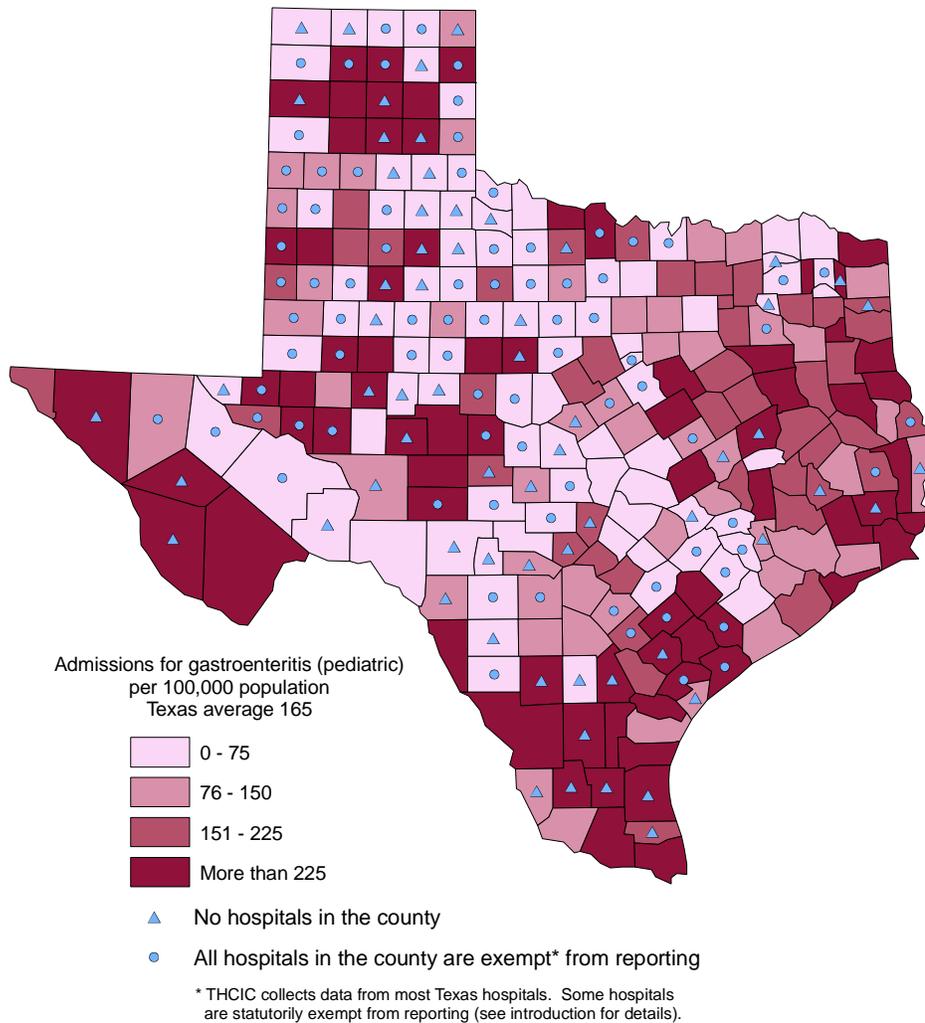


Pediatric Gastroenteritis

Gastroenteritis is an inflammation of the mucous membrane lining the stomach and intestine caused by viruses or bacteria. Among children, it is a common reason for visits to family doctors. Treatment guidelines emphasize the importance of encouraging high fluid intake to avoid the need for hospitalization. Some hospital admissions for gastroenteritis in children are unavoidable; however, areas with high rates may want to identify disease severity by looking at the degree of dehydration of the patients. Most children admitted with gastroenteritis appear to have no underlying problems, and most are re-hydrated within 12 hours.



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

Pediatric Gastroenteritis, 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	12,644	6,232,736	202.86	164.82	
Anderson	47	11,241	418.11	375.59 **	(305.2, 445.9)
Andrews	Less than 5				
Angelina	40	21,846	183.10	164.32	(113.9, 214.8)
Aransas	7	5,321	131.54	81.76	(0.0, 166.7)
Archer	Less than 5				
Armstrong	Less than 5				
Atascosa	26	12,346	210.59	125.43	(70.8, 180.0)
Austin	Less than 5				
Bailey	Less than 5				
Bandera	5	4,384	114.05	121.80	(0.0, 244.6)
Bastrop	12	18,051	66.48	78.53 *	(14.8, 142.2)
Baylor	Less than 5				
Bee	25	6,849	365.02	219.71	(146.0, 293.4)
Bell	74	78,991	93.68	70.09 *	(45.9, 94.3)
Bexar	449	417,335	107.59	95.11 *	(83.7, 106.6)
Blanco	Less than 5				
Borden	Less than 5				
Bosque	Less than 5				
Bowie	74	21,448	345.01	327.92 **	(275.5, 380.3)
Brazoria	123	75,422	163.08	171.16	(141.8, 200.5)
Brazos	86	32,504	264.59	213.06 **	(173.9, 252.2)
Brewster	12	1,923	624.11	530.62 **	(365.2, 696.1)
Briscoe	Less than 5				
Brooks	60	2,267	2,646.44	1,498.09 **	(1,373.9, 1,622.3)
Brown	9	9,348	96.28	58.03 *	(0.0, 121.1)
Burleson	5	4,230	118.22	112.70	(0.0, 230.8)
Burnet	Less than 5				
Caldwell	6	9,618	62.38	57.89 *	(0.0, 135.2)
Calhoun	15	5,601	267.81	252.71	(150.6, 354.8)
Callahan	7	3,077	227.46	240.86	(94.9, 386.8)
Cameron	675	126,249	534.66	271.42 **	(255.7, 287.2)
Camp	Less than 5				
Carson	7	1,643	426.05	633.23 **	(396.4, 870.1)
Cass	7	6,813	102.74	101.28	(6.6, 195.9)
Castro	5	2,341	213.60	127.98	(2.2, 253.7)
Chambers	8	7,152	111.85	138.43	(34.9, 242.0)
Cherokee	29	12,520	231.64	203.72	(137.8, 269.7)

* Risk adjusted admission rate is significantly LOWER (based on 95% confidence interval) than Texas average.

** Risk adjusted admission rate is significantly HIGHER (based on 95% confidence interval) than Texas average.

Pediatric Gastroenteritis, 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
State Total	12,644	6,232,736	202.86	164.82	
Childress	Less than 5				
Clay	Less than 5				
Cochran	Less than 5				
Coke	Less than 5				
Coleman	Less than 5				
Collin	268	179,214	149.54	170.23	(150.4, 190.1)
Collingsworth	Less than 5				
Colorado	Less than 5				
Comal	35	22,512	155.47	169.56	(114.8, 224.3)
Comanche	10	3,274	305.41	193.94	(84.5, 303.4)
Concho	Less than 5				
Cooke	6	9,911	60.54	57.81 *	(0.0, 135.1)
Coryell	16	19,244	83.14	101.21 *	(38.6, 163.8)
Cottle	Less than 5				
Crane	Less than 5				
Crockett	Less than 5				
Crosby	7	1,948	359.31	206.74	(71.7, 341.8)
Culberson	Less than 5				
Dallam	Less than 5				
Dallas	500	646,334	77.36	64.73 *	(55.8, 73.7)
Dawson	Less than 5				
Deaf Smith	Less than 5				
Delta	Less than 5				
Denton	259	147,153	176.01	197.71 **	(176.0, 219.5)
DeWitt	16	4,504	355.24	341.03 **	(226.2, 455.9)
Dickens	Less than 5				
Dimmit	Less than 5				
Donley	Less than 5				
Duval	49	3,369	1,454.35	869.49 **	(764.8, 974.2)
Eastland	5	4,080	122.55	73.01	(0.0, 168.0)
Ector	257	36,656	701.11	381.03 **	(350.8, 411.3)
Edwards	Less than 5				
Ellis	47	36,261	129.62	141.88	(98.6, 185.1)
El Paso	940	222,973	421.58	225.00 **	(212.8, 237.2)
Erath	15	7,798	192.36	173.01	(88.5, 257.5)
Falls	5	4,605	108.57	75.17	(0.0, 171.6)
Fannin	6	7,176	83.61	81.95	(0.0, 173.9)
Fayette	Less than 5				

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Pediatric Gastroenteritis, 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
State Total	12,644	6,232,736	202.86	164.82	
Fisher	Less than 5				
Floyd	Less than 5				
Foard	Less than 5				
Fort Bend	116	126,369	91.79	118.11 *	(93.0, 143.2)
Franklin	5	2,212	226.09	229.49	(60.9, 398.1)
Freestone	7	4,100	170.73	163.23	(43.1, 283.4)
Frio	11	4,356	252.50	145.87	(55.4, 236.4)
Gaines	7	4,665	150.05	85.98	(0.0, 173.1)
Galveston	149	70,391	211.67	239.87 **	(208.3, 271.5)
Garza	Less than 5				
Gillespie	Less than 5				
Glasscock	Less than 5				
Goliad	14	1,597	876.53	898.37 **	(699.0, 1,097.7)
Gonzales	Less than 5				
Gray	20	4,893	408.71	393.40 **	(283.0, 503.8)
Grayson	32	28,164	113.62	103.58 *	(58.8, 148.4)
Gregg	113	30,289	373.08	322.30 **	(280.3, 364.3)
Grimes	15	5,759	260.45	244.29	(143.9, 344.7)
Guadalupe	41	26,076	157.23	198.07	(143.4, 252.8)
Hale	31	10,689	290.02	160.03	(103.6, 216.5)
Hall	Less than 5				
Hamilton	Less than 5				
Hansford	Less than 5				
Hardeman	Less than 5				
Hardin	66	12,601	523.79	608.07 **	(532.5, 683.6)
Harris	1,195	1,050,355	113.77	98.20 *	(91.1, 105.3)
Harrison	32	15,760	203.05	197.98	(136.1, 259.9)
Hartley	Less than 5				
Haskell	Less than 5				
Hays	19	28,069	67.69	70.18 *	(22.3, 118.0)
Hemphill	Less than 5				
Henderson	60	18,446	325.28	311.16 **	(254.5, 367.8)
Hidalgo	1,191	234,965	506.88	255.45 **	(243.9, 267.0)
Hill	30	8,612	348.37	317.41 **	(236.5, 398.4)
Hockley	33	6,132	538.16	496.25 **	(399.8, 592.7)
Hood	6	10,405	57.67	71.96 *	(0.0, 158.2)
Hopkins	5	8,247	60.62	56.36 *	(0.0, 139.9)
Houston	15	5,030	298.21	186.66	(99.0, 274.3)

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** Risk adjusted admission rate is significantly HIGHER (based on 95% confidence interval) than Texas average.

Pediatric Gastroenteritis, 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
State Total	12,644	6,232,736	202.86	164.82	
Howard	35	7,508	466.17	267.18 **	(198.5, 335.8)
Hudspeth	5	1,010	495.02	325.86	(125.2, 526.5)
Hunt	35	20,470	170.98	159.99	(106.8, 213.2)
Hutchinson	14	5,813	240.85	284.25 **	(172.1, 396.4)
Irion	Less than 5				
Jack	Less than 5				
Jackson	40	3,638	1,099.57	995.32 **	(871.2, 1,119.4)
Jasper	29	8,918	325.17	301.35 **	(221.1, 381.6)
Jeff Davis	Less than 5				
Jefferson	243	61,430	395.57	366.41 **	(335.9, 397.0)
Jim Hogg	24	1,411	1,701.04	1,042.01 **	(878.2, 1,205.8)
Jim Wells	154	11,631	1,324.05	808.04 **	(751.1, 865.0)
Johnson	47	38,109	123.33	140.42	(97.4, 183.4)
Jones	Less than 5				
Karnes	11	3,092	355.77	210.94	(102.1, 319.8)
Kaufman	44	23,390	188.12	207.03	(153.0, 261.0)
Kendall	9	6,837	131.63	188.74	(74.7, 302.8)
Kenedy	Less than 5				
Kent	Less than 5				
Kerr	6	9,908	60.56	59.45 *	(0.0, 137.8)
Kimble	Less than 5				
King	Less than 5				
Kinney	Less than 5				
Kleberg	121	7,951	1,521.83	829.28 **	(764.2, 894.3)
Knox	Less than 5				
Lamar	Less than 5				
Lamb	Less than 5				
Lampasas	Less than 5				
La Salle	7	1,634	428.40	249.21	(100.9, 397.5)
Lavaca	20	4,269	468.55	424.49 **	(309.9, 539.1)
Lee	Less than 5				
Leon	13	3,596	361.53	350.39 **	(221.2, 479.6)
Liberty	58	19,435	298.43	284.02 **	(228.9, 339.1)
Limestone	9	5,527	162.84	152.42	(50.0, 254.8)
Lipscomb	Less than 5				
Live Oak	6	2,318	258.87	268.50	(102.0, 435.0)
Llano	Less than 5				
Loving	Less than 5				

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Pediatric Gastroenteritis, 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
State Total	12,644	6,232,736	202.86	164.82	
Lubbock	122	62,348	195.68	167.10	(138.0, 196.2)
Lynn	Less than 5				
McCulloch	Less than 5				
McLennan	176	57,605	305.53	275.10 **	(244.0, 306.2)
McMullen	Less than 5				
Madison	Less than 5				
Marion	8	2,315	345.56	216.64	(87.3, 346.0)
Martin	5	1,354	369.22	372.24	(157.5, 587.0)
Mason	Less than 5				
Matagorda	13	10,502	123.78	122.08	(45.8, 198.3)
Maverick	148	17,670	837.57	473.29 **	(428.8, 517.7)
Medina	9	11,099	81.09	82.17 *	(7.0, 157.4)
Menard	Less than 5				
Midland	44	33,687	130.61	123.25	(81.6, 164.9)
Milam	22	6,562	335.26	313.03 **	(219.2, 406.9)
Mills	Less than 5				
Mitchell	Less than 5				
Montague	9	4,478	200.97	187.88	(74.2, 301.6)
Montgomery	160	100,621	159.01	177.21	(151.0, 203.4)
Moore	17	6,691	254.06	270.44 **	(171.2, 369.7)
Morris	7	3,020	231.78	235.55	(91.2, 379.9)
Motley	Less than 5				
Nacogdoches	63	14,159	444.94	380.90 **	(319.7, 442.1)
Navarro	24	12,726	188.59	174.75	(107.6, 241.9)
Newton	5	3,291	151.95	104.74	(0.0, 218.5)
Nolan	Less than 5				
Nueces	211	86,253	244.63	138.65 *	(118.5, 158.8)
Ochiltree	Less than 5				
Oldham	Less than 5				
Orange	105	21,360	491.58	485.15 **	(431.7, 538.6)
Palo Pinto	Less than 5				
Panola	33	5,438	606.80	556.21 **	(454.1, 658.4)
Parker	20	24,872	80.41	97.86 *	(42.8, 152.9)
Parmer	Less than 5				
Pecos	Less than 5				
Polk	16	9,865	162.19	98.39 *	(36.8, 160.0)
Potter	220	33,915	648.69	338.52 **	(307.7, 369.4)
Presidio	14	2,356	594.16	317.59 **	(199.2, 436.0)

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Pediatric Gastroenteritis, 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
State Total	12,644	6,232,736	202.86	164.82	
Rains	Less than 5				
Randall	164	26,742	613.27	761.06 **	(707.4, 814.7)
Reagan	Less than 5				
Real	Less than 5				
Red River	Less than 5				
Reeves	Less than 5				
Refugio	7	1,798	389.31	391.90 **	(205.7, 578.1)
Roberts	Less than 5				
Robertson	7	4,313	162.30	98.78	(5.4, 192.1)
Rockwall	21	16,517	127.14	153.53	(86.2, 220.8)
Runnels	5	2,784	179.57	174.82	(27.7, 322.0)
Rusk	22	10,988	200.22	189.09	(116.1, 262.0)
Sabine	5	2,088	239.50	153.89	(16.0, 291.8)
San Augustine	Less than 5				
San Jacinto	10	5,711	175.10	181.35	(75.4, 287.3)
San Patricio	62	20,140	307.85	285.78 **	(232.4, 339.2)
San Saba	Less than 5				
Schleicher	Less than 5				
Scurry	Less than 5				
Shackelford	Less than 5				
Shelby	31	6,785	456.86	416.29 **	(325.1, 507.5)
Sherman	Less than 5				
Smith	78	48,710	160.13	141.01	(107.6, 174.5)
Somervell	Less than 5				
Starr	61	21,892	278.64	141.72	(103.8, 179.6)
Stephens	Less than 5				
Sterling	Less than 5				
Stonewall	Less than 5				
Sutton	12	1,126	1,065.67	1,202.00 **	(952.9, 1,451.1)
Swisher	5	2,084	239.92	134.20	(5.4, 262.9)
Tarrant	335	447,406	74.88	79.82 *	(67.7, 92.0)
Taylor	90	32,507	276.87	240.38 **	(199.7, 281.0)
Terrell	Less than 5				
Terry	6	3,320	180.74	102.22	(0.0, 204.8)
Throckmorton	Less than 5				
Titus	5	8,859	56.44	50.21 *	(0.0, 129.1)
Tom Green	120	25,900	463.33	407.52 **	(361.7, 453.4)
Travis	98	214,600	45.67	45.38 *	(28.4, 62.3)

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Pediatric Gastroenteritis, 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
State Total	12,644	6,232,736	202.86	164.82	
Trinity	8	3,085	259.32	158.37	(47.8, 269.0)
Tyler	9	4,420	203.64	203.38	(85.1, 321.7)
Upshur	15	9,175	163.49	157.11	(76.6, 237.6)
Upton	5	777	643.62	598.11 **	(326.0, 870.2)
Uvalde	Less than 5				
Val Verde	14	14,468	96.76	52.93 *	(4.6, 101.2)
Van Zandt	19	12,331	154.09	148.43	(78.9, 218.0)
Victoria	341	23,481	1,452.21	1,357.49 **	(1,307.8, 1,407.1)
Walker	19	10,551	180.07	166.59	(92.9, 240.3)
Waller	8	8,545	93.62	84.97	(3.9, 166.1)
Ward	5	2,787	179.44	183.80	(32.9, 334.7)
Washington	Less than 5				
Webb	531	81,844	648.79	313.39 **	(294.3, 332.5)
Wharton	9	11,218	80.22	71.57 *	(1.4, 141.7)
Wheeler	Less than 5				
Wichita	104	31,291	332.37	293.25 **	(251.5, 335.0)
Wilbarger	Less than 5				
Willacy	24	6,142	390.76	207.67	(134.6, 280.8)
Williamson	49	92,496	52.98	60.84 *	(33.1, 88.6)
Wilson	11	9,624	114.30	141.16	(52.0, 230.3)
Winkler	7	1,816	385.46	338.84 **	(165.7, 512.0)
Wise	Less than 5				
Wood	15	8,362	179.39	168.62	(85.2, 252.0)
Yoakum	Less than 5				
Young	5	4,188	119.38	112.29	(0.0, 230.2)
Zapata	11	4,297	255.97	132.86	(46.5, 219.2)
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 95% confidence interval) than Texas average.