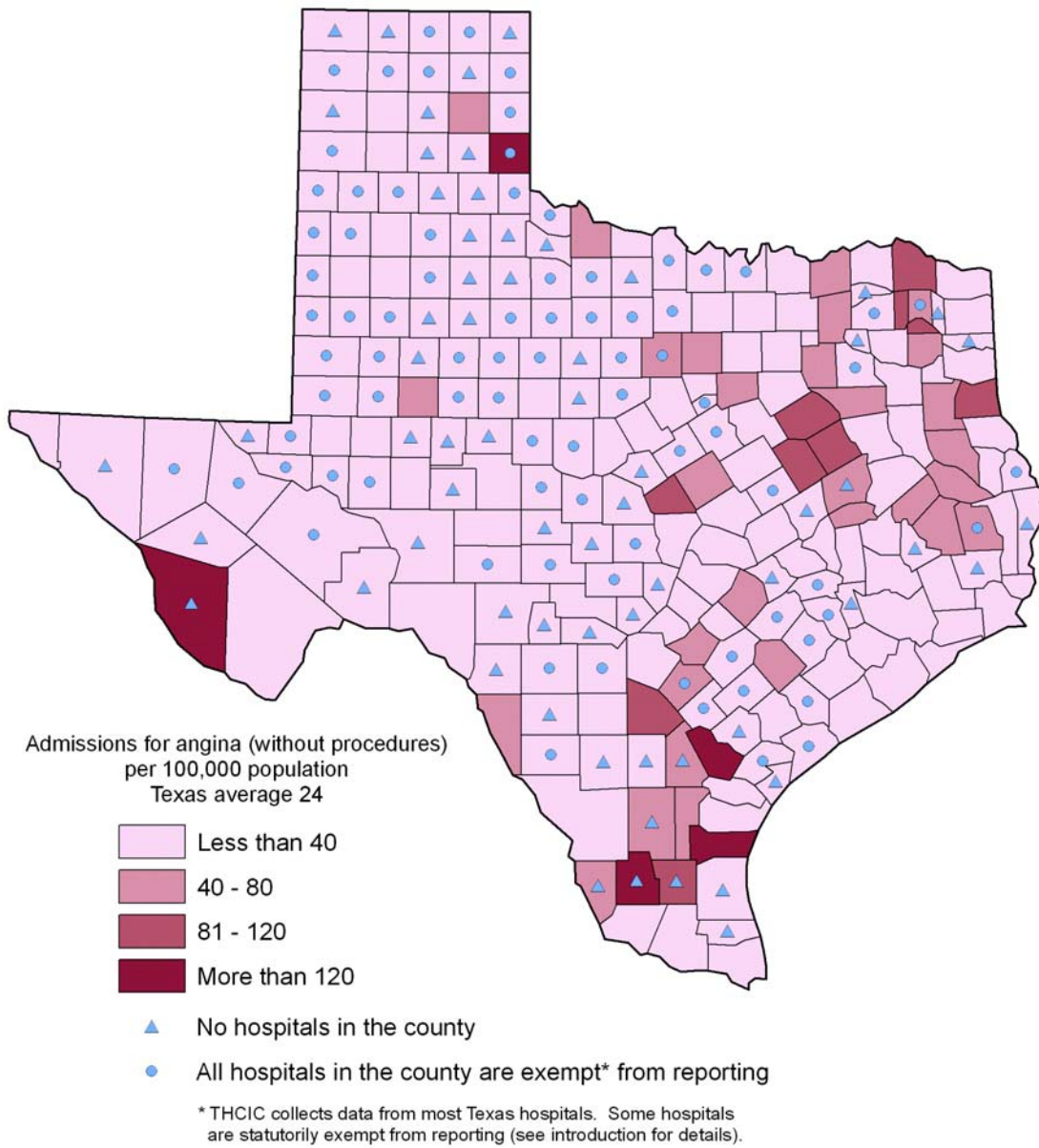


## 6. Angina (without procedures)

Angina is a term for the discomfort felt when a blockage in a coronary artery prevents enough oxygen-rich blood from reaching part of the heart. In some people, this discomfort manifests not as pain, but as a sensation of tightness or heaviness across the chest. Commonly a person recognizes that he or she is having angina only after several episodes have occurred and a pattern has evolved. The level of activity or stress that provokes an individual patient's angina is somewhat predictable, and the pattern changes only slowly. This is "stable" angina, the most common variety. This type of angina can be effectively controlled by medications, which relieve pain by widening blood vessels.



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

**Table 6. Angina (without procedures) 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	4,042	16,501,931	24.49	46.08	24.20	
Anderson	17	45,261	37.56	46.27	36.96	(17.47, 56.45)
Andrews	Less Than 5					
Angelina	45	60,254	74.68	52.33	64.98**	(49.10, 80.87)
Aransas	6	19,078	31.45	65.21	21.96	(0.00, 47.25)
Archer	Less Than 5					
Armstrong	Less Than 5					
Atascosa	27	30,686	87.99	48.62	82.39**	(59.30, 105.5)
Austin	Less Than 5					
Bailey	Less Than 5					
Bandera	Less Than 5					
Bastrop	22	51,151	43.01	47.08	41.59	(23.42, 59.77)
Baylor	Less Than 5					
Bee	44	26,360	166.92	40.85	186.06**	(158.9, 213.2)
Bell	56	175,017	32.00	43.13	33.78	(23.51, 44.05)
Bexar	302	1,092,266	27.65	46.79	26.91	(22.96, 30.85)
Blanco	Less Than 5					
Borden	Less Than 5					
Bosque	Less Than 5					
Bowie	10	69,675	14.35	52.79	12.38	(0.00, 27.09)
Brazoria	66	199,288	33.12	45.12	33.42	(24.02, 42.83)
Brazos	18	124,256	14.49	30.89	21.36	(6.96, 35.75)
Brewster	Less Than 5					
Briscoe	Less Than 5					
Brooks	7	5,509	127.06	58.58	98.75**	(49.10, 148.4)
Brown	12	29,107	41.23	57.42	32.69	(10.87, 54.51)
Burleson	5	13,003	38.45	58.49	29.93	(0.00, 62.28)
Burnet	Less Than 5					
Caldwell	Less Than 5					
Calhoun	Less Than 5					
Callahan	Less Than 5					
Cameron	34	249,884	13.61	47.23	13.12*	(4.91, 21.33)
Camp	11	8,877	123.92	58.31	96.76**	(57.55, 136.0)
Carson	Less Than 5					
Cass	Less Than 5					
Castro	Less Than 5					
Chambers	Less Than 5					
Cherokee	17	36,027	47.19	54.87	39.15	(19.09, 59.21)
Childress	Less Than 5					
Clay	Less Than 5					
Cochran	Less Than 5					
Coke	Less Than 5					
Coleman	Less Than 5					
Collin	45	460,207	9.78	39.49	11.27*	(4.66, 17.89)
Collingsworth	5	2,340	213.68	67.55	144.04**	(73.09, 215.0)
Colorado	Less Than 5					
Comal	21	71,006	29.57	54.72	24.61	(10.30, 38.92)

\* 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 6. Angina (without procedures) 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	4,042	16,501,931	24.49	46.08	24.20	
Comanche	Less Than 5	10,508				(0.00, 47.14)
Concho	Less Than 5	3,261				(0.00, 101.9)
Cooke	9	29,069	30.96	55.48	25.41	(3.20, 47.62)
Coryell	29	56,205	51.60	32.28	72.78**	(51.84, 93.73)
Cottle	Less Than 5	1,364				(0.00, 88.24)
Crane	Less Than 5	2,798				(0.00, 103.0)
Crockett	Less Than 5	2,972				(0.00, 67.99)
Crosby	Less Than 5	4,815				(0.00, 83.07)
Culberson	Less Than 5	1,953				(0.00, 128.3)
Dallam	Less Than 5	4,342				(0.00, 61.08)
Dallas	251	1,666,566	15.06	42.70	16.06*	(12.72, 19.40)
Dawson	Less Than 5	11,076				(0.00, 67.76)
Deaf Smith	Less Than 5	12,689				(0.00, 34.72)
Delta	Less Than 5	4,279				(0.00, 93.09)
Denton	41	391,729	10.47	36.59	13.02*	(5.57, 20.48)
De Witt	Less Than 5	16,112				(0.00, 28.59)
Dickens	Less Than 5	2,253				(0.00, 80.19)
Dimmit	Less Than 5	7,162				(0.00, 45.82)
Donley	Less Than 5	3,169				(0.00, 62.69)
Duval	7	9,317	75.13	55.01	62.18	(22.79, 101.6)
Eastland	Less Than 5	14,523				(0.00, 34.15)
Ector	22	89,041	24.71	48.97	22.97	(9.46, 36.48)
Edwards	Less Than 5	1,485				(0.00, 98.14)
Ellis	27	94,353	28.62	45.71	28.51	(14.92, 42.09)
El Paso	67	496,822	13.49	46.53	13.20*	(7.33, 19.06)
Erath	6	26,212	22.89	48.81	21.35	(0.00, 46.29)
Falls	Less Than 5	13,251				(0.00, 43.82)
Fannin	21	25,857	81.22	56.20	65.79**	(42.40, 89.19)
Fayette	Less Than 5	17,871				(0.00, 25.90)
Fisher	Less Than 5	3,268				(0.00, 78.45)
Floyd	Less Than 5	5,215				(0.00, 50.15)
Foard	Less Than 5	1,203				(0.00, 97.02)
Fort Bend	51	323,125	15.78	40.97	17.54	(9.79, 25.30)
Franklin	12	7,985	150.28	60.23	113.60**	(72.93, 154.3)
Freestone	15	14,739	101.77	55.08	84.13**	(52.82, 115.4)
Frio	Less Than 5	12,097				(0.00, 69.23)
Gaines	Less Than 5	9,973				(0.00, 59.19)
Galveston	43	204,871	20.99	49.80	19.19	(10.36, 28.02)
Garza	Less Than 5	3,689				(0.00, 63.90)
Gillespie	Less Than 5	18,299				(0.00, 34.94)
Glasscock	Less Than 5	957				(0.00, 210.5)
Goliad	Less Than 5	5,559				(5.39, 102.5)
Gonzales	Less Than 5	14,299				(0.00, 36.66)
Gray	15	16,764	89.48	61.02	66.76**	(38.88, 94.65)
Grayson	16	89,043	17.97	55.60	14.72	(2.04, 27.39)
Gregg	22	85,788	25.64	52.44	22.26	(8.97, 35.56)

\* 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 6. Angina (without procedures) 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					

\* 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 6. Angina (without procedures) 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	4,042	16,501,931	24.49	46.08	24.20	
Lamar	14	37,728	37.11	57.94	29.16	(10.08, 48.24)
Lamb	Less Than 5					
Lampasas	17	15,662	108.54	52.31	94.47**	(63.31, 125.6)
La Salle	Less Than 5					
Lavaca	15	14,852	101.00	67.62	68.01**	(39.86, 96.15)
Lee	Less Than 5					
Leon	12	12,690	94.56	63.95	67.33**	(36.02, 98.64)
Liberty	18	55,891	32.21	46.86	31.29	(13.86, 48.72)
Limestone	22	17,400	126.44	55.44	103.84**	(75.12, 132.6)
Lipscomb	Less Than 5					
Live Oak	7	9,489	73.77	58.61	57.31	(19.49, 95.14)
Llano	Less Than 5					
Loving	Less Than 5					
Lubbock	35	190,605	18.36	45.39	18.42	(8.83, 28.01)
Lynn	Less Than 5					
McCulloch	Less Than 5					
McClennan	20	167,237	11.96	48.83	11.15*	(1.28, 21.02)
McMullen	Less Than 5					
Madison	6	10,658	56.30	47.93	53.48	(14.02, 92.95)
Marion	Less Than 5					
Martin	Less Than 5					
Mason	Less Than 5					
Matagorda	9	27,739	32.45	53.40	27.67	(4.49, 50.84)
Maverick	14	33,257	42.10	47.19	40.62	(18.10, 63.13)
Medina	6	31,593	18.99	51.10	16.92	(0.00, 39.12)
Menard	Less Than 5					
Midland	10	87,632	11.41	51.04	10.18*	(0.00, 23.52)
Milam	5	18,833	26.55	59.22	20.41	(0.00, 47.12)
Mills	Less Than 5					
Mitchell	Less Than 5					
Montague	7	15,260	45.87	64.30	32.48	(4.01, 60.96)
Montgomery	41	267,434	15.33	45.57	15.32*	(7.24, 23.40)
Moore	Less Than 5					
Morris	Less Than 5					
Motley	Less Than 5					
Nacogdoches	23	46,556	49.40	46.17	48.72**	(29.48, 67.96)
Navarro	34	35,982	94.49	52.41	82.08**	(61.54, 102.6)
Newton	Less Than 5					
Nolan	Less Than 5					
Nueces	45	233,894	19.24	49.97	17.53	(9.28, 25.78)
Ochiltree	Less Than 5					
Oldham	Less Than 5					
Orange	25	64,242	38.92	53.76	32.96	(17.78, 48.14)
Palo Pinto	20	20,846	95.94	58.79	74.31**	(48.83, 99.79)
Panola	22	17,781	123.73	58.56	96.20**	(68.56, 123.8)
Parker	56	76,555	73.15	49.24	67.64**	(53.11, 82.17)

\* 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 6. Angina (without procedures) 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	4,042	16,501,931	24.49	46.08	24.20	
Parmer	Less Than 5					
Pecos	Less Than 5					
Polk	21	36,956	56.82	60.25	42.95	(24.04, 61.85)
Potter	21	85,892	24.45	48.42	22.99	(9.16, 36.82)
Presidio	10	5,325	187.79	58.77	145.48**	(95.06, 195.9)
Rains	Less Than 5					
Randall	18	83,576	21.54	49.41	19.85	(5.97, 33.73)
Reagan	Less Than 5					
Real	Less Than 5					
Red River	16	10,730	149.11	64.12	105.88**	(71.88, 139.9)
Reeves	Less Than 5					
Refugio	Less Than 5					
Roberts	Less Than 5					
Robertson	Less Than 5					
Rockwall	9	43,146	20.86	44.79	21.21	(0.91, 41.50)
Runnels	Less Than 5					
Rusk	25	37,363	66.91	56.18	54.23**	(34.76, 73.70)
Sabine	Less Than 5					
San Augustine	Less Than 5					
San Jacinto	5	19,192	26.05	57.60	20.59	(0.00, 47.42)
San Patricio	18	48,607	37.03	49.43	34.11	(15.91, 52.31)
San Saba	Less Than 5					
Schleicher	Less Than 5					
Scurry	Less Than 5					
Shackelford	Less Than 5					
Shelby	7	19,651	35.62	56.51	28.70	(1.93, 55.46)
Sherman	Less Than 5					
Smith	31	140,371	22.08	53.61	18.76	(8.47, 29.04)
Somervell	Less Than 5					
Starr	14	38,568	36.30	44.54	37.11	(15.59, 58.63)
Stephens	Less Than 5					
Sterling	Less Than 5					
Stonewall	Less Than 5					
Sutton	Less Than 5					
Swisher	Less Than 5					
Tarrant	372	1,160,170	32.06	43.72	33.39**	(29.43, 37.35)
Taylor	25	93,623	26.70	49.84	24.39	(11.34, 37.45)
Terrell	Less Than 5					
Terry	Less Than 5					
Throckmorton	Less Than 5					
Titus	12	20,654	58.10	50.36	52.53**	(24.87, 80.18)
Tom Green	9	78,631	11.45	52.35	9.96*	(0.00, 23.86)
Travis	41	665,736	6.16	37.95	7.39*	(1.78, 13.00)
Trinity	8	11,378	70.31	67.01	47.78	(15.47, 80.08)
Tyler	17	16,610	102.35	58.92	79.09**	(50.58, 107.6)
Upshur	19	28,614	66.40	56.58	53.44**	(31.27, 75.60)

\* 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 6. Angina (without procedures) 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	4,042	16,501,931	24.49	46.08	24.20	
Upton	Less Than 5					
Uvalde	Less Than 5					
Val Verde	11	33,245	33.09	52.42	28.74	(7.37, 50.11)
Van Zandt	7	40,144	17.44	59.08	13.44	(0.00, 31.75)
Victoria	18	62,976	28.58	52.73	24.68	(9.20, 40.16)
Walker	16	52,064	30.73	38.44	36.40	(16.46, 56.34)
Waller	Less Than 5					
Ward	Less Than 5					
Washington	Less Than 5					
Webb	35	140,556	24.90	40.85	27.75	(15.98, 39.53)
Wharton	5	30,753	16.26	54.52	13.58	(0.00, 35.36)
Wheeler	Less Than 5					
Wichita	25	96,651	25.87	49.88	23.61	(10.76, 36.46)
Wilbarger	7	10,467	66.88	57.12	53.31	(16.83, 89.79)
Willacy	Less Than 5					
Williamson	21	230,561	9.11	41.31	10.04*	(0.90, 19.18)
Wilson	15	27,537	54.47	50.33	49.28**	(25.32, 73.24)
Winkler	Less Than 5					
Wise	8	41,790	19.14	48.46	17.99	(0.00, 37.81)
Wood	11	32,512	33.83	63.33	24.32	(4.67, 43.98)
Yoakum	Less Than 5					
Young	Less Than 5					
Zapata	8	9,081	88.10	52.09	77.00**	(35.99, 118.0)
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.

\* 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.