and related services.

NOTE: Q designates quarter of year.

SOURCE: U.S. Department of Labor, Bureau of Labor Statistics: *CPI Detailed Report*. Washington, U.S. Government Printing Office. Monthly reports for January 1989-June 1993.

Figure 5

Percent Change in Measures of Price Inflation from the Same Period of Previous Year: 1983-93

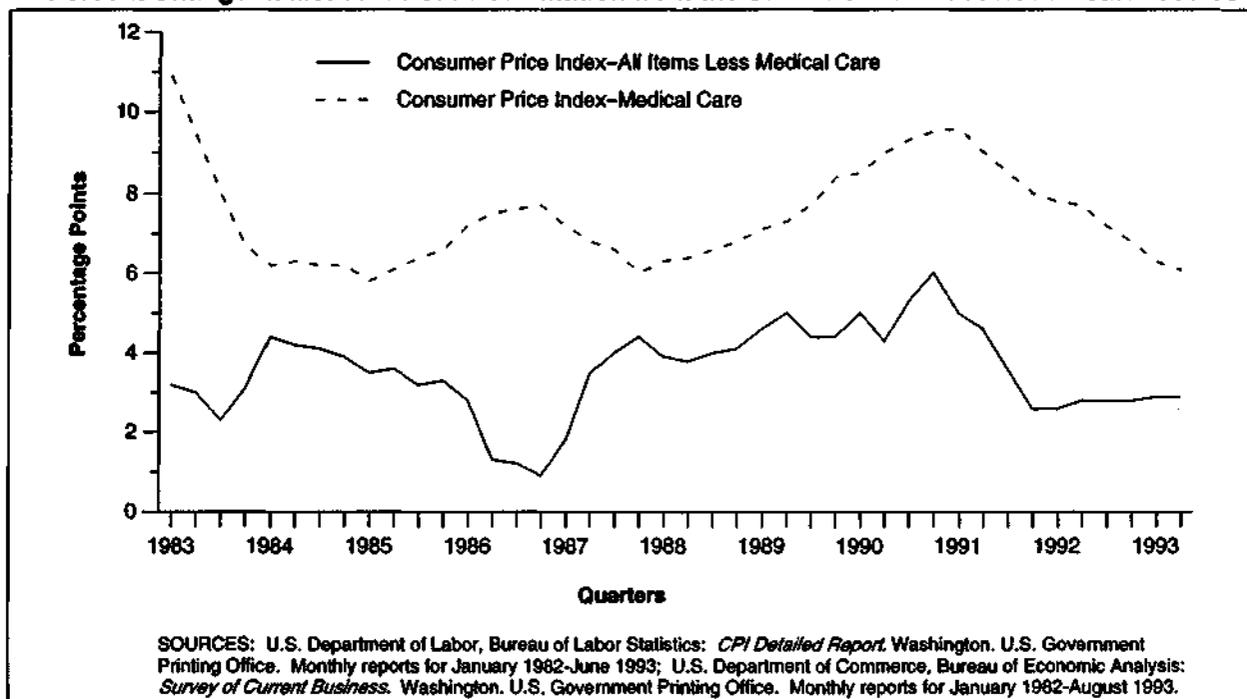


Figure 6

Percent Change in Measures of Price Inflation from the Same Period of Previous Year: 1984-93

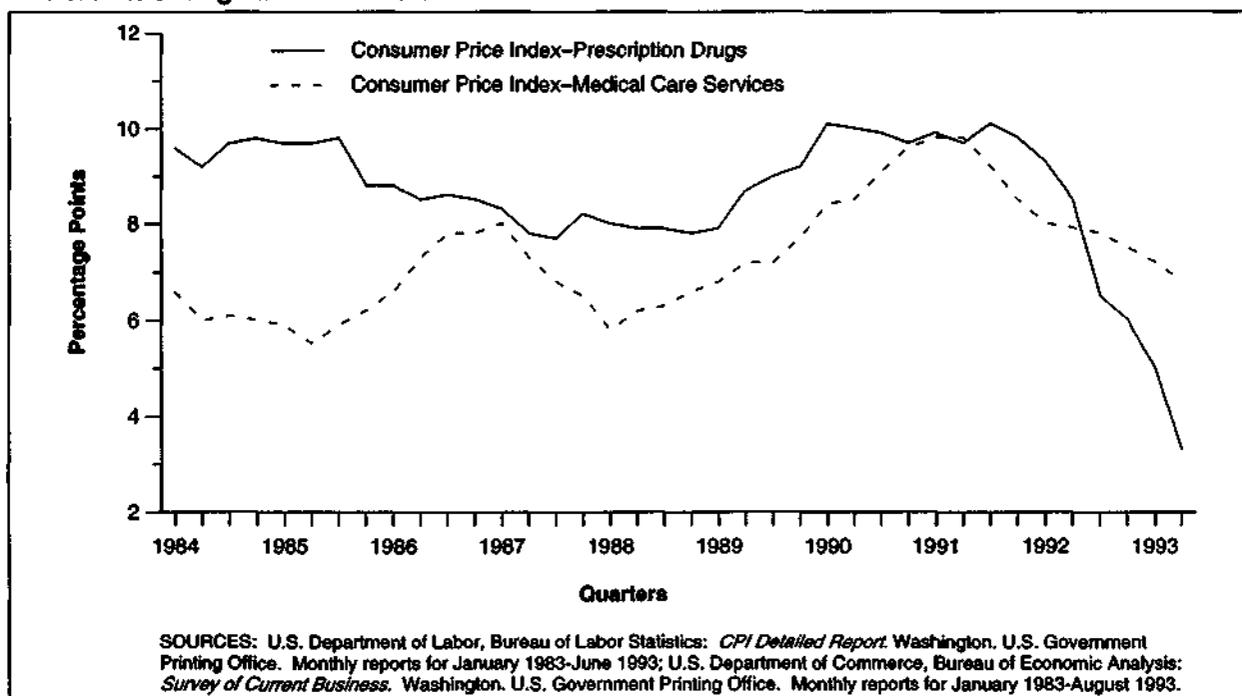


Table 8
Percent Change in Four-Quarter Moving Averages in the Prospective Payment System
Hospital Input Price Index, by Expense Category: 1992-95

| Expense Category ¹ | Base Year Weights 1987 ² | Four Quarters Ending | | | | | | | |
|----------------------------------|---|----------------------|------------|------------|------------|------------|------------|------------|------------|
| | | 1992 Q1 | 1992 Q2 | 1992 Q3 | 1992 Q4 | 1993 Q1 | 1993 Q2 | 1993 Q3 | 1993 Q4 |
| Total | 100.000 | 3.4 | 3.1 | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 | 3.1 |
| Compensation | 61.713 | 4.5 | 4.3 | 4.1 | 3.9 | 3.7 | 3.6 | 3.6 | 3.7 |
| Wages and Salaries | 52.216 | 4.2 | 3.9 | 3.7 | 3.4 | 3.3 | 3.1 | 3.2 | 3.2 |
| Employee Benefits | 9.497 | 6.4 | 6.2 | 6.0 | 6.1 | 6.0 | 6.0 | 6.1 | 6.0 |
| Other Professional Fees | 1.649 | 4.3 | 4.2 | 4.0 | 3.9 | 3.8 | 3.6 | 3.5 | 3.5 |
| Energy and Utilities | 2.368 | -5.5 | -6.2 | -5.0 | -0.9 | 2.3 | 2.6 | 1.2 | 1.4 |
| Fuel Oil, Coal, and Other Fuel | 0.624 | -18.3 | -17.7 | -14.4 | -5.5 | 3.2 | 1.9 | -1.9 | -0.4 |
| Electricity | 1.135 | 5.3 | 3.4 | 1.8 | 1.2 | 1.1 | 1.1 | 1.1 | 1.5 |
| Natural Gas | 0.343 | -3.0 | -4.2 | -1.9 | 2.0 | 5.0 | 10.4 | 11.2 | 8.0 |
| Motor Gasoline | 0.230 | -15.5 | -15.1 | -11.2 | -2.6 | 2.0 | 1.1 | -2.3 | -3.6 |
| Water and Sewerage Maintenance | 0.036 | 7.6 | 7.6 | 7.1 | 6.8 | 6.5 | 6.2 | 5.8 | 5.4 |
| Professional Liability Insurance | 1.433 | 2.4 | 3.9 | 4.8 | 3.3 | 3.4 | 3.7 | 4.2 | 5.0 |
| All Other | 32.838 | 1.8 | 1.5 | 1.5 | 1.7 | 1.8 | 2.0 | 1.9 | 2.0 |
| Other Products | 21.788 | 1.2 | 1.0 | 1.1 | 1.4 | 1.8 | 2.0 | 1.9 | 2.0 |
| Pharmaceuticals | 3.873 | 8.3 | 7.9 | 7.2 | 6.5 | 5.9 | 5.4 | 5.0 | 4.8 |
| Food | 3.299 | 0.8 | 0.7 | 0.9 | 0.8 | 1.0 | 1.1 | 1.3 | 1.7 |
| Direct Purchase | 2.111 | -0.6 | -0.5 | 0.0 | 0.2 | 0.5 | 0.8 | 1.1 | 1.6 |
| Contract Service | 1.188 | 3.1 | 2.8 | 2.4 | 2.0 | 1.7 | 1.7 | 1.8 | 2.0 |
| Chemicals and Cleaning Products | 3.126 | -4.0 | -5.2 | -4.4 | -2.3 | 0.1 | 1.7 | 1.6 | 1.5 |
| Surgical and Medical Instruments | 2.672 | 1.6 | 1.8 | 1.9 | 2.2 | 2.3 | 2.3 | 2.5 | 2.6 |
| Photographic Supplies | 2.623 | -1.4 | -1.2 | -0.7 | -0.2 | -0.4 | -0.5 | -0.7 | -0.8 |
| Rubber and Plastics | 2.323 | 0.4 | -0.1 | -0.3 | 0.0 | 0.6 | 0.8 | 0.9 | 0.8 |
| Paper Products | 1.399 | -2.7 | -2.7 | -2.1 | -1.4 | -0.6 | -0.4 | -0.3 | 0.3 |
| Apparel | 1.142 | 1.9 | 1.7 | 1.6 | 1.7 | 1.8 | 1.7 | 1.6 | 1.1 |
| Minor Machinery and Equipment | 0.497 | 1.4 | 0.9 | 0.5 | 0.3 | 0.2 | 0.3 | 0.5 | 0.7 |
| Miscellaneous Products | 0.833 | 1.4 | 0.8 | 0.8 | 1.2 | 1.6 | 1.8 | 1.8 | 1.9 |
| Other Services | 11.050 | 3.0 | 2.6 | 2.4 | 2.2 | 1.9 | 1.9 | 1.9 | 2.2 |
| Business Services | 3.845 | 2.9 | 2.5 | 2.4 | 2.1 | 1.5 | 1.5 | 1.4 | 1.9 |
| Computer and Data Processing | 1.992 | 2.2 | 1.5 | 1.3 | 1.4 | 1.8 | 2.6 | 3.2 | 3.7 |
| Transportation and Shipping | 1.233 | 1.4 | 1.0 | 1.0 | 2.2 | 3.0 | 3.2 | 3.1 | 3.0 |
| Telephone | 0.987 | 1.7 | 1.7 | 1.2 | 0.6 | 0.2 | 0.0 | 0.1 | 0.3 |
| Blood Services | 0.588 | 2.1 | 4.5 | 6.5 | 5.8 | 4.5 | 1.5 | -0.5 | -0.5 |
| Postage | 0.372 | 13.1 | 8.8 | 4.9 | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other—Labor Intensive | 1.233 | 4.1 | 3.9 | 3.4 | 2.9 | 2.4 | 2.2 | 2.2 | 2.5 |
| Other—Non-Labor Intensive | 0.800 | 3.6 | 3.2 | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 | 3.1 |

See footnotes at end of table.

Table 8—Continued

Percent Change in Four-Quarter Moving Averages in the Prospective Payment System Hospital Input Price Index, by Expense Category: 1992-95

| Expense Category ¹ | Base Year Weights 1987 ² | Four Quarters Ending | | | | | | | |
|----------------------------------|---|----------------------|------------|------------|------------|------------|------------|------------|------------|
| | | 1994 Q1 | 1994 Q2 | 1994 Q3 | 1994 Q4 | 1995 Q1 | 1995 Q2 | 1995 Q3 | 1995 Q4 |
| Total | 100.000 | 3.3 | 3.4 | 3.6 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 |
| Compensation | 61.713 | 3.7 | 3.8 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 |
| Wages and Salaries | 52.216 | 3.3 | 3.3 | 3.4 | 3.4 | 3.6 | 3.8 | 4.0 | 4.1 |
| Employee Benefits | 9.497 | 6.1 | 6.0 | 6.0 | 5.8 | 5.6 | 5.5 | 5.5 | 5.6 |
| Other Professional Fees | 1.649 | 3.4 | 3.4 | 3.5 | 3.6 | 3.8 | 4.0 | 4.1 | 4.2 |
| Energy and Utilities | 2.368 | 1.7 | 2.0 | 3.6 | 4.0 | 3.3 | 3.3 | 3.1 | 3.0 |
| Fuel Oil, Coal, and Other Fuel | 0.624 | -0.6 | -0.1 | 5.1 | 6.5 | 5.8 | 6.3 | 4.9 | 4.4 |
| Electricity | 1.135 | 2.5 | 3.1 | 3.2 | 2.6 | 2.0 | 1.7 | 2.1 | 2.4 |
| Natural Gas | 0.343 | 8.8 | 5.8 | 2.5 | 2.0 | 0.0 | -0.3 | 0.9 | 1.8 |
| Motor Gasoline | 0.230 | -5.0 | -3.1 | 2.3 | 6.1 | 7.3 | 7.2 | 5.5 | 3.2 |
| Water and Sewerage Maintenance | 0.036 | 5.3 | 5.4 | 5.7 | 6.0 | 5.9 | 5.9 | 5.8 | 5.8 |
| Professional Liability Insurance | 1.433 | 5.7 | 6.3 | 6.9 | 7.5 | 8.2 | 9.0 | 9.6 | 10.0 |
| All Other | 32.838 | 2.3 | 2.6 | 3.1 | 3.5 | 3.7 | 3.7 | 3.7 | 3.7 |
| Other Products | 21.788 | 2.1 | 2.3 | 2.6 | 2.9 | 3.0 | 3.2 | 3.3 | 3.5 |
| Pharmaceuticals | 3.873 | 4.9 | 5.0 | 5.1 | 4.9 | 4.6 | 4.4 | 4.5 | 5.0 |
| Food | 3.299 | 2.2 | 2.6 | 2.8 | 2.9 | 2.8 | 2.8 | 2.7 | 2.7 |
| Direct Purchase | 2.111 | 2.1 | 2.5 | 2.7 | 2.7 | 2.5 | 2.3 | 2.1 | 2.0 |
| Contract Service | 1.188 | 2.3 | 2.6 | 2.9 | 3.2 | 3.4 | 3.5 | 3.6 | 3.7 |
| Chemicals and Cleaning Products | 3.126 | 1.4 | 1.0 | 2.0 | 2.9 | 3.5 | 4.1 | 4.1 | 4.0 |
| Surgical and Medical Instruments | 2.672 | 2.5 | 2.3 | 2.2 | 2.1 | 2.3 | 2.7 | 2.8 | 2.9 |
| Photographic Supplies | 2.623 | -0.2 | 0.2 | 0.9 | 1.7 | 2.0 | 2.4 | 2.7 | 3.1 |
| Rubber and Plastics | 2.323 | 0.5 | 0.4 | 0.2 | 0.3 | 0.5 | 0.8 | 1.1 | 1.2 |
| Paper Products | 1.399 | 1.4 | 2.7 | 4.2 | 5.0 | 5.3 | 5.3 | 5.1 | 5.3 |
| Apparel | 1.142 | 0.7 | 0.5 | 0.5 | 1.1 | 1.9 | 2.5 | 2.7 | 2.3 |
| Minor Machinery and Equipment | 0.497 | 1.0 | 1.4 | 1.7 | 1.9 | 2.1 | 2.2 | 2.3 | 2.3 |
| Miscellaneous Products | 0.833 | 2.0 | 2.0 | 2.2 | 2.4 | 2.4 | 2.5 | 2.5 | 2.5 |
| Other Services | 11.050 | 2.7 | 3.4 | 4.1 | 4.6 | 5.0 | 4.8 | 4.5 | 4.3 |
| Business Services | 3.845 | 2.5 | 3.1 | 3.8 | 4.1 | 4.5 | 4.6 | 4.6 | 4.5 |
| Computer and Data Processing | 1.992 | 4.2 | 4.2 | 4.1 | 4.1 | 4.0 | 4.3 | 4.7 | 5.1 |
| Transportation and Shipping | 1.233 | 2.9 | 3.4 | 4.1 | 4.7 | 4.8 | 4.7 | 4.5 | 4.3 |
| Telephone | 0.987 | 0.5 | 0.8 | 1.1 | 1.5 | 1.9 | 2.1 | 2.2 | 2.3 |
| Blood Services | 0.588 | 0.4 | 1.6 | 2.3 | 2.7 | 2.7 | 3.3 | 3.9 | 4.2 |
| Postage | 0.372 | 2.1 | 10.9 | 19.8 | 28.6 | 32.6 | 22.0 | 13.0 | 5.3 |
| Other—Labor Intensive | 1.233 | 2.8 | 3.1 | 3.3 | 3.4 | 3.6 | 3.7 | 3.9 | 4.0 |
| Other—Non-Labor Intensive | 0.800 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |

¹For data sources used to estimate the input price index relative weights and choice of price proxies, see the *Federal Register* (1990).

²Category weights may not sum to totals because of rounding.

NOTES: Data through 1993, Quarter 2 are historical. Data beginning with 1993, Quarter 3 are forecasted. Q designates quarter of year. Percent change data shown are four-quarter moving averages. The following is an example of how a percent change is calculated: Use the quarterly index levels shown in Table 9, 11, and 13. Choose the four-quarter period ending for which you would like to calculate the percent change (e.g., year-end 1993, Quarter 3). Count back three quarters so that you have a total of four (e.g., 1993, Quarter 3; 1993, Quarter 2; 1993, Quarter 1; 1992, Quarter 4). Average these four quarters (add the index levels and divide by 4). Now, take the four quarters previous to the four quarters that you just used (e.g., 1992, Quarter 3; 1992, Quarter 2; 1992, Quarter 1; 1991, Quarter 4). Average these four quarters. Finally, compute a percent change using the two averages.

SOURCES: Health Care Financing Administration, Office of the Actuary; Data from the Office of National Health Statistics, Division of Health Cost Analysis. Third quarter 1993 forecasts were produced by Data Resources, Inc./McGraw-Hill.

Table 9

**Quarterly Index Levels of the Prospective Payment System Hospital Input Price Index, by
Expense Category: 1992-95**

| Expense Category ¹ | Base Year | 1992 | 1992 | 1992 | 1992 | 1993 | 1993 | 1993 | 1993 |
|----------------------------------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Weights 1987 ² | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| Total | 100.000 | 123.9 | 124.8 | 126.0 | 126.7 | 127.7 | 128.7 | 129.9 | 130.9 |
| Compensation | 61.713 | 126.1 | 127.0 | 128.4 | 129.3 | 130.7 | 131.6 | 133.2 | 134.2 |
| Wages and Salaries | 52.216 | 124.2 | 125.0 | 126.2 | 127.0 | 128.1 | 128.9 | 130.4 | 131.2 |
| Employee Benefits | 9.497 | 136.5 | 137.9 | 140.4 | 142.1 | 144.5 | 146.4 | 148.9 | 150.7 |
| Other Professional Fees | 1.649 | 123.9 | 124.9 | 126.4 | 127.1 | 128.3 | 129.2 | 130.8 | 131.5 |
| Energy and Utilities | 2.368 | 108.9 | 114.6 | 120.0 | 117.0 | 113.2 | 117.0 | 117.4 | 119.1 |
| Fuel Oil, Coal, and Other Fuel | 0.624 | 108.3 | 120.5 | 125.0 | 123.9 | 117.9 | 120.8 | 111.6 | 125.5 |
| Electricity | 1.135 | 111.6 | 114.9 | 120.4 | 113.5 | 112.5 | 115.8 | 121.2 | 117.8 |
| Natural Gas | 0.343 | 96.8 | 92.3 | 101.5 | 109.6 | 102.0 | 107.2 | 112.5 | 110.6 |
| Motor Gasoline | 0.230 | 110.9 | 126.8 | 129.5 | 122.6 | 115.7 | 123.3 | 116.7 | 116.6 |
| Water and Sewerage Maintenance | 0.036 | 134.7 | 137.0 | 140.3 | 141.9 | 143.2 | 144.7 | 147.1 | 148.8 |
| Professional Liability Insurance | 1.433 | 133.5 | 134.1 | 135.3 | 137.0 | 138.7 | 140.4 | 142.6 | 145.2 |
| All Other | 32.838 | 120.3 | 121.0 | 121.6 | 122.0 | 122.5 | 123.5 | 123.9 | 124.8 |
| Other Products | 21.788 | 120.1 | 121.0 | 121.7 | 122.1 | 122.5 | 123.5 | 123.9 | 124.6 |
| Pharmaceuticals | 3.873 | 148.1 | 150.6 | 152.1 | 153.5 | 155.8 | 157.5 | 159.0 | 161.2 |
| Food | 3.299 | 115.8 | 116.5 | 116.5 | 116.5 | 117.3 | 118.1 | 118.9 | 119.3 |
| Direct Purchase | 2.111 | 113.1 | 114.0 | 113.7 | 113.5 | 114.2 | 115.3 | 115.9 | 116.2 |
| Contract Service | 1.188 | 120.7 | 121.1 | 121.6 | 122.0 | 122.6 | 123.3 | 124.1 | 124.9 |
| Chemicals and Cleaning Products | 3.126 | 115.0 | 115.8 | 118.1 | 118.1 | 117.7 | 119.1 | 118.5 | 118.8 |
| Surgical and Medical Instruments | 2.672 | 112.5 | 113.2 | 113.3 | 113.7 | 115.1 | 116.0 | 116.2 | 116.9 |
| Photographic Supplies | 2.623 | 114.2 | 113.9 | 114.2 | 114.2 | 112.6 | 113.3 | 113.3 | 113.5 |
| Rubber and Plastics | 2.323 | 112.2 | 112.5 | 113.0 | 113.4 | 113.4 | 113.5 | 114.1 | 113.8 |
| Paper Products | 1.399 | 115.1 | 115.7 | 115.4 | 115.1 | 114.6 | 115.2 | 115.5 | 117.3 |
| Apparel | 1.142 | 111.2 | 112.0 | 112.4 | 113.1 | 113.1 | 113.6 | 113.8 | 113.3 |
| Minor Machinery and Equipment | 0.497 | 112.3 | 112.1 | 112.0 | 112.2 | 112.7 | 112.7 | 113.0 | 113.5 |
| Miscellaneous Products | 0.833 | 116.5 | 117.6 | 118.0 | 118.5 | 118.9 | 119.9 | 119.9 | 120.8 |
| Other Services | 11.050 | 120.6 | 120.9 | 121.4 | 121.8 | 122.6 | 123.4 | 124.1 | 125.2 |
| Business Services | 3.845 | 120.9 | 120.0 | 120.4 | 120.2 | 121.9 | 122.1 | 122.6 | 123.8 |
| Computer and Data Processing | 1.992 | 129.5 | 130.2 | 131.3 | 132.4 | 133.0 | 135.4 | 136.6 | 137.8 |
| Transportation and Shipping | 1.233 | 119.8 | 121.5 | 122.3 | 124.0 | 124.4 | 125.2 | 125.2 | 127.6 |
| Telephone | 0.987 | 103.4 | 103.1 | 102.8 | 102.7 | 103.4 | 103.2 | 103.5 | 103.3 |
| Blood Services | 0.588 | 111.3 | 115.4 | 112.9 | 112.3 | 111.1 | 112.5 | 111.9 | 114.2 |
| Postage | 0.372 | 131.9 | 131.9 | 131.9 | 131.9 | 131.9 | 131.9 | 131.9 | 131.9 |
| Other—Labor Intensive | 1.233 | 119.1 | 119.6 | 120.5 | 121.0 | 121.6 | 122.3 | 123.6 | 124.7 |
| Other—Non-Labor Intensive | 0.800 | 123.4 | 124.4 | 125.4 | 126.3 | 127.3 | 128.3 | 129.1 | 130.2 |

See footnotes at end of table.

Table 9—Continued

Quarterly Index Levels of the Prospective Payment System Hospital Input Price Index, by Expense Category: 1992-95

| Expense Category ¹ | Base Year | 1994 | 1994 | 1994 | 1994 | 1995 | 1995 | 1995 | 1995 |
|----------------------------------|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Weights 1987 ² | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| Total | 100.000 | 132.2 | 133.4 | 135.0 | 136.1 | 137.7 | 138.9 | 140.7 | 142.0 |
| Compensation | 61.713 | 135.6 | 136.5 | 138.4 | 139.6 | 141.3 | 142.4 | 144.5 | 145.8 |
| Wages and Salaries | 52.216 | 132.3 | 133.2 | 134.9 | 136.1 | 137.6 | 138.5 | 140.5 | 141.7 |
| Employee Benefits | 9.497 | 153.6 | 154.9 | 157.4 | 158.9 | 161.9 | 163.4 | 166.2 | 168.1 |
| Other Professional Fees | 1.649 | 132.6 | 133.6 | 135.7 | 136.7 | 138.2 | 139.2 | 141.4 | 142.3 |
| Energy and Utilities | 2.368 | 119.1 | 121.0 | 121.9 | 123.3 | 122.2 | 124.8 | 125.9 | 127.1 |
| Fuel Oil, Coal, and Other Fuel | 0.624 | 126.2 | 123.9 | 123.0 | 133.7 | 131.7 | 129.3 | 128.3 | 139.7 |
| Electricity | 1.135 | 117.9 | 119.7 | 122.3 | 119.7 | 120.2 | 122.6 | 125.5 | 122.8 |
| Natural Gas | 0.343 | 111.0 | 110.8 | 109.6 | 109.6 | 111.4 | 113.0 | 112.1 | 112.4 |
| Motor Gasoline | 0.230 | 113.3 | 129.2 | 130.2 | 128.2 | 116.7 | 135.1 | 136.0 | 129.3 |
| Water and Sewerage Maintenance | 0.036 | 151.4 | 153.4 | 156.2 | 157.7 | 159.9 | 162.3 | 165.6 | 167.1 |
| Professional Liability Insurance | 1.433 | 147.8 | 150.4 | 153.7 | 157.5 | 161.9 | 165.7 | 169.5 | 173.3 |
| All Other | 32.838 | 126.1 | 127.6 | 128.6 | 129.5 | 131.0 | 132.2 | 133.3 | 134.5 |
| Other Products | 21.788 | 125.7 | 126.7 | 127.7 | 128.4 | 129.8 | 131.0 | 132.1 | 133.2 |
| Pharmaceuticals | 3.873 | 164.1 | 165.8 | 166.5 | 167.9 | 171.0 | 173.5 | 175.0 | 178.0 |
| Food | 3.299 | 120.6 | 121.6 | 122.4 | 122.6 | 123.9 | 124.8 | 125.6 | 125.9 |
| Direct Purchase | 2.111 | 117.6 | 118.4 | 119.1 | 118.9 | 120.0 | 120.9 | 121.5 | 121.3 |
| Contract Service | 1.188 | 126.1 | 127.2 | 128.2 | 129.3 | 130.7 | 131.9 | 133.0 | 134.1 |
| Chemicals and Cleaning Products | 3.126 | 119.7 | 120.9 | 123.3 | 123.8 | 124.9 | 125.7 | 128.1 | 126.6 |
| Surgical and Medical Instruments | 2.672 | 117.6 | 117.9 | 118.7 | 119.7 | 121.1 | 121.7 | 121.9 | 123.1 |
| Photographic Supplies | 2.623 | 114.0 | 114.7 | 115.6 | 116.0 | 116.9 | 117.9 | 119.3 | 120.3 |
| Rubber and Plastics | 2.323 | 113.5 | 113.8 | 114.4 | 114.5 | 114.7 | 115.2 | 115.9 | 116.0 |
| Paper Products | 1.399 | 119.0 | 121.0 | 122.3 | 123.3 | 125.3 | 126.9 | 128.6 | 130.4 |
| Apparel | 1.142 | 113.2 | 114.1 | 115.4 | 116.2 | 116.6 | 117.5 | 117.8 | 117.7 |
| Minor Machinery and Equipment | 0.497 | 114.3 | 114.8 | 115.4 | 116.1 | 116.9 | 117.4 | 118.1 | 118.7 |
| Miscellaneous Products | 0.833 | 121.7 | 122.3 | 122.9 | 123.8 | 124.7 | 125.5 | 126.0 | 127.0 |
| Other Services | 11.050 | 127.0 | 129.4 | 130.3 | 131.6 | 133.3 | 134.6 | 135.7 | 137.1 |
| Business Services | 3.845 | 125.9 | 127.1 | 128.2 | 129.5 | 131.8 | 132.8 | 133.8 | 135.2 |
| Computer and Data Processing | 1.992 | 139.4 | 140.6 | 141.9 | 143.3 | 145.4 | 147.4 | 149.7 | 151.5 |
| Transportation and Shipping | 1.233 | 128.6 | 131.3 | 132.0 | 133.9 | 134.0 | 137.1 | 137.8 | 139.4 |
| Telephone | 0.987 | 104.0 | 104.8 | 105.3 | 105.3 | 106.4 | 107.2 | 107.7 | 107.9 |
| Blood Services | 0.588 | 115.2 | 114.8 | 114.1 | 117.5 | 119.6 | 119.8 | 119.3 | 122.1 |
| Postage | 0.372 | 142.8 | 178.5 | 178.5 | 178.5 | 178.5 | 178.5 | 178.5 | 178.5 |
| Other—Labor Intensive | 1.233 | 125.7 | 126.4 | 127.8 | 129.1 | 130.8 | 131.3 | 132.9 | 134.4 |
| Other—Non-Labor Intensive | 0.800 | 131.1 | 132.3 | 133.4 | 134.2 | 135.1 | 136.4 | 137.5 | 138.3 |

¹For data sources used to estimate the input price index relative weights and choice of price proxies, see the *Federal Register* (1990)

²Category weights may not sum to totals because of rounding.

NOTES: Data through 1993, Quarter 2 are historical. Data beginning with 1993, Quarter 3 are forecasted. Q designates quarter of year.

SOURCES: Health Care Financing Administration, Office of the Actuary; Data from the Office of National Health Statistics, Division of Health Cost Analysis. Third quarter 1993 forecasts were produced by Data Resources, Inc./McGraw-Hill.

Table 10

**Percent Change in Four-Quarter Averages in the Skilled Nursing Facility Input Price Index,
by Expense Category: 1992-95**

| Expense Category ¹ | Base Year Weights 1977 ² | Four Quarters Ending | | | | | | | |
|--------------------------------|---|----------------------|------------|------------|------------|------------|------------|------------|------------|
| | | 1992 Q1 | 1992 Q2 | 1992 Q3 | 1992 Q4 | 1993 Q1 | 1993 Q2 | 1993 Q3 | 1993 Q4 |
| Total | 100.000 | 3.9 | 3.7 | 3.6 | 3.6 | 3.7 | 3.6 | 3.5 | 3.5 |
| Compensation | 70.620 | 4.3 | 4.2 | 4.0 | 4.0 | 3.9 | 3.8 | 3.7 | 3.7 |
| Wages and Salaries | 63.020 | 4.1 | 3.9 | 3.9 | 3.9 | 3.9 | 3.8 | 3.7 | 3.7 |
| Employee Benefits | 7.600 | 6.5 | 6.0 | 5.4 | 4.9 | 4.4 | 4.0 | 3.9 | 3.7 |
| Fuel and Other Energy | 4.270 | -1.3 | -1.9 | -1.4 | 0.5 | 2.4 | 3.0 | 2.6 | 2.6 |
| Fuel Oil and Coal | 1.660 | -8.3 | -9.7 | -8.5 | -3.9 | 0.3 | 1.3 | 0.1 | 0.4 |
| Electricity | 1.210 | 3.3 | 3.2 | 2.8 | 2.2 | 2.2 | 2.0 | 1.9 | 1.6 |
| Natural Gas | 0.910 | 0.4 | 0.4 | 0.9 | 1.7 | 3.4 | 4.9 | 5.6 | 5.5 |
| Water and Sewerage Maintenance | 0.490 | 7.6 | 7.6 | 7.1 | 6.8 | 6.5 | 6.2 | 5.8 | 5.4 |
| Food | 9.740 | 1.4 | 1.3 | 1.3 | 1.2 | 1.2 | 1.4 | 1.6 | 2.0 |
| Direct Purchase | 4.930 | -0.6 | -0.5 | 0.0 | 0.1 | 0.5 | 0.8 | 1.1 | 1.7 |
| Contract Service | 4.810 | 3.1 | 2.8 | 2.4 | 2.1 | 1.8 | 1.8 | 2.0 | 2.3 |
| All Other | 15.370 | 4.7 | 4.4 | 4.1 | 4.0 | 4.0 | 3.9 | 3.9 | 3.9 |
| Drugs | 1.500 | 8.3 | 7.9 | 7.2 | 6.5 | 5.9 | 5.4 | 5.0 | 4.8 |
| Supplies | 3.280 | 3.6 | 3.2 | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 | 3.2 |
| Health Services | 1.210 | 5.7 | 5.9 | 6.1 | 6.3 | 6.3 | 6.1 | 6.0 | 5.9 |
| Other Business Services | 4.590 | 4.6 | 4.3 | 4.0 | 3.8 | 3.8 | 3.8 | 3.9 | 3.9 |
| Miscellaneous | 4.790 | 3.6 | 3.2 | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 | 3.2 |

| Expense Category ¹ | Base Year Weights 1977 ² | Four Quarters Ending | | | | | | | |
|--------------------------------|---|----------------------|------------|------------|------------|------------|------------|------------|------------|
| | | 1994 Q1 | 1994 Q2 | 1994 Q3 | 1994 Q4 | 1995 Q1 | 1995 Q2 | 1995 Q3 | 1995 Q4 |
| Total | 100.000 | 3.6 | 3.7 | 3.9 | 4.0 | 4.0 | 4.2 | 4.4 | 4.6 |
| Compensation | 70.620 | 3.8 | 3.9 | 4.1 | 4.3 | 4.3 | 4.5 | 4.8 | 5.1 |
| Wages and Salaries | 63.020 | 3.8 | 3.9 | 4.1 | 4.2 | 4.3 | 4.6 | 4.9 | 5.2 |
| Employee Benefits | 7.600 | 3.8 | 4.2 | 4.2 | 4.4 | 4.4 | 4.2 | 4.2 | 4.1 |
| Fuel and Other Energy | 4.270 | 2.5 | 2.1 | 2.7 | 3.3 | 3.2 | 3.4 | 3.4 | 3.4 |
| Fuel Oil and Coal | 1.660 | 0.2 | 0.3 | 3.1 | 5.0 | 5.8 | 6.3 | 5.6 | 5.1 |
| Electricity | 1.210 | 1.4 | 0.9 | 0.5 | 0.5 | 0.4 | 0.7 | 1.0 | 1.3 |
| Natural Gas | 0.910 | 5.6 | 4.2 | 2.9 | 2.1 | 0.8 | 0.7 | 1.0 | 1.6 |
| Water and Sewerage Maintenance | 0.490 | 5.3 | 5.4 | 5.7 | 6.0 | 5.9 | 5.9 | 5.8 | 5.8 |
| Food | 9.740 | 2.4 | 2.7 | 2.8 | 2.9 | 2.8 | 2.7 | 2.6 | 2.6 |
| Direct Purchase | 4.930 | 2.2 | 2.6 | 2.8 | 2.7 | 2.5 | 2.3 | 2.1 | 2.1 |
| Contract Service | 4.810 | 2.6 | 2.7 | 2.9 | 3.0 | 3.0 | 3.1 | 3.0 | 2.9 |
| All Other | 15.370 | 3.9 | 3.9 | 3.9 | 3.8 | 3.7 | 3.7 | 3.7 | 3.8 |
| Drugs | 1.500 | 4.9 | 5.0 | 5.1 | 4.9 | 4.6 | 4.4 | 4.5 | 5.0 |
| Supplies | 3.280 | 3.1 | 3.1 | 3.2 | 3.2 | 3.1 | 3.1 | 3.1 | 3.1 |
| Health Services | 1.210 | 6.1 | 6.3 | 6.4 | 6.3 | 6.2 | 6.1 | 6.1 | 6.2 |
| Other Business Services | 4.590 | 3.9 | 3.7 | 3.6 | 3.5 | 3.4 | 3.4 | 3.4 | 3.5 |
| Miscellaneous | 4.790 | 3.1 | 3.1 | 3.2 | 3.2 | 3.1 | 3.1 | 3.1 | 3.1 |

¹For data sources used to estimate the input price index relative weights and choice of price proxies, see the *Federal Register* (1992).

²Category weights may not sum to totals because of rounding.

NOTES: Data through 1993, Quarter 2 are historical. Data beginning with 1993, Quarter 3 are forecasted. Q designates quarter of year. Percent change data shown are four-quarter moving averages. The following is an example of how a percent change is calculated: Use the quarterly index levels shown in Tables 9, 11, and 13. Choose the four-quarter period ending for which you would like to calculate the percent change (e.g., year-end 1993, Quarter 3). Count back three quarters so that you have a total of four (e.g., 1993, Quarter 3; 1993, Quarter 2; 1993, Quarter 1; 1992, Quarter 4). Average these four quarters (add the index levels and divide by 4). Now, take the four quarters previous to the four quarters that you just used (e.g., 1992, Quarter 3; 1992, Quarter 2; 1992, Quarter 1; 1991, Quarter 4). Average these four quarters. Finally, compute a percent change using the two averages.

SOURCES: Health Care Financing Administration, Office of the Actuary; Data from the Office of National Health Statistics, Division of Health Cost Analysis. Third quarter 1993 forecasts were produced by Data Resources, Inc./McGraw-Hill.

Table 11
Quarterly Index Levels in the Skilled Nursing Facility Input Price Index, by Expense Category: 1992-95

| Expense Category ¹ | Base Year | 1992 | 1992 | 1992 | 1992 | 1993 | 1993 | 1993 | 1993 |
|--------------------------------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Weights 1977 ² | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| Total | 100.000 | 235.7 | 237.5 | 239.6 | 241.7 | 244.2 | 245.6 | 248.2 | 250.3 |
| Compensation | 70.620 | 238.6 | 240.4 | 242.9 | 244.8 | 247.6 | 249.0 | 251.8 | 253.8 |
| Wages and Salaries | 63.020 | 237.3 | 239.1 | 241.7 | 243.4 | 246.3 | 247.7 | 250.4 | 252.4 |
| Employee Benefits | 7.600 | 249.2 | 251.2 | 253.0 | 256.1 | 258.4 | 259.7 | 263.1 | 265.3 |
| Fuel and Other Energy | 4.270 | 220.4 | 222.8 | 227.8 | 229.1 | 228.6 | 231.8 | 230.6 | 232.5 |
| Fuel Oil and Coal | 1.660 | 201.9 | 204.5 | 211.8 | 209.7 | 208.8 | 210.0 | 204.4 | 207.9 |
| Electricity | 1.210 | 216.8 | 218.5 | 219.5 | 221.2 | 220.5 | 223.4 | 223.0 | 222.9 |
| Natural Gas | 0.910 | 228.1 | 228.0 | 233.1 | 239.0 | 237.7 | 244.7 | 247.0 | 248.0 |
| Water and Sewerage Maintenance | 0.490 | 281.3 | 285.9 | 292.8 | 296.3 | 298.9 | 302.0 | 307.2 | 310.5 |
| Food | 9.740 | 166.8 | 167.4 | 167.4 | 168.3 | 169.4 | 190.7 | 191.7 | 193.3 |
| Direct Purchase | 4.930 | 164.6 | 165.4 | 164.7 | 165.3 | 166.1 | 167.3 | 168.1 | 169.6 |
| Contract Service | 4.810 | 209.7 | 210.0 | 210.6 | 211.8 | 213.3 | 214.7 | 215.9 | 217.5 |
| All Other | 15.370 | 257.5 | 260.1 | 262.2 | 264.6 | 267.6 | 270.1 | 272.2 | 275.1 |
| Drugs | 1.500 | 345.4 | 351.2 | 354.9 | 358.2 | 363.5 | 367.5 | 370.8 | 376.0 |
| Supplies | 3.280 | 229.1 | 230.8 | 232.4 | 234.2 | 236.4 | 238.1 | 239.4 | 241.8 |
| Health Services | 1.210 | 303.0 | 308.1 | 312.1 | 315.5 | 320.9 | 325.7 | 330.6 | 335.2 |
| Other Business Services | 4.590 | 266.9 | 269.2 | 271.3 | 274.2 | 276.9 | 279.8 | 282.0 | 284.8 |
| Miscellaneous | 4.790 | 229.1 | 230.8 | 232.4 | 234.2 | 236.4 | 238.1 | 239.4 | 241.8 |

| Expense Category ¹ | Base Year | 1994 | 1994 | 1994 | 1994 | 1995 | 1995 | 1995 | 1995 |
|--------------------------------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Weights 1977 ² | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| Total | 100.000 | 253.9 | 255.6 | 258.3 | 260.6 | 264.1 | 267.4 | 270.8 | 273.5 |
| Compensation | 70.620 | 257.9 | 259.4 | 262.5 | 265.0 | 269.0 | 272.7 | 276.7 | 279.7 |
| Wages and Salaries | 63.020 | 256.4 | 257.9 | 261.1 | 263.6 | 267.6 | 271.4 | 275.6 | 278.7 |
| Employee Benefits | 7.600 | 269.6 | 271.9 | 274.2 | 276.9 | 280.9 | 283.4 | 285.6 | 288.0 |
| Fuel and Other energy | 4.270 | 236.0 | 237.5 | 239.3 | 241.0 | 243.2 | 245.4 | 247.9 | 249.9 |
| Fuel Oil and Coal | 1.660 | 213.9 | 216.9 | 219.8 | 222.6 | 225.6 | 228.1 | 230.7 | 233.4 |
| Electricity | 1.210 | 223.0 | 223.2 | 223.6 | 224.1 | 225.0 | 226.0 | 226.9 | 227.7 |
| Natural Gas | 0.910 | 250.4 | 249.3 | 248.9 | 249.5 | 250.7 | 252.4 | 254.3 | 256.4 |
| Water and Sewerage Maintenance | 0.490 | 316.0 | 320.2 | 326.1 | 329.1 | 333.8 | 338.7 | 345.7 | 348.7 |
| Food | 9.740 | 194.8 | 196.1 | 197.4 | 198.6 | 199.9 | 201.2 | 202.3 | 203.5 |
| Direct Purchase | 4.930 | 170.9 | 171.9 | 172.8 | 173.5 | 174.5 | 175.5 | 176.2 | 177.0 |
| Contract Service | 4.810 | 219.3 | 220.9 | 222.6 | 224.2 | 225.9 | 227.5 | 229.1 | 230.6 |
| All Other | 15.370 | 278.1 | 280.4 | 282.6 | 285.0 | 288.1 | 290.8 | 293.3 | 296.1 |
| Drugs | 1.500 | 382.8 | 386.9 | 388.4 | 391.7 | 399.0 | 404.8 | 408.2 | 415.1 |
| Supplies | 3.280 | 243.8 | 245.6 | 247.3 | 249.2 | 251.2 | 253.1 | 255.0 | 256.9 |
| Health Services | 1.210 | 341.8 | 346.8 | 351.3 | 355.4 | 362.5 | 368.2 | 373.5 | 378.1 |
| Other Business Services | 4.590 | 287.2 | 289.5 | 291.9 | 294.4 | 297.0 | 299.6 | 302.1 | 304.7 |
| Miscellaneous | 4.790 | 243.8 | 245.6 | 247.3 | 249.2 | 251.2 | 253.1 | 255.0 | 256.9 |

¹For data sources used to estimate the input price index relative weights and choice of price proxies, see the *Federal Register* (1992c).

²Category weights may not sum to totals because of rounding.

NOTES: Data through 1993, Quarter 2 are historical. Data beginning with 1993, Quarter 3 are forecasted. Q designates quarter of year.

SOURCES: Health Care Financing Administration, Office of the Actuary; Data from the Office of National Health Statistics, Division of Health Cost Analysis. Third quarter 1993 forecasts were produced by Data Resources, Inc./McGraw-Hill.

Table 12

Percent Change in Four-Quarter Averages in the Home Health Agency Input Price Index, by Expense Category: 1992-95

| Expense Category ¹ | Base Year Weights 1976 ² | Four Quarters Ending | | | | | | | |
|-------------------------------|---|----------------------|------------|------------|------------|------------|------------|------------|------------|
| | | 1992 Q1 | 1992 Q2 | 1992 Q3 | 1992 Q4 | 1993 Q1 | 1993 Q2 | 1993 Q3 | 1993 Q4 |
| Total | 100.000 | 5.7 | 5.1 | 4.4 | 4.0 | 3.8 | 3.7 | 3.7 | 3.5 |
| Compensation | 73.040 | 6.3 | 5.6 | 4.8 | 4.3 | 3.9 | 3.9 | 3.8 | 3.6 |
| Wages and Salaries | 65.140 | 6.3 | 5.6 | 4.8 | 4.2 | 3.9 | 3.9 | 3.8 | 3.6 |
| Employee Benefits | 7.900 | 6.5 | 6.0 | 5.4 | 4.9 | 4.4 | 4.0 | 3.9 | 3.7 |
| Transportation | 4.870 | 1.4 | 1.0 | 1.0 | 2.2 | 3.0 | 3.2 | 3.1 | 3.0 |
| Office Costs | 2.790 | 4.6 | 4.3 | 4.0 | 3.8 | 3.8 | 3.8 | 3.9 | 3.9 |
| Medical and Nursing Supplies | 2.810 | 5.5 | 5.2 | 4.9 | 4.1 | 3.2 | 3.2 | 3.2 | 3.6 |
| Rent | 1.350 | 3.3 | 2.9 | 2.6 | 2.5 | 2.3 | 2.3 | 2.4 | 2.2 |
| Energy and Utilities | 1.170 | -1.3 | -1.9 | -1.4 | 0.5 | 2.4 | 3.1 | 2.7 | 2.6 |
| Miscellaneous | 7.100 | 3.6 | 3.2 | 3.0 | 3.0 | 3.1 | 3.1 | 3.1 | 3.2 |
| Contract Services | 6.870 | 5.7 | 5.1 | 4.4 | 4.0 | 3.8 | 3.7 | 3.7 | 3.5 |

| Expense Category ¹ | Base Year Weights 1976 ² | Four Quarters Ending | | | | | | | |
|-------------------------------|---|----------------------|------------|------------|------------|------------|------------|------------|------------|
| | | 1994 Q1 | 1994 Q2 | 1994 Q3 | 1994 Q4 | 1995 Q1 | 1995 Q2 | 1995 Q3 | 1995 Q4 |
| Total | 100.000 | 3.3 | 3.5 | 3.8 | 4.2 | 4.7 | 4.8 | 4.9 | 4.9 |
| Compensation | 73.040 | 3.3 | 3.5 | 3.9 | 4.4 | 4.9 | 5.1 | 5.2 | 5.2 |
| Wages and Salaries | 65.140 | 3.3 | 3.5 | 3.9 | 4.4 | 5 | 5.2 | 5.3 | 5.3 |
| Employee Benefits | 7.900 | 3.8 | 4.2 | 4.2 | 4.4 | 4.4 | 4.2 | 4.2 | 4.1 |
| Transportation | 4.870 | 2.9 | 3.4 | 4.1 | 4.7 | 4.8 | 4.7 | 4.5 | 4.3 |
| Office Costs | 2.790 | 3.9 | 3.7 | 3.6 | 3.5 | 3.4 | 3.4 | 3.4 | 3.5 |
| Medical and Nursing Supplies | 2.810 | 3.9 | 3.7 | 3.7 | 3.7 | 3.9 | 4.2 | 4.5 | 4.7 |
| Rent | 1.350 | 2.0 | 1.7 | 1.4 | 1.6 | 1.9 | 2.3 | 2.8 | 2.9 |
| Energy and Utilities | 1.170 | 2.5 | 2.2 | 2.8 | 3.4 | 3.3 | 3.5 | 3.5 | 3.5 |
| Miscellaneous | 7.100 | 3.1 | 3.1 | 3.2 | 3.2 | 3.1 | 3.1 | 3.1 | 3.1 |
| Contract Services | 6.870 | 3.3 | 3.5 | 3.8 | 4.2 | 4.7 | 4.8 | 4.9 | 4.9 |

¹For data sources used to estimate the input price index relative weights and choice of price proxies, see the *Federal Register* (1993b).

²Category weights may not sum to totals because of rounding.

NOTES: Data through 1993, Quarter 2 are historical. Data beginning with 1993, Quarter 3 are forecasted. Q designates quarter of year. Percent change data shown are four-quarter moving averages. The following is an example of how a percent change is calculated: Use the quarterly index levels shown in Tables 9, 11, or 13. Choose the four-quarter period ending for which you would like to calculate the percent change (e.g., year-end 1993, Quarter 3). Count back three quarters so that you have a total of four (e.g., 1993, Quarter 3; 1993, Quarter 2; 1993, Quarter 1; 1992, Quarter 4). Average these four quarters (add the index levels and divide by 4). Now, take the four quarters previous to the four quarters that you just used (e.g., 1992, Quarter 3; 1992, Quarter 2; 1992, Quarter 1; 1991, Quarter 4). Average these four quarters. Finally, compute a percent change using the two averages.

SOURCES: Health Care Financing Administration, Office of the Actuary, Data from the Office of National Health Statistics, Division of Health Cost Analysis. Third quarter 1993 forecasts were produced by Data Resources, Inc./McGraw-Hill.

Table 13
Quarterly Index Levels of the Home Health Agency Input Price Index, by Expense Category: 1992-95

| Expense Category ¹ | Base Year | 1992 | 1992 | 1992 | 1992 | 1993 | 1993 | 1993 | 1993 |
|-------------------------------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Weights 1976 ² | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| Total | 100.000 | 283.2 | 284.8 | 288.8 | 291.8 | 294.4 | 295.0 | 298.4 | 301.1 |
| Compensation | 73.040 | 293.4 | 294.8 | 299.4 | 302.7 | 305.5 | 305.6 | 309.6 | 312.3 |
| Wages and Salaries | 65.140 | 295.4 | 296.7 | 301.6 | 304.9 | 307.7 | 307.7 | 311.7 | 314.4 |
| Employee Benefits | 7.900 | 277.0 | 279.2 | 281.3 | 284.6 | 287.2 | 288.6 | 292.5 | 294.8 |
| Transportation | 4.870 | 225.7 | 229.0 | 230.5 | 233.7 | 234.4 | 235.9 | 235.9 | 240.4 |
| Office Costs | 2.790 | 287.3 | 289.9 | 292.1 | 295.2 | 298.2 | 301.3 | 303.7 | 306.6 |
| Medical and Nursing Supplies | 2.810 | 248.1 | 248.5 | 249.8 | 251.3 | 254.1 | 258.5 | 259.3 | 261.3 |
| Rent | 1.350 | 238.5 | 239.4 | 240.5 | 242.7 | 243.8 | 245.3 | 246.7 | 246.9 |
| Energy and Utilities | 1.170 | 248.2 | 251.0 | 256.8 | 258.3 | 257.7 | 261.3 | 260.0 | 262.2 |
| Miscellaneous | 7.100 | 243.9 | 245.8 | 247.4 | 249.4 | 251.7 | 253.5 | 254.9 | 257.4 |
| Contract Services | 6.870 | 283.2 | 284.8 | 288.8 | 291.8 | 294.4 | 295.0 | 298.4 | 301.1 |

| Expense Category ¹ | Base Year | 1994 | 1994 | 1994 | 1994 | 1995 | 1995 | 1995 | 1995 |
|-------------------------------|------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | Weights 1976 ² | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| Total | 100.000 | 303.8 | 307.6 | 312.2 | 315.6 | 318.8 | 322.4 | 327.5 | 331.0 |
| Compensation | 73.040 | 315.1 | 319.2 | 324.6 | 328.3 | 331.8 | 335.4 | 341.4 | 345.1 |
| Wages and Salaries | 65.140 | 317.0 | 321.3 | 327.0 | 330.8 | 334.2 | 337.9 | 344.3 | 348.1 |
| Employee Benefits | 7.900 | 299.7 | 302.2 | 304.8 | 307.7 | 312.2 | 315.0 | 317.4 | 320.1 |
| Transportation | 4.870 | 242.4 | 247.4 | 248.8 | 252.3 | 252.4 | 258.3 | 259.6 | 262.7 |
| Office Costs | 2.790 | 309.3 | 311.7 | 314.3 | 317.0 | 319.8 | 322.6 | 325.3 | 328.1 |
| Medical and Nursing Supplies | 2.810 | 263.4 | 267.2 | 269.0 | 271.4 | 274.7 | 279.7 | 282.4 | 284.9 |
| Rent | 1.350 | 247.2 | 248.2 | 249.8 | 252.8 | 253.6 | 255.1 | 258.1 | 260.4 |
| Energy and Utilities | 1.170 | 266.2 | 268.0 | 270.1 | 272.1 | 274.6 | 277.1 | 280.0 | 282.4 |
| Miscellaneous | 7.100 | 259.6 | 261.5 | 263.3 | 265.3 | 267.5 | 269.5 | 271.5 | 273.5 |
| Contract Services | 6.870 | 303.8 | 307.6 | 312.2 | 315.6 | 318.8 | 322.4 | 327.5 | 331.0 |

¹For data sources used to estimate the input price index relative weights and choice of price proxies, see the *Federal Register* (1993b).

²Category weights may not sum to totals because of rounding.

NOTES: Data through 1993, Quarter 2 are historical. Data beginning with 1993, Quarter 3 are forecasted. Q designates quarter of year.

SOURCES: Health Care Financing Administration, Office of the Actuary, Data from the Office of National Health Statistics, Division of Health Cost Analysis. Third quarter 1993 forecasts were produced by Data Resources, Inc./McGraw-Hill.

Table 14
Selected National Economic Indicators: 1990-93

| Indicator | Calendar Year | | | 1990 | 1991 | 1992 | 1992 | 1992 | 1993 | 1993 |
|---|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | 1990 | 1991 | 1992 | Q2 | Q2 | Q2 | Q3 | Q4 | Q1 | Q2 |
| Gross Domestic Product | | | | | | | | | | |
| Billions in Dollars | \$5,546 | \$5,723 | \$6,038 | \$5,541 | \$5,698 | \$5,991 | \$6,060 | \$6,194 | \$6,262 | \$6,328 |
| Billions of 1987 Dollars | \$4,897 | \$4,861 | \$4,986 | \$4,917 | \$4,856 | \$4,957 | \$4,998 | \$5,068 | \$5,078 | \$5,102 |
| Implicit Price Deflator (1987 = 100.0) | 113.2 | 117.7 | 121.1 | 112.7 | 117.3 | 120.9 | 121.2 | 122.2 | 123.3 | 124.0 |
| Employment, Hours, and Earnings | | | | | | | | | | |
| Unemployment Rate, All Workers | 5.5 | 6.7 | 7.4 | 5.3 | 6.7 | 7.5 | 7.6 | 7.3 | 7.0 | 7.0 |
| Private Non-Agricultural Workers: | | | | | | | | | | |
| Total Employment in Thousands | 91,115 | 89,854 | 89,866 | 91,386 | 89,884 | 89,924 | 90,715 | 90,714 | 89,217 | 91,297 |
| Average Weekly Hours | 34.5 | 34.3 | 34.4 | 34.5 | 34.3 | 34.3 | 34.6 | 34.5 | 34.0 | 34.4 |
| Average Hourly Earnings | \$10.01 | \$10.32 | \$10.57 | \$9.96 | \$10.29 | \$10.53 | \$10.57 | \$10.70 | \$10.78 | \$10.79 |
| Health Services Workers: | | | | | | | | | | |
| Total Employment in Thousands | 7,814 | 8,183 | 8,523 | 7,768 | 8,131 | 8,471 | 8,580 | 8,667 | 8,736 | 8,836 |
| Average Weekly Hours | 32.5 | 32.5 | 32.8 | 32.4 | 32.5 | 32.6 | 32.9 | 32.8 | 32.7 | 32.7 |
| Average Hourly Earnings | \$10.40 | \$10.96 | \$11.39 | \$10.31 | \$10.90 | \$11.30 | \$11.44 | \$11.57 | \$11.68 | \$11.70 |
| Personal Income and Savings | | | | | | | | | | |
| Income in Billions | \$4,674 | \$4,851 | \$5,145 | \$4,649 | \$4,833 | \$5,094 | \$5,140 | \$5,328 | \$5,255 | \$5,373 |
| Disposable Income in Billions | \$4,051 | \$4,231 | \$4,500 | \$4,021 | \$4,217 | \$4,459 | \$4,497 | \$4,658 | \$4,598 | \$4,692 |
| Savings in Billions | \$170 | \$201 | \$239 | \$176 | \$206 | \$238 | \$220 | \$280 | \$178 | \$209 |
| Personal Savings Rate | 4.2 | 4.7 | 5.3 | 4.4 | 4.9 | 5.3 | 4.9 | 6.0 | 3.9 | 4.4 |
| Prices¹ | | | | | | | | | | |
| Gross Domestic Product | | | | | | | | | | |
| Fixed-Weight Price Index (1987 = 100.0) | 113.5 | 118.2 | 122.1 | 112.9 | 117.8 | 121.8 | 122.5 | 123.5 | 124.8 | 125.6 |
| Consumer Price Index, All Items | | | | | | | | | | |
| All Items Less Medical Care | 128.8 | 133.8 | 137.5 | 127.5 | 133.3 | 137.0 | 138.0 | 138.9 | 140.0 | 141.0 |
| Apparel and Upkeep | 124.1 | 128.7 | 131.9 | 125.2 | 128.8 | 132.5 | 130.9 | 133.6 | 133.1 | 134.6 |
| Energy | 102.1 | 102.4 | 103.0 | 97.3 | 101.7 | 102.6 | 105.8 | 104.3 | 102.7 | 104.7 |
| Food and Beverages | 132.1 | 136.8 | 138.7 | 131.3 | 137.4 | 138.5 | 138.7 | 139.3 | 140.7 | 141.4 |
| Housing: Shelter | 140.0 | 146.3 | 151.2 | 138.6 | 145.4 | 150.5 | 152.0 | 152.5 | 154.3 | 155.2 |
| Medical Care | 162.8 | 177.0 | 190.1 | 160.8 | 175.3 | 188.7 | 191.5 | 194.1 | 197.7 | 200.3 |
| Producer Price Index,² Finished | | | | | | | | | | |
| Consumer Goods | 118.2 | 120.4 | 121.7 | 116.3 | 120.4 | 121.7 | 122.3 | 122.5 | 122.8 | 124.2 |

¹Base period = 1982-84, unless noted.

²Formerly called the "Wholesale Price Index."

NOTES: Q designates quarter of year. Quarterly data are not seasonally adjusted.

SOURCES: U.S. Department of Commerce, Bureau of Economic Analysis: *Survey of Current Business*. Washington, U.S. Government Printing Office. Monthly reports for January 1990-August 1993; U.S. Department of Labor, Bureau of Labor Statistics: *Employment and Earnings*. Washington, U.S. Government Printing Office. Monthly reports for January 1990-September 1993.

Table 15
Percent Change in Selected National Economic Indicators: 1990-93

| Indicator | Calendar Year | | | 1990 Q2 | 1991 Q2 | 1992 Q2 | 1992 Q3 | 1992 Q4 | 1993 Q1 | 1993 Q2 |
|--|-----------------------|------|------|--|------------|------------|------------|------------|------------|------------|
| | 1990 | 1991 | 1992 | | | | | | | |
| | Annual Percent Change | | | Percent Change From the Same Period of Previous Year | | | | | | |
| Gross Domestic Product | | | | | | | | | | |
| Billions in Dollars | 5.6 | 3.2 | 5.5 | 6.0 | 2.8 | 5.2 | 5.2 | 6.7 | 6.0 | 5.6 |
| Billions of 1987 Dollars | 1.2 | -0.7 | 2.6 | 1.6 | -1.3 | 2.1 | 2.6 | 3.9 | 3.2 | 2.9 |
| Implicit Price Deflator (1987 = 100.0) | 4.3 | 3.9 | 2.9 | 4.3 | 4.1 | 3.0 | 2.6 | 2.8 | 2.7 | 2.6 |
| Employment, Hours, and Earnings | | | | | | | | | | |
| Unemployment Rate, All Workers ¹ | 0.3 | 1.2 | 0.7 | 0.0 | 1.3 | 0.7 | 0.8 | 0.4 | -0.2 | -0.5 |
| Private Non-Agricultural Workers: | | | | | | | | | | |
| Total Employment | 1.1 | -1.4 | 0.0 | 1.4 | -1.6 | 0.0 | 0.2 | 0.6 | 1.3 | 1.5 |
| Average Weekly Hours | -0.3 | -0.6 | 0.2 | -0.3 | -0.7 | 0.2 | -0.0 | 0.1 | -0.1 | 0.3 |
| Average Hourly Earnings | 3.7 | 3.1 | 2.5 | 3.9 | 3.2 | 2.3 | 2.3 | 2.5 | 2.6 | 2.5 |
| Health Services Workers: | | | | | | | | | | |
| Total Employment | 4.7 | 4.7 | 4.2 | 4.5 | 4.7 | 4.2 | 4.0 | 4.2 | 4.3 | 4.3 |
| Average Weekly Hours | 0.3 | -0.0 | 0.7 | 0.2 | 0.2 | 0.3 | 0.6 | 0.5 | -0.4 | 0.4 |
| Average Hourly Earnings | 5.9 | 5.3 | 3.9 | 6.3 | 5.8 | 3.7 | 3.6 | 3.7 | 4.0 | 3.5 |
| Personal Income and Savings | | | | | | | | | | |
| Income | 6.7 | 3.8 | 6.1 | 6.7 | 4.0 | 5.4 | 5.8 | 8.1 | 4.7 | 5.5 |
| Disposable Income | 7.0 | 4.4 | 6.4 | 7.0 | 4.9 | 5.7 | 6.1 | 8.3 | 4.8 | 5.2 |
| Savings | 11.8 | 18.5 | 18.4 | 18.3 | 17.2 | 15.5 | 17.6 | 32.1 | -18.2 | -12.3 |
| Personal Savings Rate ¹ | 0.1 | 0.6 | 0.6 | 0.4 | 0.5 | 0.4 | 0.5 | 1.1 | -1.1 | -0.9 |
| Prices² | | | | | | | | | | |
| Gross Domestic Product | | | | | | | | | | |
| Fixed-Weight Price Index (1987 = 100.0) | 4.5 | 4.1 | 3.3 | 4.4 | 4.3 | 3.4 | 3.2 | 3.3 | 3.3 | 3.1 |
| Consumer Price Index, All Items | | | | | | | | | | |
| All Items Less Medical Care | 5.4 | 4.2 | 3.0 | 4.6 | 4.8 | 3.1 | 3.1 | 3.1 | 3.2 | 3.1 |
| Apparel and Upkeep | 5.2 | 3.9 | 2.7 | 4.3 | 4.6 | 2.8 | 2.8 | 2.8 | 2.9 | 2.9 |
| Energy | 4.6 | 3.7 | 2.5 | 4.6 | 2.9 | 2.8 | 2.2 | 1.4 | 2.0 | 1.6 |
| Food and Beverages | 8.2 | 0.4 | 0.5 | 0.2 | 4.5 | 0.9 | 2.6 | 2.4 | 3.4 | 2.0 |
| Housing: Shelter | 5.8 | 3.6 | 1.4 | 5.4 | 4.7 | 0.8 | 1.4 | 1.7 | 1.8 | 2.1 |
| Medical Care | 5.4 | 4.5 | 3.4 | 5.2 | 4.9 | 3.5 | 3.3 | 3.1 | 3.0 | 3.1 |
| Medical Care | 9.1 | 8.7 | 7.4 | 9.0 | 9.0 | 7.7 | 7.2 | 6.8 | 6.3 | 6.1 |
| Producer Price Index,³ Finished Consumer Goods | | | | | | | | | | |
| Consumer Goods | 5.5 | 1.9 | 1.0 | 3.2 | 3.5 | 1.1 | 1.6 | 1.5 | 2.1 | 2.1 |

¹Change in rate, rather than percent change.

²Base period = 1982-84, unless noted.

³Formerly called the "Wholesale Price Index."

NOTE: Q designates quarter of year.

SOURCES: U.S. Department of Commerce, Bureau of Economic Analysis: *Survey of Current Business*. Washington. U.S. Government Printing Office. Monthly reports for January 1989-August 1993; U.S. Department of Labor, Bureau of Labor Statistics: *Employment and Earnings*. Washington. U.S. Government Printing Office. Monthly reports for January 1989-September 1993.

Figure 7

Percent Change in Indicators of National Economic Activity from the Same Period of Previous Year: 1984-93

