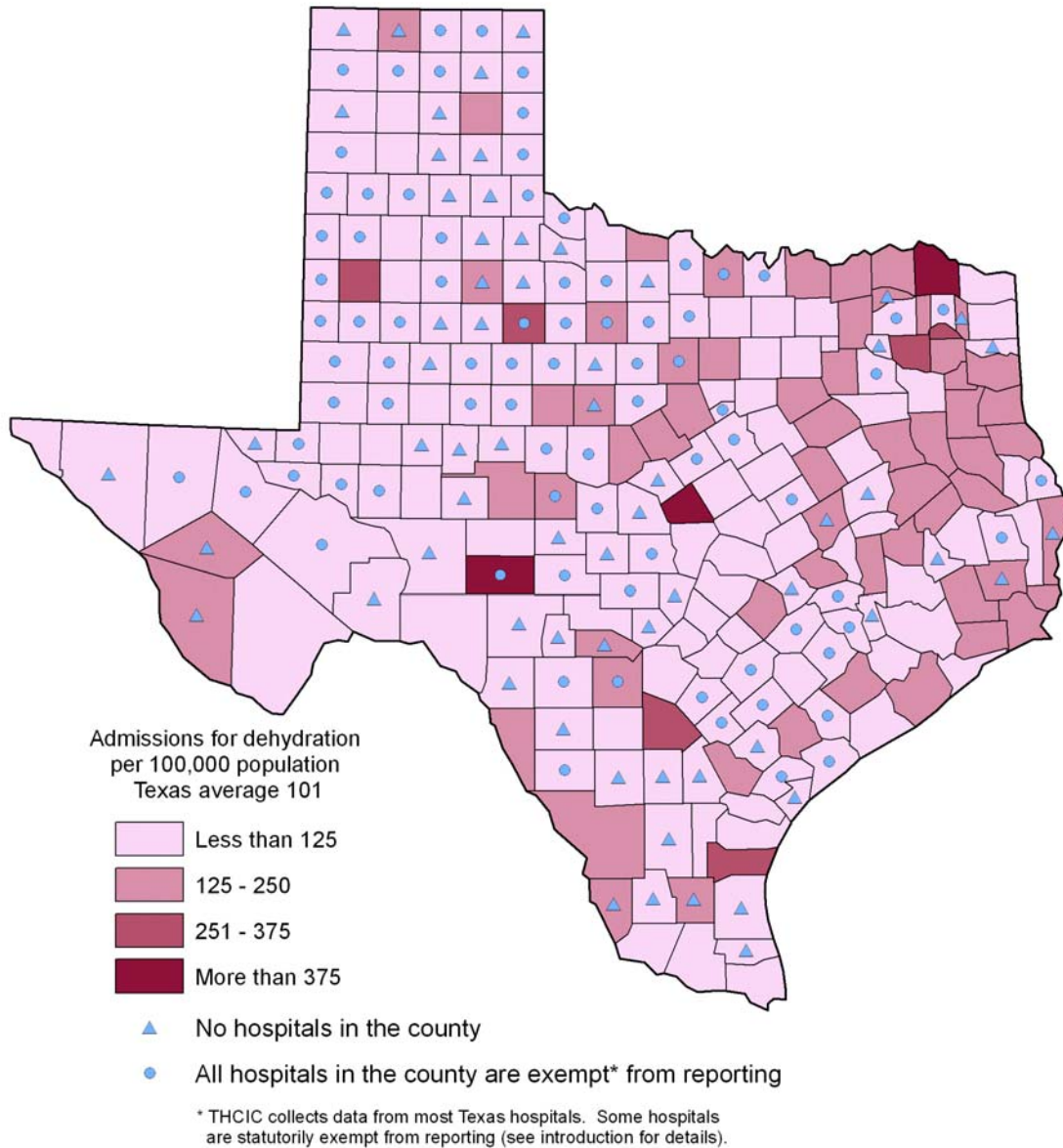


2. Dehydration

Dehydration means the body does not have enough fluid to function well. Dehydration can be caused by fluid loss (through vomiting, diarrhea, or excessive urination), inadequate intake of fluids, or a combination of both. The most common cause of dehydration in infants and children is gastroenteritis with its associated vomiting and diarrhea. Appropriate attention to the fluid status of patients at risk for dehydration can prevent dehydration.



Source: Department of State Health Services, Center for Health Statistics. *Texas Hospital Inpatient Discharge Public Use Data File, 2005.*

Table 2. Dehydration Admission Rate

Includes data from most Texas hospitals. Some hospitals are statutorily exempt from reporting to Department of State Health Services.

County	Admissions	Population	Observed Admissions per 100,000 Population	Expected Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	15,963	16,501,931	96.73	116.56	101.38	
Anderson	61	45,261	134.77	121.83	135.12**	(103.0, 167.3)
Andrews	Less Than 5					
Angelina	108	60,254	179.24	139.91	156.49**	(130.5, 182.5)
Aransas	26	19,078	136.28	180.79	92.08	(51.44, 132.7)
Archer	6	7,091	84.61	138.20	74.79	(0.00, 151.1)
Armstrong	Less Than 5					
Atascosa	97	30,686	316.11	124.99	308.93**	(270.4, 347.5)
Austin	14	19,570	71.54	155.50	56.20*	(12.93, 99.46)
Bailey	Less Than 5					
Bandera	27	15,486	174.35	150.17	141.82	(92.30, 191.3)
Bastrop	64	51,151	125.12	114.08	133.98**	(102.7, 165.2)
Baylor	Less Than 5					
Bee	41	26,360	155.54	109.15	174.06**	(129.6, 218.6)
Bell	147	175,017	83.99	114.78	89.39	(72.54, 106.2)
Bexar	942	1,092,266	86.24	121.62	86.62*	(80.07, 93.17)
Blanco	Less Than 5					
Borden	Less Than 5					
Bosque	8	14,055	56.92	191.19	36.37*	(0.00, 82.39)
Bowie	93	69,675	133.48	142.84	114.14	(90.22, 138.1)
Brazoria	220	199,288	110.39	104.77	128.70**	(112.2, 145.2)
Brazos	84	124,256	67.60	88.53	93.28	(70.51, 116.0)
Brewster	9	7,357	122.33	137.85	108.40	(33.43, 183.4)
Briscoe	Less Than 5					
Brooks	17	5,509	308.59	157.21	239.76**	(158.6, 320.9)
Brown	51	29,107	175.22	163.43	130.96	(96.35, 165.6)
Burleson	23	13,003	176.88	163.90	131.82	(80.12, 183.5)
Burnet	20	31,775	62.94	183.03	42.01*	(10.71, 73.30)
Caldwell	10	26,939	37.12	130.85	34.65*	(0.00, 74.86)
Calhoun	9	15,022	59.91	140.93	51.93	(0.03, 103.8)
Callahan	19	10,446	181.89	163.93	135.53	(77.84, 193.2)
Cameron	207	249,884	82.84	129.72	78.00*	(64.74, 91.26)
Camp	39	8,877	439.34	159.61	336.22**	(272.8, 399.6)
Carson	Less Than 5					
Cass	32	23,437	136.54	178.42	93.48	(56.57, 130.4)
Castro	Less Than 5					
Chambers	25	21,167	118.11	104.86	137.58	(86.88, 188.3)
Cherokee	63	36,027	174.87	153.85	138.84**	(106.8, 170.9)
Childress	Less Than 5					
Clay	Less Than 5					
Cochran	Less Than 5					
Coke	Less Than 5					
Coleman	11	6,904	159.33	219.06	88.84	(27.50, 150.2)
Collin	331	460,207	71.92	84.38	104.12	(91.99, 116.2)
Collingsworth	5	2,340	213.68	212.67	122.73	(15.79, 229.7)
Colorado	6	16,002	37.50	181.86	25.19*	(0.00, 69.42)
Comal	74	71,006	104.22	144.87	87.87	(64.33, 111.4)

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

Table 2. Dehydration Admission Rate (cont'd)

County	Admissions	Population	Observed Admissions per 100,000 Population	Expected Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	15,963	16,501,931	96.73	116.56	101.38	
Comanche	38	10,508	361.63	196.04	225.33	(172.8, 277.9)
Concho	6	3,261	183.99	128.08	175.48	(58.69, 292.3)
Cooke	19	29,069	65.36	153.07	52.16	(16.38, 87.94)
Coryell	39	56,205	69.39	84.30	100.54	(65.84, 135.2)
Cottle	Less Than 5					
Crane	Less Than 5					
Crockett	Less Than 5					
Crosby	7	4,815	145.38	173.37	102.43	(19.83, 185.0)
Culberson	Less Than 5					
Dallam	5	4,342	115.15	124.28	113.18	(10.39, 216.0)
Dallas	1,306	1,666,566	78.36	104.18	91.88	(86.15, 97.61)
Dawson	6	11,076	54.17	147.42	44.89	(0.00, 104.0)
Deaf Smith	5	12,689	39.40	140.85	34.17	(0.00, 90.64)
Delta	11	4,279	257.07	164.47	190.92	(101.0, 280.9)
Denton	294	391,729	75.05	78.64	116.58	(103.0, 130.2)
De Witt	12	16,112	74.48	177.02	51.39	(6.71, 96.07)
Dickens	6	2,253	266.31	171.74	189.42	(68.15, 310.7)
Dimmit	Less Than 5					
Donley	Less Than 5					
Duval	7	9,317	75.13	153.70	59.71	(0.00, 122.8)
Eastland	11	14,523	75.74	190.26	48.63	(3.23, 94.02)
Ector	103	89,041	115.68	125.48	112.60	(90.01, 135.2)
Edwards	Less Than 5					
Ellis	114	94,353	120.82	112.02	131.74	(108.5, 155.0)
El Paso	470	496,822	94.60	120.17	96.16	(86.39, 105.9)
Erath	44	26,212	167.86	143.52	142.86	(104.0, 181.8)
Falls	12	13,251	90.56	174.34	63.45	(13.81, 113.1)
Fannin	48	25,857	185.64	158.53	143.04	(105.8, 180.3)
Fayette	6	17,871	33.57	208.51	19.67	(0.00, 58.75)
Fisher	Less Than 5					
Floyd	Less Than 5					
Foard	Less Than 5					
Fort Bend	225	323,125	69.63	86.69	98.12	(83.84, 112.4)
Franklin	22	7,985	275.52	168.64	199.56	(134.5, 264.6)
Freestone	22	14,739	149.26	153.62	118.69	(68.53, 168.8)
Frio	Less Than 5					
Gaines	Less Than 5					
Galveston	253	204,871	123.49	121.98	123.67	(108.6, 138.8)
Garza	Less Than 5					
Gillespie	5	18,299	27.32	225.64	14.79	(0.00, 51.92)
Glasscock	Less Than 5					
Goliad	5	5,559	89.94	167.85	65.46	(0.00, 143.6)
Gonzales	Less Than 5					
Gray	35	16,764	208.78	182.18	139.99	(96.81, 183.2)
Grayson	223	89,043	250.44	154.31	198.24	(177.9, 218.6)
Gregg	175	85,788	203.99	141.33	176.30	(154.6, 198.0)

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** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

Table 2. Dehydration Admission Rate (cont'd)

County	Admissions	Population	Observed Admissions per 100,000 Population	Expected Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	15,963	16,501,931	96.73	116.56	101.38	
Grimes	55	19,655	279.83	137.72	248.19	(202.3, 294.1)
Guadalupe	83	74,721	111.08	127.29	106.59	(82.11, 131.1)
Hale	33	25,744	128.19	144.03	108.71	(69.52, 147.9)
Hall	Less Than 5					
Hamilton	8	6,388	125.23	218.85	69.90	(6.11, 133.7)
Hansford	Less Than 5					
Hardeman	Less Than 5					
Hardin	90	38,176	235.75	131.34	219.26	(185.5, 253.0)
Harris	2,040	2,632,813	77.48	98.49	96.10	(91.41, 100.8)
Harrison	76	47,735	159.21	138.20	140.72	(111.3, 170.1)
Hartley	Less Than 5					
Haskell	Less Than 5					
Hays	58	92,698	62.57	93.92	81.38	(55.78, 107.0)
Hemphill	Less Than 5					
Henderson	90	61,565	146.19	161.91	110.29	(86.38, 134.2)
Hidalgo	290	433,294	66.93	119.23	68.57	(58.07, 79.08)
Hill	42	26,862	156.35	164.52	116.08	(80.18, 152.0)
Hockley	49	16,910	289.77	137.05	258.27	(208.7, 307.9)
Hood	49	36,742	133.36	161.00	101.18	(70.14, 132.2)
Hopkins	11	25,281	43.51	152.71	34.80	(0.00, 73.22)
Houston	40	18,513	216.06	175.34	150.52	(108.6, 192.4)
Howard	38	25,582	148.54	145.88	124.38	(85.30, 163.5)
Hudspeth	Less Than 5					
Hunt	120	62,074	193.32	130.72	180.64	(154.1, 207.1)
Hutchinson	6	17,004	35.29	159.97	26.94	(0.00, 72.71)
Irion	Less Than 5					
Jack	Less Than 5					
Jackson	14	10,866	128.84	160.38	98.13	(40.96, 155.3)
Jasper	41	26,996	151.87	149.05	124.47	(86.83, 162.1)
Jeff Davis	5	1,791	279.17	168.66	202.19	(64.84, 339.5)
Jefferson	311	188,775	164.75	144.50	139.27	(124.8, 153.7)
Jim Hogg	6	3,654	164.20	170.12	117.91	(22.19, 213.6)
Jim Wells	27	29,243	92.33	135.17	83.43	(45.46, 121.4)
Johnson	96	106,780	89.90	111.59	98.41	(76.53, 120.3)
Jones	8	16,216	49.33	132.96	45.32	(0.00, 96.73)
Karnes	Less Than 5					
Kaufman	91	63,271	143.83	114.38	153.60	(125.5, 181.7)
Kendall	19	20,816	91.28	140.63	79.28	(35.15, 123.4)
Kenedy	Less Than 5					
Kent	Less Than 5					
Kerr	53	36,392	145.64	224.53	79.23	(52.84, 105.6)
Kimble	Less Than 5					
King	Less Than 5					
Kinney	Less Than 5					
Kleberg	74	23,524	314.57	122.45	313.79	(269.3, 358.3)
Knox	Less Than 5					

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** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

Table 2. Dehydration Admission Rate (cont'd)

County	Admissions	Population	Observed Admissions per 100,000 Population	Expected Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	15,963	16,501,931	96.73	116.56	101.38	
Lamar	92	37,728	243.85	168.11	177.18	(147.2, 207.1)
Lamb	10	10,634	94.04	179.22	64.09	(9.44, 118.7)
Lampasas	71	15,662	453.33	142.41	388.85	(338.3, 439.4)
La Salle	Less Than 5					
Lavaca	21	14,852	141.40	213.06	81.06	(38.66, 123.5)
Lee	7	12,291	56.95	155.04	44.87	(0.00, 99.54)
Leon	21	12,690	165.48	179.69	112.50	(62.51, 162.5)
Liberty	102	55,891	182.50	116.12	191.98	(162.3, 221.6)
Limestone	34	17,400	195.40	154.67	154.32	(108.3, 200.3)
Lipscomb	Less Than 5					
Live Oak	9	9,489	94.85	159.80	72.50	(11.21, 133.8)
Llano	12	15,496	77.44	240.69	39.30	(0.23, 78.37)
Loving	Less Than 5					
Lubbock	159	190,605	83.42	123.76	82.33	(66.79, 97.88)
Lynn	Less Than 5					
McCulloch	5	6,165	81.10	188.09	52.67	(0.00, 122.7)
McClennan	112	167,237	66.97	138.62	59.01	(43.34, 74.69)
McMullen	Less Than 5					
Madison	15	10,658	140.74	139.83	122.94	(61.13, 184.8)
Marion	14	8,869	157.85	175.46	109.89	(49.38, 170.4)
Martin	Less Than 5					
Mason	Less Than 5					
Matagorda	29	27,739	104.55	138.21	92.40	(53.84, 131.0)
Maverick	59	33,257	177.41	123.57	175.37	(138.1, 212.6)
Medina	48	31,593	151.93	135.87	136.59	(100.1, 173.0)
Menard	Less Than 5					
Midland	67	87,632	76.46	132.96	70.24	(48.12, 92.36)
Milam	32	18,833	169.91	170.96	121.40	(79.35, 163.5)
Mills	Less Than 5					
Mitchell	Less Than 5					
Montague	35	15,260	229.36	183.91	152.33	(107.3, 197.4)
Montgomery	223	267,434	83.39	104.83	97.17	(82.90, 111.4)
Moore	15	13,806	108.65	121.90	108.87	(50.67, 167.1)
Morris	23	10,212	225.23	176.60	155.79	(99.58, 212.0)
Motley	Less Than 5					
Nacogdoches	125	46,556	268.49	131.45	249.50	(219.0, 280.0)
Navarro	61	35,982	169.53	148.04	139.89	(107.2, 172.6)
Newton	17	11,138	152.63	140.26	132.92	(72.50, 193.3)
Nolan	11	11,298	97.36	173.58	68.52	(14.63, 122.4)
Nueces	225	233,894	96.20	128.37	91.53	(77.75, 105.3)
Ochiltree	Less Than 5					
Oldham	Less Than 5					
Orange	160	64,242	249.06	135.83	223.98	(198.4, 249.5)
Palo Pinto	44	20,846	211.07	162.40	158.76	(117.7, 199.8)
Panola	39	17,781	219.34	161.78	165.60	(121.1, 210.1)
Parker	109	76,555	142.38	116.79	148.92	(123.7, 174.2)

* Risk adjusted admission rate is significantly LOWER (based on 99% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

Table 2. Dehydration Admission Rate (cont'd)

County	Admissions	Population	Observed Admissions per 100,000 Population	Expected Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	15,963	16,501,931	96.73	116.56	101.38	
Parmer	Less Than 5					
Pecos	6	12,212	49.13	120.01	50.01	(0.00, 112.4)
Polk	59	36,956	159.65	172.77	112.87	(83.00, 142.7)
Potter	93	85,892	108.28	133.24	99.27	(76.95, 121.6)
Presidio	10	5,325	187.79	168.49	136.14	(56.46, 215.8)
Rains	7	8,875	78.87	154.00	62.56	(0.00, 127.1)
Randall	78	83,576	93.33	124.12	91.85	(68.40, 115.3)
Reagan	Less Than 5					
Real	Less Than 5					
Red River	66	10,730	615.10	191.49	392.37	(339.7, 445.0)
Reeves	6	8,676	69.16	146.64	57.61	(0.00, 124.5)
Refugio	5	5,871	85.16	165.10	63.01	(0.00, 139.7)
Roberts	Less Than 5					
Robertson	32	11,902	268.86	172.68	190.19	(137.5, 242.8)
Rockwall	38	43,146	88.07	102.49	104.97	(69.04, 140.9)
Runnels	13	8,273	157.14	198.51	96.69	(37.82, 155.6)
Rusk	75	37,363	200.73	155.84	157.34	(126.1, 188.6)
Sabine	17	8,437	201.49	204.53	120.34	(62.88, 177.8)
San Augustine	15	7,035	213.22	211.14	123.35	(61.45, 185.3)
San Jacinto	16	19,192	83.37	145.44	70.02	(24.82, 115.2)
San Patricio	45	48,607	92.58	124.61	90.75	(60.07, 121.4)
San Saba	6	4,590	130.72	190.79	83.69	(3.06, 164.3)
Schleicher	Less Than 5					
Scurry	Less Than 5					
Shackelford	Less Than 5					
Shelby	47	19,651	239.17	160.37	182.17	(139.7, 224.7)
Sherman	5	2,225	224.72	144.69	189.71	(56.68, 322.7)
Smith	170	140,371	121.11	147.56	100.26	(83.67, 116.8)
Somervell	Less Than 5					
Starr	21	38,568	54.45	118.78	55.99	(20.71, 91.27)
Stephens	5	7,501	66.66	168.36	48.36	(0.00, 115.5)
Sterling	Less Than 5					
Stonewall	7	1,156	605.54	249.16	296.86	(156.4, 437.4)
Sutton	13	3,043	427.21	132.24	394.63	(275.6, 513.7)
Swisher	5	5,825	85.84	166.01	63.16	(0.00, 139.9)
Tarrant	773	1,160,170	66.63	104.52	77.87	(71.01, 84.73)
Taylor	140	93,623	149.54	139.65	130.79	(109.9, 151.7)
Terrell	Less Than 5					
Terry	6	9,336	64.27	158.85	49.42	(0.00, 111.4)
Throckmorton	4	1,280	312.50	210.35	181.47	(36.07, 326.9)
Titus	16	20,654	77.47	140.33	67.43	(23.10, 111.8)
Tom Green	128	78,631	162.79	148.77	133.66	(111.6, 155.7)
Travis	272	665,736	40.86	90.24	55.30	(45.56, 65.05)
Trinity	36	11,378	316.40	194.57	198.64	(147.9, 249.4)
Tyler	21	16,610	126.43	162.57	94.99	(49.06, 140.9)
Upshur	54	28,614	188.72	148.12	155.64	(119.0, 192.3)

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** Risk adjusted admission rate is significantly HIGHER (based on 99% confidence interval) than Texas average.

Table 2. Dehydration Admission Rate (cont'd)

County	Admissions	Population	Observed Admissions per 100,000 Population	Expected Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	15,963	16,501,931	96.73	116.56	101.38	
Upton	Less Than 5					
Uvalde	Less Than 5					
Val Verde	35	33,245	105.28	143.17	89.82	(55.22, 124.4)
Van Zandt	37	40,144	92.17	160.93	69.96*	(40.26, 99.66)
Victoria	170	62,976	269.94	138.73	237.69**	(212.1, 263.2)
Walker	55	52,064	105.64	98.21	131.39	(97.99, 164.8)
Waller	8	26,459	30.24	109.61	33.70*	(0.00, 78.04)
Ward	9	7,542	119.33	159.13	91.60	(22.69, 160.5)
Washington	10	24,315	41.13	167.30	30.03*	(0.00, 67.44)
Webb	245	140,556	174.31	106.49	199.94**	(180.4, 219.5)
Wharton	63	30,753	204.86	149.26	167.65**	(132.4, 202.9)
Wheeler	Less Than 5					
Wichita	195	96,651	201.76	136.85	180.09**	(159.3, 200.8)
Wilbarger	Less Than 5					
Willacy	8	14,289	55.99	133.77	51.12	(0.00, 105.7)
Williamson	115	230,561	49.88	98.86	61.63*	(45.81, 77.45)
Wilson	25	27,537	90.79	124.90	88.79	(48.07, 129.5)
Winkler	Less Than 5	4,993				(0.00, 100.1)
Wise	11	41,790	26.32	115.24	27.90*	(0.00, 62.32)
Wood	133	32,512	409.08	178.68	279.67**	(248.3, 311.0)
Yoakum	Less Than 5					
Young	11	13,926	78.99	188.19	51.27*	(4.66, 97.88)
Zapata	24	9,081	264.29	151.45	213.16**	(148.8, 277.5)
Zavala	Less Than 5					

Source: *Texas Hospital Inpatient Discharge Public Use Data File, 2005*. Texas Department of State Health Services, Center for Health Statistics, Austin, Texas. 2006.

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