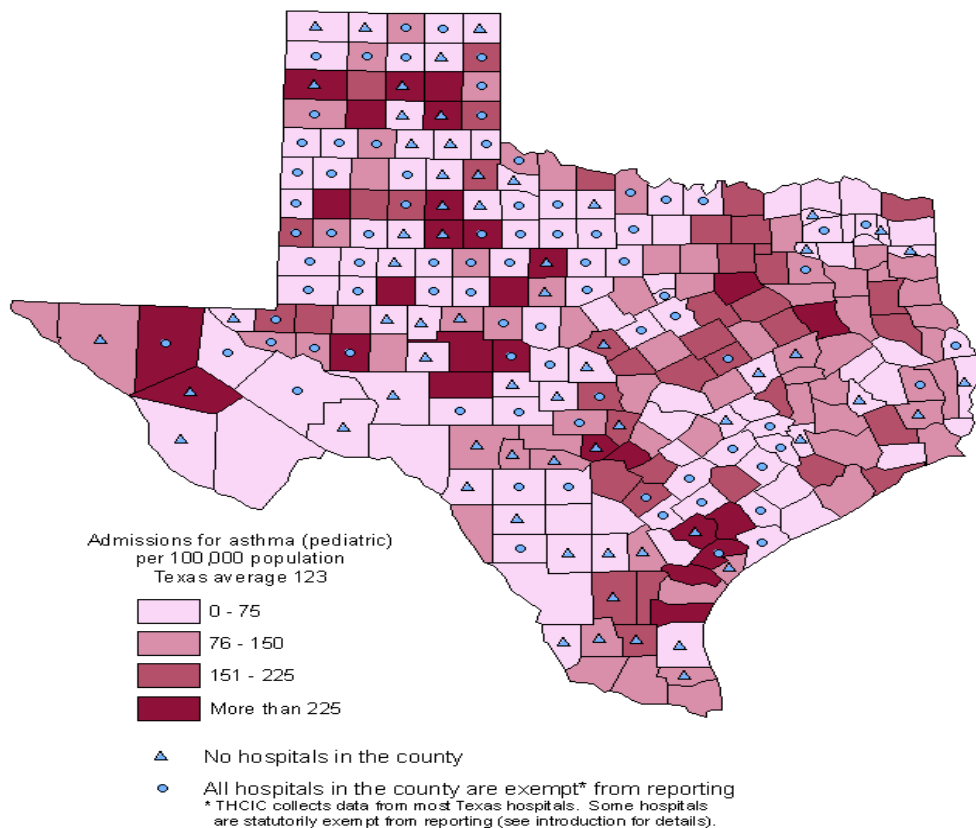


Pediatric asthma

Asthma is one of the most frequent reasons for hospital admissions among children. Millions of missed school days and parental workdays are attributed to pediatric asthma. Children with asthma have airways that are overly sensitive to certain asthma triggers, which differ from child to child. Some common triggers are exercise, allergies, viral infections, and smoke. Adherence to treatment guidelines – which emphasize appropriate diagnosis of asthma, a physician-patient relationship, management of asthma symptoms with medications, appropriate preventive and maintenance therapy, and adequate follow-up care – can reduce hospital admission rates. Children need to follow a customized asthma management plan to control their symptoms. The severity of a child's asthma can both worsen and improve over time, placing him in a new asthma category that requires different treatment.



Pediatric asthma, 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	95% Confidence Interval for Risk-Adjusted Admissions
State Total	8,723	5,577,734	156.39	122.94	(120.1, 125.8)
Anderson	32	10,100	316.84	258.22**	(190.0, 326.4)
Andrews	Less than 5				
Angelina	7	19,629	35.66	29.03*	(0.0, 77.9)
Aransas	7	4,848	144.38	76.19	(0.0, 155.4)
Archer	Less than 5				
Armstrong	Less than 5				
Atascosa	12	11,194	107.20	55.02*	(3.6, 106.4)
Austin	Less than 5				
Bailey	Less than 5				
Bandera	5	4,041	123.74	134.58	(10.0, 259.2)
Bastrop	11	16,381	67.15	76.07	(12.9, 139.2)
Baylor	Less than 5				
Bee	7	6,219	112.57	58.00	(0.0, 127.1)
Bell	118	68,902	171.26	153.28**	(125.9, 180.7)
Bexar	777	374,091	207.70	167.55**	(156.4, 178.7)
Blanco	Less than 5				
Borden	Less than 5				
Bosque	Less than 5				
Bowie	37	19,435	190.38	160.03	(110.1, 210.0)
Brazoria	56	67,813	82.58	97.54	(65.8, 129.2)
Brazos	47	28,736	163.56	152.95	(109.6, 196.3)
Brewster	Less than 5				
Briscoe	Less than 5				
Brooks	9	2,038	441.70	223.09	(103.6, 342.5)
Brown	16	8,481	188.66	98.83	(39.2, 158.5)
Burleson	Less than 5				
Burnet	7	8,184	85.53	85.58	(1.6, 169.6)
Caldwell	Less than 5				
Calhoun	Less than 5				
Callahan	Less than 5				
Cameron	196	111,447	175.87	83.70*	(68.0, 99.4)
Camp	Less than 5				
Carson	Less than 5				
Cass	Less than 5				
Castro	Less than 5				
Chambers	Less than 5				
Cherokee	16	11,207	142.77	115.13	(50.7, 179.5)
Childress	Less than 5				
Clay	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.

Pediatric asthma, page 3

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	95% Confidence Interval for Risk-Adjusted Admissions
Cochran	Less than 5				
Coke	Less than 5				
Coleman	Less than 5				
Collin	231	161,274	143.23	200.00**	(177.6, 222.4)
Collingsworth	Less than 5				
Colorado	Less than 5				
Comal	38	20,351	186.73	226.42**	(167.8, 285.1)
Comanche	Less than 5				
Concho	Less than 5				
Cooke	6	8,997	66.69	68.88	(0.0, 150.3)
Coryell	15	17,558	85.43	97.04	(35.9, 158.1)
Cottle	Less than 5				
Crane	Less than 5				
Crockett	Less than 5				
Crosby	7	1,754	399.18	203.82	(74.3, 333.3)
Culberson	Less than 5				
Dallam	Less than 5				
Dallas	1,142	573,090	199.27	157.31**	(148.4, 166.2)
Dawson	Less than 5				
Deaf Smith	5	5,375	93.02	76.66	(0.0, 170.7)
Delta	Less than 5				
Denton	213	132,043	161.31	215.36**	(191.2, 239.5)
DeWitt	Less than 5				
Dickens	Less than 5				
Dimmit	Less than 5				
Donley	Less than 5				
Duval	9	3,056	294.54	152.71	(53.9, 251.6)
Eastland	Less than 5				
Ector	134	32,752	409.14	201.59**	(172.2, 231.0)
Edwards	Less than 5				
Ellis	82	32,800	250.00	303.32**	(257.1, 349.5)
El Paso	454	198,566	228.64	111.73	(99.8, 123.6)
Erath	10	7,019	142.46	141.61	(51.2, 232.0)
Falls	12	4,250	282.38	160.73	(72.9, 248.6)
Fannin	Less than 5				
Fayette	Less than 5				
Fisher	Less than 5				
Floyd	Less than 5				
Foard	Less than 5				
Fort Bend	126	115,617	108.98	157.10**	(130.3, 183.9)
Franklin	Less than 5				
Freestone	7	3,708	188.76	160.87	(45.7, 276.0)

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Pediatric asthma, page 4

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	95% Confidence Interval for Risk-Adjusted Admissions
Frio	Less than 5				
Gaines	Less than 5				
Galveston	100	63,454	157.60	176.25**	(144.4, 208.1)
Garza	Less than 5				
Gillespie	Less than 5				
Glasscock	Less than 5				
Goliad	11	1,459	754.15	663.39**	(476.9, 849.9)
Gonzales	Less than 5				
Gray	11	4,448	247.29	254.68**	(139.1, 370.3)
Grayson	41	25,410	161.35	161.47	(113.8, 209.1)
Gregg	43	27,032	159.07	127.74	(86.4, 169.1)
Grimes	6	5,194	115.51	98.10	(1.0, 195.2)
Guadalupe	32	23,878	134.01	157.17	(103.9, 210.4)
Hale	16	9,575	167.11	82.67	(28.1, 137.2)
Hall	Less than 5				
Hamilton	Less than 5				
Hansford	Less than 5				
Hardeman	Less than 5				
Hardin	13	11,477	113.27	127.88	(52.5, 203.2)
Harris	1,114	936,134	119.00	95.65*	(88.6, 102.7)
Harrison	13	14,304	90.88	78.51	(19.5, 137.5)
Hartley	Less than 5				
Haskell	Less than 5				
Hays	21	25,169	83.43	98.92	(46.8, 151.1)
Hemphill	Less than 5				
Henderson	28	16,742	167.24	139.49	(85.9, 193.1)
Hidalgo	382	207,189	184.37	87.19*	(75.7, 98.6)
Hill	17	7,754	219.23	179.49	(101.5, 257.5)
Hockley	15	5,530	271.27	225.02**	(132.0, 318.0)
Hood	Less than 5				
Hopkins	Less than 5				
Houston	7	4,582	152.77	82.16	(0.0, 164.4)
Howard	44	6,759	650.95	332.54**	(266.6, 398.5)
Hudspeth	Less than 5				
Hunt	18	18,476	97.42	82.04	(30.8, 133.3)
Hutchinson	Less than 5				
Irion	Less than 5				
Jack	Less than 5				
Jackson	Less than 5				
Jasper	9	8,047	111.85	93.18	(15.9, 170.5)
Jeff Davis	Less than 5				
Jefferson	80	55,449	144.28	119.89	(90.5, 149.3)

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Pediatric asthma, page 5

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	95% Confidence Interval for Risk-Adjusted Admissions
Jim Hogg	Less than 5				
Jim Wells	37	10,588	349.45	180.48**	(127.5, 233.5)
Johnson	32	34,628	92.41	103.38	(60.2, 146.6)
Jones	Less than 5				
Karnes	Less than 5				
Kaufman	42	21,133	198.74	219.97**	(165.0, 274.9)
Kendall	13	6,258	207.72	304.20**	(188.0, 420.4)
Kenedy	Less than 5				
Kent	Less than 5				
Kerr	10	9,003	111.07	96.25	(21.7, 170.8)
Kimble	Less than 5				
King	Less than 5				
Kinney	Less than 5				
Kleberg	39	7,111	548.48	267.45**	(204.6, 330.3)
Knox	Less than 5				
Lamar	8	11,278	70.93	36.43*	(0.0, 87.6)
Lamb	Less than 5				
Lampasas	9	4,355	206.67	218.34	(100.0, 336.7)
La Salle	Less than 5				
Lavaca	6	3,845	156.05	155.59	(33.3, 277.9)
Lee	Less than 5				
Leon	5	3,258	153.45	132.17	(8.7, 255.6)
Liberty	41	17,585	233.15	197.96**	(145.2, 250.7)
Limestone	8	4,994	160.20	133.86	(35.6, 232.1)
Lipscomb	Less than 5				
Live Oak	Less than 5				
Llano	5	2,647	188.89	160.52	(24.4, 296.6)
Loving	Less than 5				
Lubbock	118	55,566	212.36	168.20**	(139.5, 196.9)
Lynn	Less than 5				
McCulloch	Less than 5				
McLennan	121	51,766	233.74	191.24**	(161.1, 221.4)
McMullen	Less than 5				
Madison	Less than 5				
Marion	Less than 5				
Martin	Less than 5				
Mason	Less than 5				
Matagorda	5	9,566	52.27	44.65*	(0.0, 116.4)
Maverick	43	15,886	270.68	135.61	(93.0, 178.2)
Medina	6	10,131	59.22	51.74*	(0.0, 122.3)
Menard	Less than 5				
Midland	48	30,438	157.70	133.55	(93.5, 173.6)

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Pediatric asthma, page 6

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	95% Confidence Interval for Risk-Adjusted Admissions
Milam	7	5,926	118.12	98.68	(8.5, 188.9)
Mills	Less than 5				
Mitchell	Less than 5				
Montague	Less than 5				
Montgomery	85	91,299	93.10	113.33	(85.6, 141.1)
Moore	6	5,972	100.47	107.88	(6.0, 209.7)
Morris	Less than 5				
Motley	Less than 5				
Nacogdoches	24	12,621	190.15	151.15	(90.9, 211.4)
Navarro	24	11,487	208.93	173.05	(108.6, 237.5)
Newton	Less than 5				
Nolan	Less than 5				
Nueces	231	77,612	297.63	149.29**	(130.0, 168.6)
Ochiltree	Less than 5				
Oldham	Less than 5				
Orange	16	19,432	82.34	71.11*	(20.5, 121.7)
Palo Pinto	Less than 5				
Panola	7	4,909	142.59	142.77	(34.3, 251.3)
Parker	18	22,789	78.98	92.26	(37.9, 146.6)
Parmer	Less than 5				
Pecos	Less than 5				
Polk	11	8,967	122.67	63.57*	(5.9, 121.3)
Potter	97	30,105	322.21	154.46**	(124.2, 184.7)
Presidio	Less than 5				
Rains	Less than 5				
Randall	57	24,355	234.04	328.87**	(271.2, 386.6)
Reagan	Less than 5				
Real	Less than 5				
Red River	Less than 5				
Reeves	Less than 5				
Refugio	5	1,637	305.36	268.22	(92.3, 444.1)
Roberts	Less than 5				
Robertson	5	3,920	127.54	66.49	(0.0, 154.0)
Rockwall	18	14,973	120.21	167.52	(94.2, 240.8)
Runnels	Less than 5				
Rusk	15	9,965	150.53	153.63	(76.8, 230.5)
Sabine	Less than 5				
San Augustine	Less than 5				
San Jacinto	Less than 5				
San Patricio	70	18,185	384.92	318.75**	(267.5, 370.0)
San Saba	Less than 5				
Schleicher	Less than 5				

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Pediatric asthma, page 7

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	95% Confidence Interval for Risk-Adjusted Admissions
Scurry	Less than 5				
Shackelford	Less than 5				
Shelby	6	6,109	98.21	81.15	(0.0, 169.5)
Sherman	Less than 5				
Smith	52	43,716	118.95	116.79	(80.8, 152.8)
Somervell	Less than 5				
Starr	35	19,330	181.06	86.34	(48.7, 124.0)
Stephens	Less than 5				
Sterling	Less than 5				
Stonewall	Less than 5				
Sutton	Less than 5				
Swisher	Less than 5				
Tarrant	438	399,560	109.62	118.13	(105.7, 130.6)
Taylor	97	28,989	334.61	271.44**	(231.3, 311.6)
Terrell	Less than 5				
Terry	8	2,982	268.31	136.24	(37.2, 235.3)
Throckmorton	Less than 5				
Titus	Less than 5				
Tom Green	81	23,188	349.32	282.14**	(237.3, 327.0)
Travis	107	189,385	56.50	58.38*	(40.6, 76.1)
Trinity	Less than 5				
Tyler	7	4,031	173.64	149.74	(38.7, 260.8)
Upshur	9	8,326	108.09	91.00	(14.6, 167.4)
Upton	Less than 5				
Uvalde	Less than 5				
Val Verde	11	12,938	85.02	41.94*	(0.0, 88.8)
Van Zandt	9	11,216	80.24	82.52	(9.8, 155.3)
Victoria	134	21,189	632.42	532.59**	(484.7, 580.5)
Walker	10	9,503	105.23	88.52	(17.1, 160.0)
Waller	6	7,671	78.22	65.20	(0.0, 144.4)
Ward	Less than 5				
Washington	Less than 5				
Webb	85	71,592	118.73	54.90*	(35.6, 74.2)
Wharton	6	10,081	59.52	59.26	(0.0, 134.8)
Wheeler	Less than 5				
Wichita	61	28,103	217.06	212.43**	(167.6, 257.3)
Wilbarger	5	3,388	147.56	124.00	(4.4, 243.6)
Willacy	9	5,463	164.76	80.36	(8.7, 152.1)
Williamson	39	83,288	46.83	63.18*	(32.6, 93.8)
Wilson	12	8,838	135.78	159.09	(71.6, 246.6)
Winkler	Less than 5				
Wise	5	12,984	38.51	48.81	(0.0, 123.9)

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Pediatric asthma, page 8

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	95% Confidence Interval for Risk-Adjusted Admissions
Wood	Less than 5				
Yoakum	Less than 5				
Young	Less than 5				
Zapata	Less than 5				
Zavala	Less than 5				

Source: Department of State Health Services, Center for Health Statistics, Texas Health Care Information Collection. Texas Inpatient Hospital Discharge Data, 2005.

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