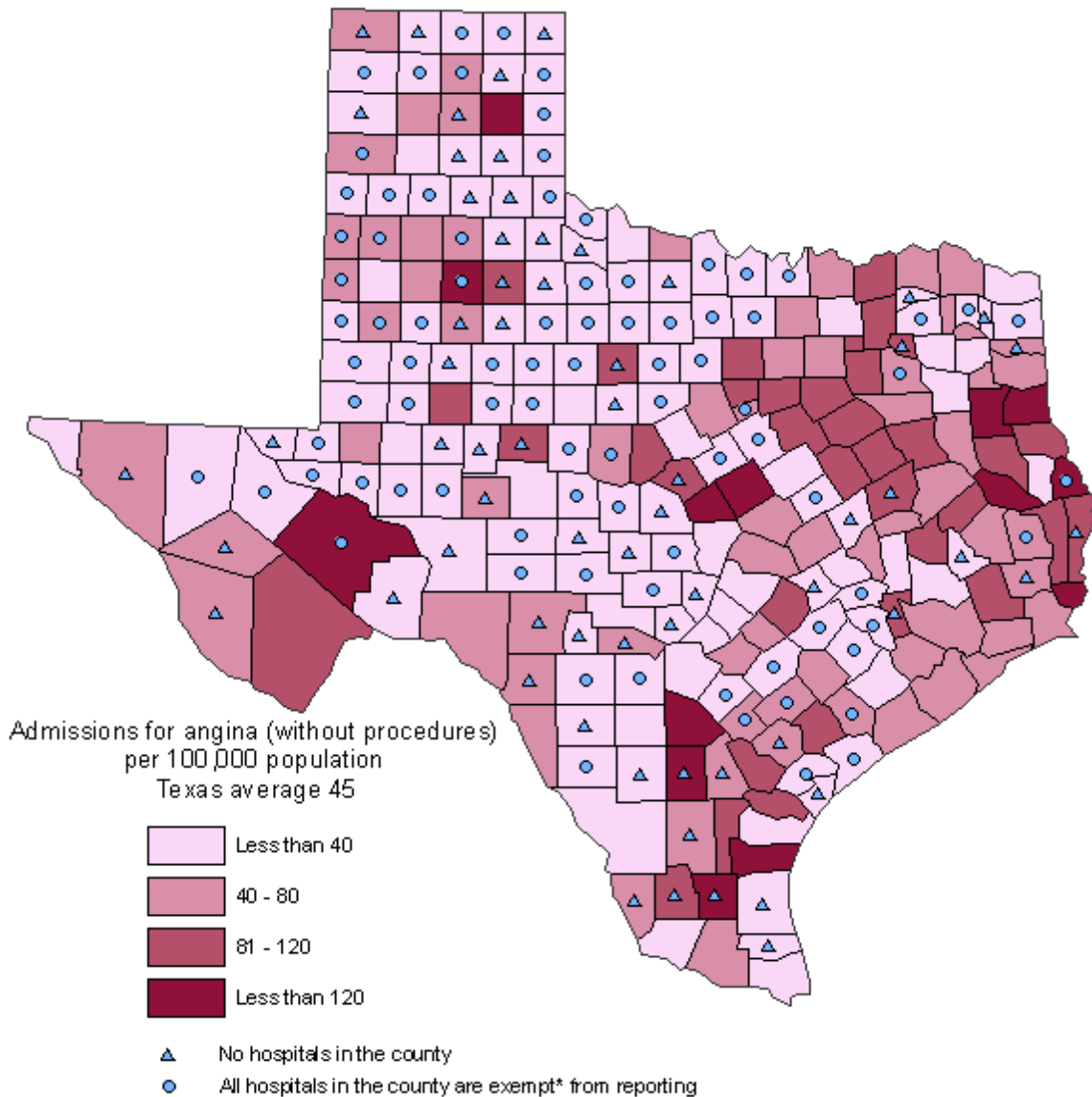## 7. Angina (without procedures)

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.

Admissions for angina (without procedures)
per 100,000 population
Texas average 45

	Less than 40
	40 - 80
	81 - 120
	Less than 120

△   No hospitals in the county

◦   All hospitals in the county are exempt* from reporting

*THCIC collects data from most Texas hospitals. Some hospitals are statutorily exempt from reporting (see introduction for details).

Source: Department of State Health Services, Center for Health Statistics, Texas Health Care Information Collection. Texas Inpatient Hospital Discharge Data, 2002.

7. Angina (without procedures), page 2

Includes data from most Texas hospitals. Some hospitals are statutorily exempt from reporting to THCIC.

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	6,353	15,678,989	40.5	48.6	
Anderson	32	43,138	74.2	82.1 **	(49.8, 114.3)
Andrews	Less than 5	9,026			
Angelina	89	58,616	151.8	155.1 **	(117.0, 193.1)
Aransas	10	17,723	56.4	34.3	(1.8, 66.9)
Archer	Less than 5	6,641			
Armstrong	0	1,594	0.0	0.0 *	(0.0, 0.0)
Atascosa	49	28,584	171.4	181.7 **	(122.8, 240.7)
Austin	5	18,205	27.5	18.3 *	(0.0, 41.8)
Bailey	Less than 5	4,544			
Bandera	10	14,679	68.1	55.0	(9.7, 100.3)
Bastrop	37	46,630	79.3	87.3 **	(55.3, 119.3)
Baylor	0	3,037	0.0	0.0 *	(0.0, 0.0)
Bee	22	24,775	88.8	105.2 **	(57.0, 153.4)
Bell	93	170,238	54.6	68.6 **	(53.8, 83.5)
Bexar	302	1,035,771	29.2	35.8 *	(31.4, 40.1)
Blanco	Less than 5	6,775			
Borden	0	531	0.0	0.0 *	(0.0, 0.0)
Bosque	Less than 5	13,430			
Bowie	17	67,967	25.0	20.6 *	(7.7, 33.5)
Brazoria	93	185,574	50.1	59.8	(46.5, 73.1)
Brazos	13	119,106	10.9	39.8	(26.2, 53.3)
Brewster	7	6,956	100.6	99.9	(11.2, 188.5)
Briscoe	0	1,239	0.0	0.0 *	(0.0, 0.0)
Brooks	8	5,331	150.1	144.9	(23.0, 266.9)
Brown	33	28,238	116.9	108.8 **	(62.9, 154.8)
Burleson	6	12,417	48.3	36.0	(0.0, 75.8)
Burnet	11	28,101	39.1	24.7 *	(2.8, 46.6)
Caldwell	11	25,382	43.3	46.0	(14.5, 77.5)
Calhoun	Less than 5	14,758			
Callahan	Less than 5	9,632			
Cameron	57	235,345	24.2	28.1 *	(20.0, 36.2)
Camp	5	8,511	58.7	47.8	(0.0, 103.3)
Carson	Less than 5	4,845			
Cass	Less than 5	23,061			
Castro	Less than 5	5,473			
Chambers	9	19,839	45.4	52.2	(14.3, 90.2)
Cherokee	27	35,003	77.1	71.5	(38.0, 104.9)

  * 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.

7. Angina (without procedures), page 3

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	6,353	15,678,989	40.5	48.6	
Childress	Less than 5	5,850			
Clay	Less than 5	8,736			
Cochran	Less than 5	2,464			
Coke	Less than 5	2,918			
Coleman	5	6,797	73.6	43.9	(0.0, 103.3)
Collin	55	407,343	13.5	32.8*	(26.1, 39.4)
Collingsworth	0	2,327	0.0	0.0*	(0.0, 0.0)
Colorado	Less than 5	15,221			
Comal	30	64,269	46.7	38.1	(20.1, 56.2)
Comanche	6	10,189	58.9	34.0	(0.0, 76.7)
Concho	0	3,242	0.0	2.7*	(0.0, 23.9)
Cooke	6	27,637	21.7	12.9*	(0.0, 28.9)
Coryell	49	53,703	91.2	123.1**	(87.7, 158.5)
Cottle	0	1,359	0.0	0.0*	(0.0, 0.0)
Crane	Less than 5	2,726			
Crockett	0	2,792	0.0	0.0*	(0.0, 0.0)
Crosby	8	4,788	167.1	158.6	(24.0, 293.2)
Culberson	0	1,949	0.0	0.0*	(0.0, 0.0)
Dallam	Less than 5	4,214			
Dallas	441	1,643,801	26.8	41.2*	(37.5, 44.9)
Dawson	Less than 5	11,000			
Deaf Smith	6	12,328	48.7	46.4	(1.0, 91.8)
Delta	Less than 5	4,042			
Denton	88	353,299	24.9	48.3	(39.7, 57.0)
DeWitt	9	15,462	58.2	42.2	(3.5, 80.8)
Dickens	Less than 5	2,222			
Dimmit	0	6,983	0.0	0.0*	(0.0, 0.0)
Donley	Less than 5	2,968			
Duval	7	9,215	76.0	71.2	(6.2, 136.2)
Eastland	Less than 5	13,945			
Ector	41	85,954	47.7	51.4	(33.3, 69.5)
Edwards	Less than 5	1,499			
Ellis	66	85,378	77.3	87.1**	(63.5, 110.7)
El Paso	138	477,015	28.9	35.7*	(29.3, 42.1)
Erath	16	24,840	64.4	66.8	(28.5, 105.2)
Falls	5	13,263	37.7	24.7	(0.0, 56.7)
Fannin	27	24,427	110.5	105.1**	(56.5, 153.6)
Fayette	Less than 5	17,323			

 * 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.

7. Angina (without procedures), page 4

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	6,353	15,678,989	40.5	48.6	
Fisher	Less than 5	3,293			
Floyd	Less than 5	5,153			
Foard	0	1,160	0.0	0.0*	(0.0, 0.0)
Fort Bend	113	280,801	40.2	56.3	(45.8, 66.7)
Franklin	5	7,503	66.6	50.5	(0.0, 111.1)
Freestone	18	14,342	125.5	119.5**	(52.0, 187.0)
Frio	0	11,665	0.0	5.8*	(0.0, 22.4)
Gaines	Less than 5	9,500			
Galveston	82	192,663	42.6	44.7	(33.5, 56.0)
Garza	Less than 5	3,592			
Gillespie	Less than 5	17,152			
Glasscock	0	948	0.0	0.0*	(0.0, 0.0)
Goliad	Less than 5	5,395			
Gonzales	Less than 5	13,762			
Gray	35	16,812	208.2	199.3**	(118.8, 279.7)
Grayson	47	85,244	55.1	47.9	(30.4, 65.4)
Gregg	40	83,114	48.1	45.9	(28.5, 63.3)
Grimes	7	18,780	37.3	33.9	(2.5, 65.4)
Guadalupe	31	68,383	45.3	46.9	(27.5, 66.3)
Hale	11	25,011	44.0	41.2	(11.2, 71.2)
Hall	Less than 5	2,673			
Hamilton	Less than 5	6,224			
Hansford	Less than 5	3,785			
Hardeman	Less than 5	3,381			
Hardin	22	36,046	61.0	60.4	(30.1, 90.7)
Harris	863	2,536,612	34.0	48.8	(45.5, 52.0)
Harrison	33	46,213	71.4	69.4	(40.7, 98.1)
Hartley	0	4,347	0.0	0.0*	(0.0, 0.0)
Haskell	Less than 5	4,562			
Hays	10	81,634	12.2	30.7*	(16.4, 45.1)
Hemphill	Less than 5	2,493			
Henderson	44	57,676	76.3	61.2	(37.1, 85.3)
Hidalgo	147	399,745	36.8	47.8	(39.7, 55.8)
Hill	26	25,148	103.4	91.9	(47.2, 136.6)
Hockley	5	16,286	30.7	28.0	(0.0, 58.7)
Hood	39	34,183	114.1	100.3**	(60.2, 140.3)
Hopkins	Less than 5	24,081			
Houston	11	18,038	61.0	45.9	(8.6, 83.3)

 * 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.

7. Angina (without procedures), page 5

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	6,353	15,678,989	40.5	48.6	
Howard	21	25,186	83.4	81.9	(39.7, 124.0)
Hudspeth	Less than 5	2,277			
Hunt	55	58,713	93.7	95.4 **	(65.6, 125.2)
Hutchinson	9	16,843	53.4	42.5	(5.3, 79.6)
Irion	Less than 5	1,332			
Jack	Less than 5	6,865			
Jackson	6	10,541	56.9	46.5	(0.0, 95.7)
Jasper	31	26,493	117.0	110.6 **	(62.8, 158.3)
Jeff Davis	Less than 5	1,715			
Jefferson	134	185,485	72.2	70.9 **	(56.4, 85.3)
Jim Hogg	Less than 5	3,615			
Jim Wells	27	27,926	96.7	97.8 **	(54.0, 141.5)
Johnson	109	98,667	110.5	119.4 **	(93.6, 145.1)
Jones	Less than 5	15,889			
Karnes	6	12,061	49.7	53.0	(4.0, 102.1)
Kaufman	42	56,241	74.7	80.7 **	(52.7, 108.7)
Kendall	Less than 5	18,814			
Kenedy	0	301	0.0	0.0 *	(0.0, 0.0)
Kent	0	654	0.0	0.0 *	(0.0, 0.0)
Kerr	21	34,935	60.1	28.5	(7.4, 49.7)
Kimble	0	3,493	0.0	0.0 *	(0.0, 0.0)
King	0	226	0.0	0.0 *	(0.0, 0.0)
Kinney	Less than 5	2,620			
Kleberg	29	22,497	128.9	141.2 **	(82.6, 199.7)
Knox	0	2,945	0.0	0.0 *	(0.0, 0.0)
Lamar	20	36,376	55.0	44.3	(18.5, 70.2)
Lamb	9	10,482	85.9	72.2	(10.8, 133.6)
Lampasas	25	13,929	179.5	179.5 **	(95.6, 263.4)
La Salle	Less than 5	4,194			
Lavaca	11	14,531	75.7	49.0	(6.1, 92.0)
Lee	Less than 5	11,738			
Leon	15	12,162	123.3	105.3	(36.5, 174.1)
Liberty	47	53,939	87.1	96.1 **	(64.9, 127.3)
Limestone	20	16,720	119.6	114.0 **	(53.0, 175.1)
Lipscomb	Less than 5	2,300			
Live Oak	7	9,489	73.8	63.3	(2.9, 123.7)
Llano	Less than 5	14,886			
Loving	0	53	0.0	0.0 *	(0.0, 0.0)

 * 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.

7. Angina (without procedures), page 6

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	6,353	15,678,989	40.5	48.6	
Lubbock	81	182,713	44.3	52.8	(40.2, 65.3)
Lynn	Less than 5	4,453			
McCulloch	Less than 5	5,873			
McLennan	48	158,695	30.2	31.3*	(20.9, 41.7)
McMullen	Less than 5	682			
Madison	Less than 5	10,290			
Marion	8	8,649	92.5	72.4	(4.7, 140.1)
Martin	Less than 5	3,187			
Mason	0	2,966	0.0	0.0*	(0.0, 0.0)
Matagorda	22	27,046	81.3	79.9	(39.7, 120.1)
Maverick	21	31,350	67.0	74.7	(38.6, 110.8)
Medina	12	29,570	40.6	38.8	(12.0, 65.5)
Menard	0	1,807	0.0	0.0*	(0.0, 0.0)
Midland	24	83,377	28.8	28.0*	(14.4, 41.6)
Milam	15	18,176	82.5	70.5	(24.4, 116.5)
Mills	5	3,902	128.1	97.2	(0.0, 214.0)
Mitchell	Less than 5	7,462			
Montague	Less than 5	14,659			
Montgomery	52	235,981	22.0	29.3*	(21.0, 37.5)
Moore	Less than 5	13,589			
Morris	Less than 5	9,993			
Motley	0	1,025	0.0	0.0*	(0.0, 0.0)
Nacogdoches	33	44,171	74.7	82.4**	(50.4, 114.3)
Navarro	34	34,083	99.8	98.2**	(58.5, 137.9)
Newton	12	11,243	106.7	102.3	(31.7, 172.8)
Nolan	Less than 5	11,127			
Nueces	82	226,363	36.2	38.2*	(28.6, 47.8)
Ochiltree	Less than 5	6,376			
Oldham	0	1,447	0.0	0.0*	(0.0, 0.0)
Orange	86	62,309	138.0	138.3**	(103.5, 173.2)
Palo Pinto	7	20,341	34.4	20.8*	(0.0, 44.5)
Panola	42	17,129	245.2	242.5**	(154.5, 330.4)
Parker	76	70,020	108.5	114.1**	(84.2, 143.9)
Parmer	Less than 5	6,711			
Pecos	23	12,025	191.3	203.4**	(107.2, 299.5)
Polk	23	34,454	66.8	54.7	(25.2, 84.2)
Potter	38	82,935	45.8	49.2	(31.2, 67.3)
Presidio	Less than 5	5,215			

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

7. Angina (without procedures), page 7

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	6,353	15,678,989	40.5	48.6	
Rains	8	7,891	101.4	94.8	(13.7, 175.8)
Randall	27	79,598	33.9	35.0	(19.5, 50.5)
Reagan	0	2,137	0.0	0.0*	(0.0, 0.0)
Real	0	2,314	0.0	0.0*	(0.0, 0.0)
Red River	10	10,665	93.8	74.1	(12.5, 135.8)
Reeves	Less than 5	8,875			
Refugio	Less than 5	5,760			
Roberts	0	656	0.0	0.0*	(0.0, 0.0)
Robertson	Less than 5	11,532			
Rockwall	26	36,507	71.2	81.6	(46.6, 116.6)
Runnels	Less than 5	8,259			
Rusk	95	36,131	262.9	262.2**	(199.2, 325.1)
Sabine	14	8,224	170.2	141.5	(44.5, 238.6)
San Augustine	Less than 5	6,821			
San Jacinto	7	17,626	39.7	27.3	(0.0, 56.4)
San Patricio	37	46,738	79.2	83.9**	(52.6, 115.2)
San Saba	Less than 5	4,509			
Schleicher	0	2,161	0.0	0.0*	(0.0, 0.0)
Scurry	Less than 5	11,887			
Shackelford	Less than 5	2,514			
Shelby	18	18,820	95.6	87.3	(36.9, 137.7)
Sherman	Less than 5	2,300			
Smith	31	133,789	23.2	17.3*	(8.9, 25.7)
Somervell	Less than 5	5,302			
Starr	7	35,840	19.5	30.0	(8.6, 51.4)
Stephens	Less than 5	7,187			
Sterling	0	993	0.0	0.0*	(0.0, 0.0)
Stonewall	0	1,199	0.0	0.0*	(0.0, 0.0)
Sutton	0	2,975	0.0	0.0*	(0.0, 0.0)
Swisher	Less than 5	5,848			
Tarrant	462	1,099,370	42.0	54.8**	(49.5, 60.0)
Taylor	19	91,077	20.9	20.8*	(9.6, 32.0)
Terrell	0	750	0.0	0.0*	(0.0, 0.0)
Terry	7	9,212	76.0	70.4	(5.7, 135.0)
Throckmorton	0	1,308	0.0	0.0*	(0.0, 0.0)
Titus	0	19,781	0.0	0.0*	(0.0, 0.0)
Tom Green	18	75,815	23.7	20.3*	(8.2, 32.4)
Travis	71	642,139	11.1	32.0*	(26.8, 37.3)

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

7. Angina (without procedures), page 8

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State Total	6,353	15,678,989	40.5	48.6	
Trinity	12	10,906	110.0	87.0	(21.0, 153.1)
Tyler	10	16,011	62.5	50.1	(8.7, 91.5)
Upshur	9	27,088	33.2	24.8*	(2.4, 47.2)
Upton	0	2,387	0.0	0.0*	(0.0, 0.0)
Uvalde	0	18,332	0.0	0.0*	(0.0, 0.0)
Val Verde	23	31,441	73.2	75.3	(39.1, 111.4)
Van Zandt	24	37,894	63.3	50.3	(23.3, 77.2)
Victoria	64	60,919	105.1	107.0**	(76.0, 138.0)
Walker	33	49,815	66.2	84.8**	(54.3, 115.3)
Waller	18	24,817	72.5	84.6	(41.4, 127.8)
Ward	0	7,418	0.0	0.0*	(0.0, 0.0)
Washington	Less than 5	23,012			
Webb	14	132,563	10.6	25.5*	(15.2, 35.7)
Wharton	13	29,827	43.6	37.1	(11.0, 63.2)
Wheeler	0	3,833	0.0	0.0*	(0.0, 0.0)
Wichita	48	95,608	50.2	51.7	(34.5, 68.9)
Wilbarger	Less than 5	10,173			
Willacy	0	13,805	0.0	0.9*	(0.0, 7.0)
Williamson	54	205,348	26.3	42.1	(31.5, 52.6)
Wilson	9	24,929	36.1	35.4	(7.5, 63.3)
Winkler	Less than 5	4,964			
Wise	10	38,498	26.0	29.5	(9.1, 50.0)
Wood	12	29,859	40.2	17.1*	(0.0, 34.9)
Yoakum	Less than 5	5,067			
Young	Less than 5	13,408			
Zapata	5	8,655	57.8	55.2	(0.0, 114.3)
Zavala	0	7,765	0.0	0.5*	(0.0, 6.6)

Source: Department of State Health Services, Center for Health Statistics, Texas Health Care Information Collection. Texas Inpatient Hospital Discharge Data, 2002.

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