

Table 96 (page 1 of 3). Discharge rate in nonfederal short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, selected years 1990 through 2009–2010

Updated data when available, Excel, PDF, and more data years: <http://www.cdc.gov/nchs/hus/contents2012.htm#096>.

[Data are based on a sample of hospital records]

Age and first-listed diagnosis	Discharges								
	Both sexes			Male			Female		
	1990	2000	2009–2010 ¹	1990	2000	2009–2010 ¹	1990	2000	2009–2010 ¹
	Number per 10,000 population								
All ages, age-adjusted ^{2,3}	1,252.4	1,132.8	1,125.1	1,130.0	990.8	975.3	1,389.5	1,277.3	1,283.5
All ages, crude ³	1,222.7	1,128.3	1,160.3	1,002.2	910.6	957.4	1,431.7	1,336.6	1,357.1
Under 18 years ³	463.5	402.6	*336.2	463.1	408.6	*343.1	464.1	396.2	*329.0
Dehydration	9.5	15.7	*8.6	9.4	17.2	*9.1	9.7	14.2	*8.0
Acute bronchitis and bronchiolitis	17.2	27.8	*16.0	19.6	31.4	*19.1	14.6	24.1	*12.7
Pneumonia	33.3	25.2	*22.4	37.0	25.7	*22.0	29.5	24.6	*22.7
Asthma	27.5	29.6	*18.7	32.7	34.8	*23.1	22.0	24.0	*14.2
Appendicitis	12.6	11.9	*9.6	14.6	13.0	*11.9	10.5	10.8	*7.2
Injury	49.7	33.6	*23.2	62.0	42.0	*27.2	36.8	24.8	*19.1
Fracture	17.7	13.8	*10.2	22.3	18.3	*12.6	12.9	9.0	*7.8
Complications of care and adverse effects	6.2	*7.3	*5.2	6.5	*7.9	*5.5	5.9	*6.6	*4.9
18–44 years ³	1,026.6	849.4	867.3	579.2	450.0	434.0	1,468.0	1,248.1	1,310.2
HIV/AIDS	*1.8	4.3	2.2	*2.8	5.8	3.1	*	2.8	*1.2
Cancer, all	16.6	10.5	10.1	11.9	7.3	7.0	21.3	13.7	13.3
Childbirth	...	...	...	...	...	...	698.6	645.2	693.1
Uterine fibroids	...	...	...	...	...	...	20.2	21.7	15.2
Diabetes	9.7	11.5	14.2	11.3	13.0	13.9	8.1	9.9	14.5
Alcohol and drug	26.2	29.7	19.2	37.0	39.1	25.8	15.5	*20.2	12.4
Schizophrenia, mood disorders, delusional disorders, nonorganic psychoses	35.4	*53.6	48.2	34.1	*53.2	47.6	36.7	*53.9	48.7
Schizophrenia	13.4	*14.4	12.4	16.4	*18.6	14.8	10.5	*10.1	10.0
Mood disorders	19.4	*35.9	32.8	15.4	*31.0	29.3	23.4	*40.9	36.3
Heart disease	21.7	21.8	20.3	30.2	26.6	24.6	13.4	17.0	15.8
Ischemic heart disease	11.9	9.9	6.0	17.7	14.2	8.3	6.3	5.6	3.7
Pneumonia	12.5	10.9	9.5	12.8	10.0	8.9	12.2	11.9	10.1
Asthma	9.8	9.0	7.6	5.1	5.4	4.6	14.4	12.6	10.7
Intervertebral disc disorders	20.5	12.5	8.5	25.6	14.5	8.6	15.4	10.4	8.4
Injury	86.2	45.8	44.8	119.0	62.3	55.7	53.8	29.4	33.6
Fracture	27.8	17.8	18.1	40.2	25.4	25.0	15.5	10.2	11.0
Poisoning and toxic effects	11.4	8.5	11.2	10.0	6.7	9.7	12.7	10.3	12.6
Complications of care and adverse effects	12.5	12.2	16.6	11.7	11.2	13.1	13.3	13.1	20.3
45–64 years ³	1,354.5	1,114.2	1,200.5	1,402.7	1,127.4	1,209.8	1,309.7	1,101.7	1,191.6
HIV/AIDS	*0.6	*3.2	2.0	*1.2	*4.9	3.0	*	*	*1.1
Cancer, all	118.3	62.9	62.2	106.3	62.1	62.6	129.5	63.6	61.8
Colorectal cancer	12.7	7.9	7.5	14.8	8.9	7.8	10.8	6.9	7.2
Lung/bronchus/tracheal cancer	21.8	6.9	7.8	26.8	8.6	7.2	17.2	5.2	8.3
Breast cancer ⁴	...	...	...	...	...	...	29.0	14.2	11.5
Prostate cancer	...	...	...	8.5	9.6	*13.5	...	...	...
Uterine fibroids	...	...	...	...	...	...	29.3	35.6	23.3
Diabetes	29.1	33.1	32.0	29.1	37.4	32.9	29.2	29.0	31.1
Alcohol and drug	21.7	23.3	24.2	34.6	33.5	36.4	9.6	13.7	12.7
Schizophrenia, mood disorders, delusional disorders, nonorganic psychoses	32.9	42.7	47.5	25.4	*39.6	43.5	39.8	45.6	51.3
Schizophrenia	10.1	12.8	14.4	8.4	*14.4	15.7	11.7	11.3	13.2
Mood disorders	19.6	*26.9	30.4	14.5	*21.6	24.9	24.4	*32.0	35.6
Heart disease	238.7	203.6	145.6	316.8	264.0	187.5	166.1	146.4	105.6
Ischemic heart disease	160.3	126.4	68.2	226.1	177.3	95.4	99.2	78.2	42.3
Heart attack	50.6	38.8	26.4	74.4	58.7	37.8	28.4	19.9	15.4
Arrhythmias	28.5	25.1	24.7	35.5	31.8	31.1	22.1	18.7	18.6
Heart failure	26.4	31.4	31.8	30.7	33.5	37.3	22.4	29.3	26.6
Hypertension	16.3	19.0	17.9	16.9	17.6	17.6	15.6	20.3	18.2
Stroke	35.2	36.7	36.0	40.8	38.3	41.2	30.1	35.2	31.1
Pneumonia	33.5	35.3	32.6	34.0	34.2	34.7	33.0	36.4	30.7
Chronic obstructive pulmonary disease	15.8	30.8	28.9	17.4	30.8	24.1	14.3	30.8	33.5
Asthma	18.6	13.4	15.7	11.8	6.2	8.7	24.9	20.2	22.4
Osteoarthritis	18.9	24.0	61.5	16.3	20.8	54.1	21.2	27.0	68.4
Intervertebral disc disorders	31.5	21.2	20.3	36.8	22.5	21.2	26.5	20.0	19.4
Injury	72.5	47.9	56.4	79.9	51.2	62.2	65.6	44.7	50.8
Fracture	32.4	26.2	29.2	33.4	25.3	31.3	31.5	27.0	27.2
Poisoning and toxic effects	6.3	6.3	11.9	4.5	5.5	11.0	8.0	7.1	12.7
Internal organ injury	7.9	4.5	7.1	10.2	5.9	9.1	5.7	3.2	*5.1
Complications of care and adverse effects	32.0	34.5	49.8	35.6	36.3	51.0	28.7	32.7	48.7

See footnotes at end of table.

Table 96 (page 2 of 3). Discharge rate in nonfederal short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, selected years 1990 through 2009–2010

Updated data when available, Excel, PDF, and more data years: <http://www.cdc.gov/nchs/hus/contents2012.htm#096>.

[Data are based on a sample of hospital records]

Age and first-listed diagnosis	Discharges								
	Both sexes			Male			Female		
	1990	2000	2009–2010 ¹	1990	2000	2009–2010 ¹	1990	2000	2009–2010 ¹
	Number per 10,000 population								
65–74 years ³	2,616.3	2,546.0	2,487.1	2,877.6	2,649.1	2,598.5	2,411.2	2,461.0	2,391.0
Septicemia	27.2	35.6	71.3	34.9	40.1	77.9	21.2	32.0	65.5
Cancer, all	243.1	159.0	147.5	281.4	176.4	175.3	213.0	144.7	123.6
Colorectal cancer	27.0	22.8	16.6	30.6	29.9	20.1	24.1	16.9	13.5
Lung/bronchus/tracheal cancer	42.9	26.1	27.3	63.9	28.2	33.6	26.4	24.5	21.9
Breast cancer ⁴ . . . . .	...	...	...	...	...	...	42.3	31.2	16.7
Prostate cancer . . . . .	...	...	...	50.6	37.1	30.1	...	...	...
Diabetes	51.8	46.4	45.4	43.6	46.8	45.7	58.3	46.2	45.2
Schizophrenia, mood disorders, delusional disorders, nonorganic psychoses	32.7	37.1	*29.2	25.3	*34.2	*21.6	38.6	39.6	*35.7
Dementia and Alzheimer's disease	5.6	*11.2	*8.3	4.9	*16.2	*	*6.1	*7.0	*7.6
Heart disease	558.1	604.8	407.4	694.2	706.4	509.0	451.3	521.0	319.8
Ischemic heart disease	321.3	307.0	170.2	419.9	396.5	233.9	243.9	233.2	115.2
Heart attack	103.3	100.3	62.0	139.8	124.7	82.8	74.6	80.2	44.1
Arrhythmias	69.1	102.6	85.1	84.7	108.3	99.4	56.9	97.9	72.7
Heart failure	105.2	131.6	93.9	118.0	136.4	112.3	95.1	127.6	78.0
Hypertension	21.8	21.5	29.1	16.2	16.5	*24.3	26.2	25.5	33.2
Stroke	123.9	127.1	109.5	137.5	131.8	126.6	113.1	123.2	94.7
Pneumonia	98.1	121.3	83.8	113.6	127.7	86.8	85.9	116.1	81.2
Chronic obstructive pulmonary disease	45.3	102.3	98.5	52.6	102.6	92.8	39.6	102.0	103.4
Gallstones	44.2	33.4	22.2	38.2	30.2	23.6	48.9	36.0	21.1
Kidney disease	9.9	19.1	57.1	11.0	21.0	71.3	9.0	17.5	44.9
Urinary tract infection	30.2	25.5	38.0	21.7	19.7	25.4	36.9	30.3	49.0
Hyperplasia of the prostate . . . . .	...	...	...	143.5	53.6	21.6	...	...	...
Osteoarthritis	68.0	101.4	160.7	55.2	103.1	136.4	78.0	100.1	181.7
Injury	107.7	101.5	96.4	90.7	83.8	77.1	121.1	116.2	112.9
Fracture	67.2	63.3	59.5	45.2	46.8	38.0	84.4	76.9	77.9
Hip fracture	26.7	26.4	18.3	15.3	*20.0	12.2	35.7	31.7	23.6
Complications of care and adverse effects	69.7	80.0	96.3	85.7	95.7	104.5	57.2	67.1	89.3
75–84 years ³	3,957.0	4,124.4	3,982.8	4,417.3	4,294.1	4,137.3	3,678.9	4,013.5	3,871.9
Septicemia	53.9	68.3	138.7	63.8	78.1	151.6	47.9	61.9	129.3
Cancer, all	300.3	194.0	172.3	420.8	211.0	197.3	227.6	182.9	154.3
Colorectal cancer	49.8	33.0	29.8	54.0	37.5	30.8	47.3	30.1	29.1
Lung/bronchus/tracheal cancer	36.5	27.0	33.5	57.2	32.2	40.5	*24.0	23.6	28.5
Breast cancer ⁴ . . . . .	...	...	...	...	...	...	38.7	30.8	16.5
Prostate cancer . . . . .	...	...	...	99.2	27.4	*11.1	...	...	...
Diabetes	44.3	63.4	66.9	44.8	68.1	67.5	44.0	60.3	66.5
Schizophrenia, mood disorders, delusional disorders, nonorganic psychoses	38.8	41.4	*	*27.3	*30.6	*	45.7	48.5	*31.3
Dementia and Alzheimer's disease	20.0	36.5	44.0	22.8	36.8	46.2	18.3	36.3	42.3
Heart disease	866.6	954.8	739.5	1,003.8	1,062.5	844.7	783.7	884.3	663.8
Ischemic heart disease	382.4	416.7	248.7	470.5	528.5	312.9	329.1	343.6	202.7
Heart attack	155.9	166.9	112.8	220.9	212.8	127.7	116.7	136.9	102.2
Arrhythmias	133.4	176.8	168.7	153.3	174.4	165.9	121.4	178.3	170.7
Heart failure	261.4	263.1	220.7	286.2	271.1	248.3	246.4	257.9	200.9
Hypertension	22.6	39.7	38.0	*	*28.4	*31.7	30.7	47.1	42.5
Stroke	259.0	255.5	196.9	277.7	278.4	210.6	247.7	240.6	187.1
Pneumonia	224.6	263.5	179.3	297.8	310.8	193.3	180.4	232.6	169.3
Chronic obstructive pulmonary disease	55.4	146.2	131.4	89.4	179.6	149.9	34.8	124.3	118.0
Gallstones	47.6	39.6	39.1	51.9	41.4	39.0	45.0	38.5	39.1
Kidney disease	24.5	37.6	110.2	27.6	48.7	123.9	*22.6	30.4	100.3
Urinary tract infection	86.0	85.6	123.0	66.6	72.5	87.6	97.8	94.2	148.5
Hyperplasia of the prostate . . . . .	...	...	...	183.3	67.2	38.5	...	...	...
Osteoarthritis	68.6	100.6	161.4	65.2	76.5	152.6	70.7	116.4	167.8
Injury	259.1	229.1	237.0	153.4	171.7	189.0	323.0	266.6	271.5
Fracture	195.8	170.2	166.2	92.6	116.4	111.8	258.1	205.4	205.3
Hip fracture	115.2	99.0	69.4	53.7	68.6	45.6	152.4	118.8	86.5
Complications of care and adverse effects	81.5	101.4	123.1	101.4	136.0	150.8	69.4	78.8	103.2

See footnotes at end of table.

Table 96 (page 3 of 3). Discharge rate in nonfederal short-stay hospitals, by sex, age, and selected first-listed diagnosis: United States, selected years 1990 through 2009–2010

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[Data are based on a sample of hospital records]

Age and first-listed diagnosis	Discharges								
	Both sexes			Male			Female		
	1990	2000	2009–2010 ¹	1990	2000	2009–2010 ¹	1990	2000	2009–2010 ¹
	Number per 10,000 population								
85 years and over ³	5,606.3	6,050.9	5,667.7	6,420.9	6,166.6	6,193.4	5,289.6	6,003.3	5,415.6
Septicemia	135.6	153.9	261.4	139.0	207.3	320.8	134.3	131.9	232.8
Cancer, all	254.0	194.5	144.0	370.6	250.5	209.0	208.7	171.5	112.8
Colorectal cancer	47.6	49.7	17.0	*59.1	*58.8	*20.7	43.2	45.9	*15.2
Lung/bronchus/tracheal cancer	*19.1	12.1	*25.0	*	*20.9	*	*	*8.5	*15.2
Breast cancer ⁴	...	...	...	...	...	...	*41.7	*20.5	*12.0
Prostate cancer	...	...	...	*87.8	*49.3	*20.0	...	...	...
Diabetes	53.0	65.6	58.7	*53.5	*54.2	69.4	52.8	70.3	*53.6
Schizophrenia, mood disorders, delusional disorders, nonorganic psychoses	*27.9	*37.3	*	*	*	*40.6	*30.7	*43.0	*
Dementia and Alzheimer's disease	49.7	107.0	77.2	*28.9	94.3	96.2	57.7	112.2	68.0
Heart disease	1,107.0	1,298.2	1,054.7	1,320.3	1,407.4	1,224.2	1,024.1	1,253.4	973.4
Ischemic heart disease	423.0	427.2	246.9	581.6	534.4	323.5	361.3	383.2	210.2
Heart attack	199.8	251.1	161.0	274.2	296.0	197.1	170.9	232.7	143.6
Arrhythmias	167.2	232.4	212.3	189.6	247.1	213.2	158.5	226.4	211.9
Heart failure	416.7	480.4	451.7	460.5	455.7	528.8	399.7	490.5	414.7
Hypertension	*17.9	41.1	49.1	*	*18.3	*47.6	*19.3	50.4	49.8
Stroke	427.2	373.8	284.1	408.2	396.7	278.5	434.6	364.3	286.8
Pneumonia	501.0	514.9	355.3	753.7	607.8	429.2	402.8	476.8	319.9
Chronic obstructive pulmonary disease	44.1	130.9	144.0	*72.9	150.4	173.4	*32.9	123.0	129.8
Gallstones	60.7	39.2	39.7	*68.2	*29.7	*40.6	57.8	*43.1	39.3
Kidney disease	47.1	49.5	167.4	92.4	*68.1	230.5	*29.4	*41.9	137.1
Urinary tract infection	216.5	191.5	321.9	239.3	153.1	217.0	207.6	207.2	372.1
Hyperplasia of the prostate	...	...	...	158.6	*69.9	*31.8	...	...	...
Osteoarthritis	44.5	56.0	70.2	*	*	*54.9	35.8	57.3	77.6
Injury	542.0	545.5	525.3	435.4	355.6	428.4	583.4	623.5	571.7
Fracture	439.0	450.9	396.6	335.7	252.4	275.7	479.2	532.4	454.6
Hip fracture	272.3	275.1	211.6	224.4	146.5	155.4	291.0	327.9	238.6
Complications of care and adverse effects	96.6	79.1	127.1	132.3	90.5	160.0	82.7	74.4	111.4

* Estimates are considered unreliable. Data preceded by an asterisk have a relative standard error (RSE) of 20%–30%. Data not shown have an RSE greater than 30%.

... Category not applicable.

¹Starting 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 \(NHDS\)](#).

²Estimates 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](#).

³Includes discharges with first-listed diagnoses not shown in table.

⁴Shown for females only.

NOTES: Excludes newborn infants. Diagnostic categories are based on the *International Classification of Diseases, 9th Revision, Clinical Modification (ICD–9-CM)*. See [Appendix II, Diagnosis; Human immunodeficiency virus \(HIV\) disease; International Classification of Diseases, 9th Revision, Clinical Modification \(ICD–9-CM\); Table X](#) for ICD–9-CM codes. 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](#). Additional data and diagnosis categories are available from: <http://www.cdc.gov/nchs/hdi.htm>. Data for additional years are available. See [Appendix III](#).

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