

Table 99. Discharges, days of care, and average length of stay in nonfederal short-stay hospitals, by selected characteristics: United States, selected years 1980 through 2008-2009

(Data are based on a sample of hospital records)

Characteristic	1980 ¹	1985 ¹	1990	1995	2000	2005	2007	2008-2009 ²
Discharges per 10,000 population								
Total, age-adjusted ³	1,744.5	1,522.3	1,252.4	1,180.2	1,132.8	1,162.4	1,124.0	1,149.8
Total, crude.....	1,676.8	1,484.1	1,222.7	1,157.4	1,128.3	1,174.4	1,143.9	1,179.9
Age								
Under 18 years.....	756.5	614.0	463.5	423.7	402.6	411.0	376.7	341.8
Under 1 year.....	2,317.6	2,137.9	1,915.3	1,977.6	2,027.6	1,949.3	1,639.3	1,604.5
1-4 years.....	864.6	650.2	466.9	457.1	458.0	429.7	389.9	336.1
5-17 years.....	609.3	477.4	334.1	290.2	268.6	286.5	271.5	241.6
18-44 years.....	1,578.8	1,301.2	1,026.6	914.3	849.4	898.0	888.8	885.7
18-24 years.....	1,570.3	1,297.8	1,065.3	928.9	854.1	862.4	846.1	814.4
25-44 years.....	1,582.8	1,302.5	1,013.8	909.9	847.9	910.3	903.8	911.3
25-34 years.....	1,682.9	1,416.9	1,140.3	1,015.0	942.5	1,007.8	1,003.5	1,001.0
35-44 years.....	1,438.3	1,153.1	868.8	808.0	764.8	821.5	810.4	823.7
45-64 years.....	1,947.6	1,707.8	1,354.5	1,185.4	1,114.2	1,147.0	1,143.9	1,209.6
45-54 years.....	1,750.2	1,470.7	1,123.9	984.7	920.8	964.3	959.3	1,027.6
55-64 years.....	2,153.6	1,948.0	1,632.6	1,483.4	1,415.0	1,402.4	1,391.2	1,445.7
65 years and over.....	3,836.9	3,698.0	3,341.2	3,477.4	3,533.6	3,595.6	3,395.1	3,548.8
65-74 years.....	3,158.4	2,972.6	2,616.3	2,600.0	2,546.0	2,628.9	2,439.9	2,543.3
75 years and over.....	4,893.0	4,756.1	4,340.3	4,590.7	4,619.6	4,588.4	4,392.4	4,645.0
75-84 years.....	4,638.6	4,464.2	3,957.0	4,155.7	4,124.4	4,131.7	3,983.3	4,140.2
85 years and over.....	5,764.6	5,728.9	5,606.3	5,925.1	6,050.9	5,758.1	5,358.9	5,808.9
Sex ³								
Male.....	1,543.9	1,382.5	1,130.0	1,048.5	990.8	1,013.0	973.8	1,000.9
Female.....	1,951.9	1,675.6	1,389.5	1,317.3	1,277.3	1,319.6	1,280.6	1,307.6
Sex and age								
Male, all ages.....	1,390.4	1,240.2	1,002.2	941.7	910.6	959.0	936.7	971.9
Under 18 years.....	762.6	626.4	463.1	431.3	408.6	412.2	385.6	350.5
18-44 years.....	950.9	776.9	579.2	507.2	450.0	471.1	460.8	447.6
45-64 years.....	1,953.1	1,775.6	1,402.7	1,212.0	1,127.4	1,148.8	1,156.6	1,224.8
65-74 years.....	3,474.1	3,255.2	2,877.6	2,762.2	2,649.1	2,742.6	2,559.3	2,640.6
75-84 years.....	5,093.5	5,031.8	4,417.3	4,361.1	4,294.1	4,388.1	4,162.6	4,369.0
85 years and over.....	6,372.3	6,406.9	6,420.9	6,387.9	6,166.6	5,984.1	5,440.6	6,210.0
Female, all ages.....	1,944.0	1,712.2	1,431.7	1,362.9	1,336.6	1,382.2	1,344.0	1,381.2
Under 18 years.....	750.2	601.0	464.1	415.7	396.2	409.8	367.3	332.5
18-44 years.....	2,180.2	1,808.3	1,468.0	1,318.0	1,248.1	1,330.9	1,324.5	1,332.5
45-64 years.....	1,942.5	1,645.9	1,309.7	1,160.5	1,101.7	1,145.3	1,131.7	1,195.0
65-74 years.....	2,916.6	2,754.8	2,411.2	2,469.4	2,461.0	2,533.1	2,338.4	2,460.1
75-84 years.....	4,370.4	4,130.4	3,678.9	4,024.1	4,013.5	3,957.7	3,859.8	3,979.9

85 years and over.....	5,500.3	5,458.0	5,289.6	5,743.7	6,003.3	5,654.4	5,320.0	5,619.1
Geographic region ³								
Northeast.....	1,622.9	1,428.7	1,332.2	1,335.3	1,274.8	1,245.9	1,274.6	1,322.5
Midwest.....	1,925.2	1,584.7	1,287.5	1,132.8	1,109.2	1,174.9	1,125.5	1,162.8
South.....	1,814.1	1,569.4	1,325.0	1,252.4	1,209.2	1,202.5	1,139.9	1,164.1
West.....	1,519.7	1,469.6	1,006.6	967.4	894.0	1,005.9	966.0	959.7
Days of care per 10,000 population								
Total, age-adjusted ³	13,027.0	10,017.9	8,189.3	6,386.2	5,576.8	5,541.7	5,404.1	5,556.9
Total, crude.....	12,166.8	9,576.6	7,840.5	6,201.7	5,546.5	5,620.9	5,539.4	5,760.9
Age								
Under 18 years.....	3,415.1	2,812.3	2,263.1	1,846.7	1,789.7	1,918.3	1,785.0	1,487.2
Under 1 year.....	13,213.9	14,141.2	11,484.7	10,834.5	11,524.0	12,131.6	8,466.7	9,339.7
1-4 years.....	3,333.5	2,280.4	1,700.1	1,525.6	1,482.2	1,355.3	1,280.3	1,030.0
5-17 years.....	2,698.5	2,049.8	1,633.2	1,240.3	1,172.1	1,300.9	1,406.4	998.3
18-44 years.....	8,323.6	6,294.7	4,676.7	3,517.2	3,093.8	3,305.0	3,258.0	3,224.4
18-24 years.....	7,174.6	5,287.2	4,015.9	2,987.4	2,679.5	2,819.9	2,738.7	2,681.4
25-44 years.....	8,861.4	6,685.2	4,895.5	3,676.4	3,225.5	3,472.8	3,439.7	3,419.3
25-34 years.....	8,497.5	6,688.9	4,939.7	3,536.1	3,161.7	3,434.3	3,423.1	3,472.1
35-44 years.....	9,386.6	6,680.4	4,844.8	3,812.3	3,281.5	3,507.9	3,455.2	3,367.8
45-64 years.....	15,969.5	12,015.9	9,139.3	6,574.5	5,515.4	5,717.3	5,868.2	6,234.0
45-54 years.....	13,167.2	9,692.8	6,996.6	5,162.0	4,374.2	4,711.2	4,745.9	4,978.3
55-64 years.....	18,895.4	14,369.5	11,722.6	8,671.6	7,290.8	7,124.0	7,371.8	7,863.5
65 years and over.....	40,983.5	32,279.7	28,956.1	23,736.5	21,118.9	19,882.8	18,951.7	20,160.1
65-74 years.....	31,470.3	24,373.3	20,878.2	16,847.0	14,389.7	13,985.3	13,274.8	13,899.5
75 years and over.....	55,788.2	43,812.7	40,090.8	32,478.1	28,518.6	25,939.4	24,878.5	26,986.2
75-84 years.....	51,836.2	40,521.6	35,995.1	28,947.5	25,397.8	23,155.3	22,658.1	24,020.3
85 years and over.....	69,332.0	54,782.4	53,616.9	43,305.9	37,537.8	33,071.5	30,124.5	33,824.0
Sex ³								
Male.....	12,475.8	9,792.1	8,057.8	6,239.0	5,358.8	5,301.3	5,157.4	5,359.7
Female.....	13,662.9	10,340.4	8,404.5	6,548.8	5,809.7	5,828.7	5,685.1	5,808.2
Sex and age								
Male, all ages.....	10,674.1	8,518.8	6,943.0	5,507.5	4,860.8	4,979.7	4,937.6	5,177.0
Under 18 years.....	3,473.1	2,942.7	2,335.7	1,998.0	1,955.7	2,006.2	1,858.1	1,586.4
18-44 years.....	6,102.4	4,746.6	3,517.4	2,729.7	2,175.0	2,282.7	2,241.8	2,124.9
45-64 years.....	15,894.9	12,290.1	9,434.2	6,822.7	5,704.4	5,773.5	6,103.5	6,498.1
65-74 years.....	33,697.6	26,220.5	22,515.5	17,697.4	14,897.4	14,502.6	13,666.7	14,698.4
75-84 years.....	54,723.3	44,087.4	38,257.8	29,642.6	26,616.7	25,106.9	23,894.6	25,577.6
85 years and over.....	77,013.1	58,609.5	60,347.3	45,263.6	37,765.3	35,179.0	31,480.6	37,467.3
Female, all ages.....	13,560.1	10,566.3	8,691.1	6,863.4	6,202.7	6,239.5	6,121.1	6,326.0
Under 18 years.....	3,354.5	2,675.5	2,186.8	1,687.9	1,615.1	1,826.1	1,708.3	1,383.3
18-44 years.....	10,450.7	7,792.0	5,820.3	4,297.9	4,010.8	4,341.8	4,292.3	4,345.9
45-64 years.....	16,037.1	11,765.5	8,865.1	6,341.7	5,336.4	5,663.9	5,644.3	5,982.4

65-74 years.....	29,764.7	22,949.2	19,592.7	16,162.0	13,971.3	13,549.0	12,942.1	13,216.5
75-84 years.....	50,133.3	38,424.7	34,628.3	28,502.5	24,601.0	21,830.1	21,806.2	22,928.9
85 years and over.....	65,990.5	53,253.6	51,000.5	42,538.6	37,444.4	32,103.5	29,479.5	32,100.2

Geographic region³

Northeast.....	14,024.4	11,143.1	10,266.8	8,389.7	7,185.9	6,636.5	7,284.4	7,285.5
Midwest.....	14,871.9	10,803.6	8,306.5	5,908.8	5,005.3	4,954.3	4,775.3	5,083.1
South.....	12,713.5	9,642.6	8,204.1	6,659.9	5,925.1	5,830.4	5,555.7	5,639.3
West.....	9,635.2	8,300.7	5,755.1	4,510.6	4,082.0	4,690.3	4,184.5	4,383.6

Average length of stay in days

Total, age-adjusted ³	7.5	6.6	6.5	5.4	4.9	4.8	4.8	4.8
Total, crude.....	7.3	6.5	6.4	5.4	4.9	4.8	4.8	4.9

Age

Under 18 years.....	4.5	4.6	4.9	4.4	4.4	4.7	4.7	4.4
Under 1 year.....	5.7	6.6	6.0	5.5	5.7	6.2	5.2	5.8
1-4 years.....	3.9	3.5	3.6	3.3	3.2	3.2	3.3	3.1
5-17 years.....	4.4	4.3	4.9	4.3	4.4	4.5	5.2	4.1
18-44 years.....	5.3	4.8	4.6	3.8	3.6	3.7	3.7	3.6
18-24 years.....	4.6	4.1	3.8	3.2	3.1	3.3	3.2	3.3
25-44 years.....	5.6	5.1	4.8	4.0	3.8	3.8	3.8	3.8
25-34 years.....	5.0	4.7	4.3	3.5	3.4	3.4	3.4	3.5
35-44 years.....	6.5	5.8	5.6	4.7	4.3	4.3	4.3	4.1
45-64 years.....	8.2	7.0	6.7	5.5	5.0	5.0	5.1	5.2
45-54 years.....	7.5	6.6	6.2	5.2	4.8	4.9	4.9	4.8
55-64 years.....	8.8	7.4	7.2	5.8	5.2	5.1	5.3	5.4
65 years and over.....	10.7	8.7	8.7	6.8	6.0	5.5	5.6	5.7
65-74 years.....	10.0	8.2	8.0	6.5	5.7	5.3	5.4	5.5
75 years and over.....	11.4	9.2	9.2	7.1	6.2	5.7	5.7	5.8
75-84 years.....	11.2	9.1	9.1	7.0	6.2	5.6	5.7	5.8
85 years and over.....	12.0	9.6	9.6	7.3	6.2	5.7	5.6	5.8

Sex³

Male.....	8.1	7.1	7.1	6.0	5.4	5.2	5.3	5.4
Female.....	7.0	6.2	6.0	5.0	4.5	4.4	4.4	4.4

Sex and age

Male, all ages.....	7.7	6.9	6.9	5.8	5.3	5.2	5.3	5.3
Under 18 years.....	4.6	4.7	5.0	4.6	4.8	4.9	4.8	4.5
18-44 years.....	6.4	6.1	6.1	5.4	4.8	4.8	4.9	4.7
45-64 years.....	8.1	6.9	6.7	5.6	5.1	5.0	5.3	5.3
65-74 years.....	9.7	8.1	7.8	6.4	5.6	5.3	5.3	5.6
75-84 years.....	10.7	8.8	8.7	6.8	6.2	5.7	5.7	5.9
85 years and over.....	12.1	9.1	9.4	7.1	6.1	5.9	5.8	6.0
Female, all ages.....	7.0	6.2	6.1	5.0	4.6	4.5	4.6	4.6
Under 18 years.....	4.5	4.5	4.7	4.1	4.1	4.5	4.7	4.2

18-44 years.....	4.8	4.3	4.0	3.3	3.2	3.3	3.2	3.3
45-64 years.....	8.3	7.1	6.8	5.5	4.8	4.9	5.0	5.0
65-74 years.....	10.2	8.3	8.1	6.5	5.7	5.3	5.5	5.4
75-84 years.....	11.5	9.3	9.4	7.1	6.1	5.5	5.6	5.8
85 years and over.....	12.0	9.8	9.6	7.4	6.2	5.7	5.5	5.7

Geographic region³

Northeast.....	8.6	7.8	7.7	6.3	5.6	5.3	5.7	5.5
Midwest.....	7.7	6.8	6.5	5.2	4.5	4.2	4.2	4.4
South.....	7.0	6.1	6.2	5.3	4.9	4.8	4.9	4.8
West.....	6.3	5.6	5.7	4.7	4.6	4.7	4.3	4.6

¹Comparisons of data from 1980-1985 with data from subsequent years should be made with caution because estimates of change may reflect improvements in the survey design rather than true changes in hospital use. See Appendix I, National Hospital Discharge Survey (NHDS).

²Starting with 2008 data, the sample of nonfederal short-stay hospitals was cut in half. This smaller sample size has increased standard errors. Therefore, caution should be exercised in interpreting trends in these data. See Appendix I, National Hospital Discharge Survey (NHDS).

³Estimates are age-adjusted to the year 2000 standard population using six age groups: under 18 years, 18-44 years, 45-54 years, 55-64 years, 65-74 years, and 75 years and over. See Appendix II, Age adjustment.

NOTES: Excludes newborn infants. Rates are based on the civilian population as of July 1. Starting with *Health, United States, 2003*, rates for 2000 and beyond are based on the 2000 census. Rates for 1990-1999 use population estimates based on the 1990 census adjusted for net underenumeration using the 1990 National Population Adjustment Matrix from the U.S. Census Bureau. Rates for 1990-1999 are not strictly comparable with rates for 2000 and beyond because population estimates for 1990-1999 have not been revised to reflect the 2000 census. See Appendix I, National Hospital Discharge Survey (NHDS); Population Census and Population Estimates. Data for additional years are available. See Appendix III.

SOURCE: CDC/NCHS, National Hospital Discharge Survey. See Appendix I, National Hospital Discharge Survey (NHDS).

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