

Table CDI-1
CONNECTICUT RESIDENT HOSPITALIZATIONS, 2013
Number and Rate of Hospital Discharges, Median and Total Length of Stay and Charge
for Selected Chronic Disease Indicators

Diagnostic Group (ICD-9)	CDI ¹ Indicat	Hospital Discharges									
		No. of Disch	Rate ²		se	Adj Rate 95% CI		Length of Stay ³		Charge ⁴	
			Crude	Age-Adj		Lower	Upper	Median	Total	Median	Total
Principal Diagnosis											
All Discharges ⁵		391,343	10,882.5	10,252.1	16.93	10,218.9	10,285.3	3.0	1,932,289	22,603	14,463,495,920
Excluding newborn & pregnancy ⁶		319,159	8,875.2	7,812.5	14.26	7,784.6	7,840.5	3.0	1,702,135	26,395	13,306,401,342
Diabetes (250)	78	5,580	155.2	142.2	1.96	138.3	146.0	3.0	28,377	21,201	193,921,477
Circulatory (390-459)		53,201	1,479.4	1,205.1	5.36	1,194.6	1,215.6	3.0	261,935	31,097	2,804,651,986
CHD (402, 410-4, 429.2)		10,720	298.1	240.9	2.38	236.3	245.6	3.0	47,350	51,772	715,079,276
Acute Myocardial Infarction (410)	49	6,067	168.7	134.9	1.77	131.5	138.4	3.0	29,588	52,293	409,730,231
CHF(428.0, 428.2-428.4)	50	10,053	279.6	219.2	2.24	214.8	223.6	4.0	58,989	26,744	429,938,145
Stroke (430-4, 436-8)	53	7,367	204.9	166.2	1.98	162.3	170.1	3.0	37,964	29,661	367,114,620
COPD (490-496)		10,448	290.5	256.9	2.59	251.8	261.9	3.0	43,353	18,816	266,097,860
Bronchitis (491)		5,901	164.1	133.1	1.77	129.7	136.6	4.0	28,047	20,606	164,163,718
Emphysema (492)		63	1.8	1.6	0.20	1.2	2.0	4.0	391	32,688	3,136,867
Asthma (493)	86	4,128	114.8	113.8	1.82	110.3	117.4	2.0	13,521	16,094	89,485,317
Other COPD (490,494-6)		356	9.9	8.3	0.46	7.4	9.2	3.0	1,394	19,608	9,311,958
Unintentional Injury ⁷		12,227	340.0	296.8	2.77	291.3	302.2	3.0	49,651	30,286	472,028,684
Any Diagnosis											
Diabetes (250)	78	64,958	1,806.4	1,521.1	6.13	1,509.1	1,533.1	3.0	316,674	25,914	2,426,861,640
Diabetes with LE Amputation ⁸	72	958	26.6	22.3	0.74	20.8	23.7	7.0	9,697	49,186	71,743,480
COPD (490-496)		65,274	1,815.1	1,593.7	6.42	1,581.1	1,606.2	4.0	319,804	24,390	2,284,288,679
Asthma (493)	86	29,611	823.4	790.9	4.73	781.7	800.2	3.0	126,894	22,639	935,167,983
Traumatic Brain Injury ⁹		2,924	81.3	71.9	1.37	69.2	74.6	3.0	17,787	35,539	199,372,162
Principal Procedure											
PCI (0.66, 17.55, 36.01-02, 36.05)		4,114	114.4	93.5	1.49	90.6	96.4	2.0	13,840	65,250	316,333,669
CABG ¹⁰		1,482	41.2	33.6	0.89	31.8	35.3	8.0	14,284	111,890	201,816,240

1. Indicators for Chronic Disease Surveillance. MMWR no. RR-11. Sept. 10, 2004.

2. Connecticut population groupings were based on *Estimates for the July 1, 2013 United States resident population from the Vintage 2013 postcensal series by year, county, age, sex, race, and Hispanic origin*, prepared under a collaborative arrangement with the U.S. Census Bureau.

Backus, K, Mueller, LM (2014) http://www.cdc.gov/nchs/nvss/bridged_race.htm.

State-level Bridged Race Estimates for Connecticut, 2013, Connecticut Department of Public Health, Office of Health Care Quality, Statistics, Analysis & Reporting, Hartford, CT.

Rates are age-adjusted to the US 2000 population and are expressed as discharges per 100,000 population. Crude rates are based on a state population of 3,596,080.

3. Hospital stay in days.

4. Charge in U.S. dollars. Charge by hospital may differ from both cost to hospital and payment to hospital.

5. *Includes* newborn, birth and pregnancy-related hospitalizations.

6. This row in part appears in table H1AA of the separate Hospitalization Report.

7. Primary diagnosis 800-909.2, 909.4, 909.9-994.9, 995.5-995.59 with first e-code E800-E869, E880-E929, excluding E849, E869.4, E870-E879, E930-E949, E967.

8. Any diagnosis 250 with a procedure code 84.1 and not having 895-897. Denominator for rate is total population, not estimated persons with diabetes.

By contrast, Healthy People 2010 objective 5-10 does not exclude ICD-9-CM 895-897 and uses an estimate of the number of people with diabetes as the denominator.

9. Any diagnosis 800-801, 803-804, 850-854.1, 959.01, or 995.55 (CDC definition at http://www.cdc.gov/traumaticbraininjury/pdf/blue_book.pdf).

10. Procedure codes 36.10-36.17, 36.19, 36.2-36.3, 36.31-36.34, 36.39.

Table CDI-2
CONNECTICUT RESIDENT HOSPITALIZATIONS, 2013
Number and Rate of Hospital Discharges
by Sex for Selected Chronic Disease Indicators

Diagnostic Group (ICD-9)	CDI ¹ Indicat	Male						Female					
		No. of Disch	Rate ²		se	Adj Rate 95% CI		No. of Disch	Rate ²		se	Adj Rate 95% CI	
		Crude	Age-Adj		Lower	Upper		Crude	Age-Adj		Lower	Upper	
Principal Diagnosis													
<i>All Discharges</i> ³		170,044	9,693.8	9,447.2	23.46	9,401.2	9,493.1	221,298	12,014.5	11,167.1	24.87	11,118.3	11,215.8
<i>Excluding newborn & pregnancy</i> ⁴		152,525	8,695.1	8,211.5	21.53	8,169.3	8,253.7	166,634	9,046.7	7,513.0	19.27	7,475.2	7,550.7
Diabetes (250)	78	3,250	185.3	174.9	3.15	168.7	181.1	2,330	126.5	112.9	2.43	108.1	117.7
Circulatory (390-459)		28,089	1,601.3	1,469.4	8.97	1,451.8	1,487.0	25,112	1,363.4	987.7	6.50	974.9	1,000.4
CHD (402, 410-4, 429.2)		6,786	386.9	341.0	4.24	332.7	349.3	3,934	213.6	156.7	2.58	151.6	161.7
Acute Myocardial Infarction (410)	49	3,665	208.9	185.5	3.14	179.3	191.6	2,402	130.4	92.2	1.95	88.3	96.0
CHF (428.0, 428.2-428.4)	50	4,856	276.8	260.5	3.80	253.1	268.0	5,197	282.1	188.3	2.73	183.0	193.7
Stroke (430-4, 436-8)	53	3,624	206.6	192.2	3.26	185.8	198.5	3,743	203.2	144.6	2.46	139.8	149.5
COPD (490-496)		4,270	243.4	233.9	3.66	226.7	241.1	6,178	335.4	278.3	3.69	271.1	285.5
Bronchitis (491)		2,518	143.5	130.7	2.66	125.4	135.9	3,383	183.7	137.1	2.42	132.3	141.8
Emphysema (492)		38	2.2	2.1	0.34	1.4	2.8	25	1.4	1.1	0.22	0.7	1.5
Asthma (493)	86	1,543	88.0	91.9	2.39	87.2	96.6	2,585	140.3	132.6	2.71	127.3	137.9
Other COPD (490,494-6)		171	9.7	9.3	0.72	7.8	10.7	185	10.0	7.5	0.58	6.4	8.7
Unintentional Injury ⁵		5,734	326.9	316.6	4.27	308.3	325.0	6,493	352.5	267.4	3.51	260.5	274.3
Any Diagnosis													
Diabetes (250)	78	32,102	1,830.1	1,667.6	9.54	1,648.9	1,686.3	32,856	1,783.8	1,407.1	8.05	1,391.4	1,422.9
Diabetes with LE Amputation ⁶	72	689	39.3	34.2	1.34	31.6	36.9	269	14.6	12.1	0.76	10.6	13.5
COPD (490-496)		26,659	1,519.8	1,428.6	8.95	1,411.1	1,446.1	38,615	2,096.4	1,768.6	9.38	1,750.2	1,787.0
Asthma (493)	86	9,752	555.9	547.3	5.67	536.2	558.4	19,859	1,078.2	1,019.0	7.49	1,004.3	1,033.7
Traumatic Brain Injury ⁷		1,733	98.8	96.3	2.36	91.7	101.0	1,191	64.7	49.6	1.52	46.6	52.6
Principal Procedure													
PCI (0.66, 17.55, 36.01-.02, 36.05)		2,869	163.6	141.4	2.71	136.1	146.7	1,245	67.6	52.1	1.52	49.1	55.1
CABG ⁸		1,129	64.4	55.7	1.70	52.4	59.1	353	19.2	15.0	0.81	13.4	16.6

1. Indicators for Chronic Disease Surveillance. MMWR no. RR-11. Sept. 10, 2004.

2. Connecticut population groupings were based on *Estimates for the July 1, 2013 United States resident population from the Vintage 2013 postcensal series by year, county, age, sex, race, and Hispanic origin*, prepared under a collaborative arrangement with the U.S. Census Bureau.

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3. *Includes* newborn, birth and pregnancy-related hospitalizations.

4. This row in part appears in table H1AA of the separate Hospitalization Report.

5. Primary diagnosis 800-909.2, 909.4, 909.9-994.9, 995.5-995.59 with first e-code E800-E869, E880-E929, excluding E849, E869.4, E870-E879, E930-E949, E967.

6. Any diagnosis 250 with a procedure code 84.1 and not having 895-897. Denominator for rate is total population, not estimated persons with diabetes.

By contrast, Healthy People 2010 objective 5-10 does not exclude ICD-9-CM 895-897 and uses an estimate of the number of people with diabetes as the denominator.

7. Any diagnosis 800-801, 803-804, 850-854.1, 959.01, or 995.55 (CDC definition at http://www.cdc.gov/traumaticbraininjury/pdf/blue_book.pdf).

8. Procedure codes 36.10-36.17, 36.19, 36.2-36.3, 36.31-36.34, 36.39.

Table CDI-3
CONNECTICUT RESIDENT HOSPITALIZATIONS, 2013
Number and Rate of Hospital Discharges
by Race-Ethnicity Groups for Selected Chronic Disease Indicators

Diagnostic Group (ICD-9)	CDI ¹ Indicat	White non-Hispanic						Black non-Hispanic						Hispanic						
		No. of Disch	Rate ²		se	Adj Rate 95% CI		No. of Disch	Rate ²		se	Adj Rate 95% CI		No. of Disch	Rate ²		se	Adj Rate 95% CI		
Principal Diagnosis																				
All Discharges ³		274,223	10,836.1	9,431.0	20	9,393	9,469	47,530	12,838.6	13,722.6	65	13,596	13,849	44,961	8,528.9	10,188.2	55	10,080	10,296	
Excluding newborn & pregnancy ⁴		235,271	9,296.9	7,156.0	16	7,125	7,187	37,911	10,240.3	11,170.4	59	11,055	11,286	31,299	5,937.3	8,134.8	52	8,032	8,237	
Diabetes (250)	78	3,042	120.2	101.1	2	97	105	1,402	378.7	408.3	11	386	430	932	176.8	234.2	9	217	251	
Circulatory (390-459)		41,767	1,650.5	1,110.6	6	1,099	1,122	5,892	1,591.5	1,849.4	25	1,801	1,898	3,533	670.2	1,209.9	22	1,166	1,254	
CHD (402, 410-4, 429.2)		8,564	338.4	229.0	3	224	234	835	225.5	256.4	9	238	274	771	146.3	259.3	10	239	279	
Acute Myocardial Infarctn (410)	49	4,906	193.9	129.3	2	126	133	436	117.8	135.2	7	122	148	454	86.1	156.3	8	141	172	
CHF(428.0, 428.2-428.4)	50	7,881	311.4	194.2	2	190	199	1,222	330.1	392.8	12	370	416	682	129.4	259.8	11	239	281	
Stroke (430-4, 436-8)	53	5,724	226.2	149.9	2	146	154	858	231.8	280.1	10	261	300	471	89.3	166.4	8	150	183	
COPD (490-496)		7,021	277.4	205.3	3	200	210	1,606	433.8	468.3	12	445	492	1,465	277.9	394.3	12	371	417	
Bronchitis (491)		4,996	197.4	133.4	2	130	137	509	137.5	165.1	8	150	180	308	58.4	117.4	7	103	132	
Emphysema (492)		45	1.8	1.4	0	1	2	13	3.5	4.3	1	2	7	data from counts less than 6 are censored						
Asthma (493)	86	1,718	67.9	63.2	2	60	66	1,039	280.7	283.7	9	266	301	1,121	212.6	264.9	9	247	282	
Other COPD (490,494-6)		262	10.4	7.3	0	6	8	45	12.2	15.1	2	11	20	33	6.3	11.4	2	7	16	
Unintentional Injury ⁵		9,758	385.6	292.0	3	286	298	856	231.2	244.0	9	227	261	1,058	200.7	252.0	9	234	270	
Any Diagnosis																				
Diabetes (250)	78	43,933	1,736.0	1,236.4	6	1,224	1,249	10,185	2,751.1	3,132.5	32	3,070	3,195	8,307	1,575.8	2,637.2	32	2,574	2,700	
Diabetes with LE Amputation ⁶	72	581	23.0	16.5	1	15	18	199	53.8	61.7	5	53	70	152	28.8	47.1	4	39	55	
COPD (490-496)		47,128	1,862.3	1,400.0	7	1,387	1,413	8,067	2,179.0	2,335.8	27	2,283	2,388	7,771	1,474.1	2,035.0	26	1,983	2,086	
Asthma (493)	86	16,439	649.6	585.7	5	576	595	5,395	1,457.3	1,476.5	21	1,436	1,517	6,176	1,171.6	1,415.3	20	1,376	1,455	
Traumatic Brain Injury ⁷		2,195	86.7	66.2	2	63	69	283	76.4	81.4	5	72	91	290	55.0	72.2	5	63	82	
Principal Procedure																				
PCI (0.66,17.55,36.01-.02,36.05)		3,244	128.2	89.6	2	86	93	298	80.5	88.3	5	78	99	315	59.8	98.0	6	86	110	
CABG ⁸		1,202	47.5	32.6	1	31	34	81	21.9	25.3	3	20	31	95	18.0	31.1	3	24	38	

1. Indicators for Chronic Disease Surveillance. MMWR no. RR-11. Sept. 10, 2004.

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3. Includes newborn, birth and pregnancy-related hospitalizations.

4. This row in part appears in table H2 of the separate Hospitalization Report.

5. Primary diagnosis 800-909.2, 909.4, 909.9-994.9, 995.5-995.59 with first e-code E800-E869, E880-E929, excluding E849, E869.4, E870-E879, E930-E949, E967.

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