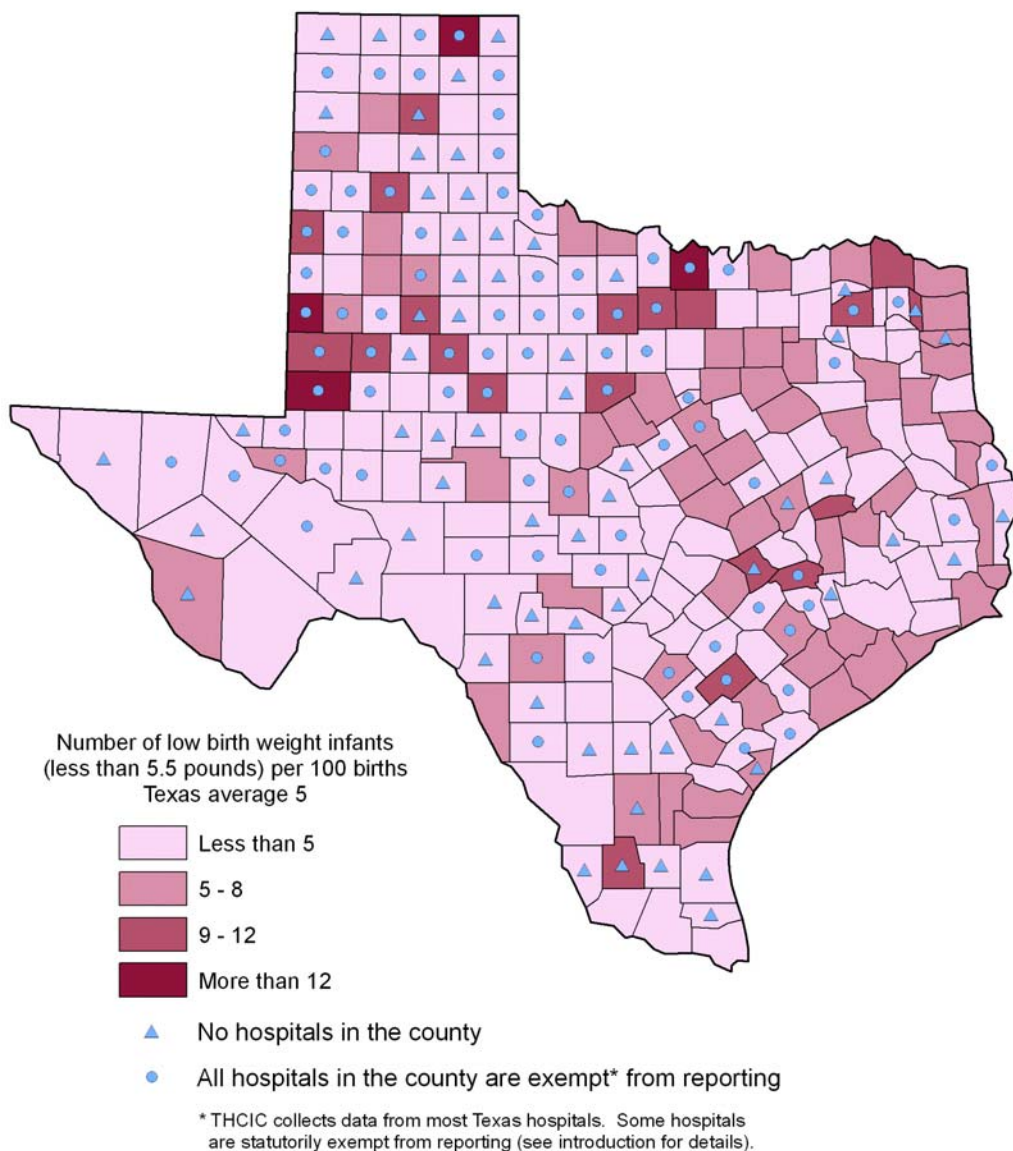


## 5. Low Birth Weight

Average birth weight after a normal pregnancy is 7 ½ pounds (3400g). “Low birth weight” (LBW) means birth weight less than 5 ½ pounds (2500g). Birth weight is the single most important factor affecting death in newborns and a significant determining factor in infant deaths between 1 and 12 months of age. In the past decade, new cases of LBW and very low birth weight (less than 3 lbs. 4 oz. or 1,500 grams) have increased in the United States. LBW is associated with long-term disabilities such as cerebral palsy, mental retardation, vision and hearing impairments, and other developmental disabilities. The general category of LBW infants includes both those born too early (pre-term infants) and those who are born at full term but who are too small. Nutritional status and behavioral risk factors of pregnant women are associated with birth outcome (including LBW). Preconception screening and counseling in addition to high-quality prenatal care can help prevent poor birth outcomes by identifying women who are at particular high risk and taking steps to lower that risk.



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

## Table 5. Low Birth Weight Admission Rate

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

County	Low Birth Weight Infants	All Births	Observed Number of Low Birth Weight Infants per 100 Births	Expected Number of Low Birth Weight Infants per 100 Births	Risk-Adjusted Number of Low Birth Weight Infants per 100 Births	99% Confidence Interval for Risk-Adjusted Number
State Total	17,183	355,454	4.83	5.79	4.85	
Anderson	34	671	5.07	5.80	5.08**	(3.30, 6.85)
Andrews	6	37	16.22	5.82	16.17	(8.65, 23.69)
Angelina	41	1,302	3.15	5.79	3.16*	(1.89, 4.43)
Aransas	12	230	5.22	5.77	5.25	(2.22, 8.28)
Archer	Less Than 5					
Armstrong	Less Than 5					
Atascosa	31	691	4.49	5.79	4.50	(2.75, 6.25)
Austin	9	247	3.64	5.78	3.66	(0.74, 6.59)
Bailey	6	63	9.52	5.77	9.58	(3.79, 15.37)
Bandera	Less Than 5					
Bastrop	44	860	5.12	5.77	5.15	(3.58, 6.72)
Baylor	Less Than 5					
Bee	28	386	7.25	5.77	7.30**	(4.96, 9.64)
Bell	180	3,338	5.39	5.78	5.41	(4.62, 6.21)
Bexar	1,033	23,129	4.47	5.79	4.48*	(4.18, 4.78)
Blanco	Less Than 5					
Borden	Less Than 5					
Bosque	9	155	5.81	5.79	5.83	(2.14, 9.51)
Bowie	45	864	5.21	5.78	5.23	(3.67, 6.80)
Brazoria	213	4,224	5.04	5.78	5.06	(4.36, 5.77)
Brazos	118	2,444	4.83	5.79	4.84	(3.91, 5.77)
Brewster	5	103	4.85	5.75	4.90	(0.36, 9.44)
Briscoe	Less Than 5					
Brooks	5	145	3.45	5.77	3.47	(0.00, 7.29)
Brown	27	471	5.73	5.78	5.75	(3.64, 7.87)
Burleson	10	211	4.74	5.79	4.75	(1.59, 7.91)
Burnet	9	334	2.69	5.78	2.71	(0.19, 5.22)
Caldwell	14	511	2.74	5.78	2.75*	(0.72, 4.79)
Calhoun	9	184	4.89	5.81	4.89	(1.51, 8.27)
Callahan	Less Than 5					
Cameron	371	8,056	4.61	5.80	4.61	(4.10, 5.12)
Camp	Less Than 5					
Carson	8	69	11.59	5.84	11.54**	(6.03, 17.04)
Cass	13	253	5.14	5.76	5.18	(2.28, 8.07)
Castro	Less Than 5					
Chambers	10	214	4.67	5.78	4.69	(1.55, 7.83)
Cherokee	32	675	4.74	5.78	4.77	(3.00, 6.54)
Childress	Less Than 5					
Clay	Less Than 5					
Cochran	Less Than 5					
Coke	Less Than 5					
Coleman	Less Than 5					
Collin	480	11,053	4.34	5.78	4.36*	(3.92, 4.80)
Collingsworth	Less Than 5					
Colorado	5	66	7.58	5.77	7.62	(1.96, 13.28)
Comal	57	1,297	4.39	5.79	4.41	(3.13, 5.68)

\* 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 5. Low Birth Weight Admission Rate (cont'd)**

County	Low Birth Weight Infants	All Births	Observed Number of Low Birth Weight Infants per 100 Births	Expected Number of Low Birth Weight Infants per 100 Births	Risk-Adjusted Number of Low Birth Weight Infants per 100 Births	99% Confidence Interval for Risk-Adjusted Number
State Total	17,183	355,454	4.83	5.79	4.85	
Comanche	9	150	6.00	5.78	6.03	(2.28, 9.78)
Concho	Less Than 5					
Cooke	12	246	4.88	5.77	4.91	(1.98, 7.84)
Coryell	36	525	6.86	5.80	6.87**	(4.86, 8.87)
Cottle	Less Than 5					
Crane	Less Than 5					
Crockett	Less Than 5					
Crosby	7	101	6.93	5.74	7.01	(2.42, 11.60)
Culberson	Less Than 5					
Dallam	Less Than 5					
Dallas	2,150	41,875	5.13	5.79	5.15**	(4.93, 5.38)
Dawson	13	143	9.09	5.79	9.12**	(5.28, 12.96)
Deaf Smith	9	117	7.69	5.78	7.73	(3.48, 11.97)
Delta	Less Than 5					
Denton	311	7,866	3.95	5.79	3.97	(3.45, 4.48)
De Witt	9	103	8.74	5.77	8.79	(4.26, 13.32)
Dickens	Less Than 5					
Dimmit	Less Than 5					
Donley	Less Than 5					
Duval	11	211	5.21	5.82	5.21	(2.05, 8.36)
Eastland	13	159	8.18	5.80	8.18	(4.54, 11.81)
Ector	106	2,213	4.79	5.79	4.81	(3.83, 5.78)
Edwards	Less Than 5					
Ellis	119	2,022	5.89	5.79	5.91**	(4.88, 6.93)
El Paso	573	12,974	4.42	5.79	4.43*	(4.03, 4.83)
Erath	27	469	5.76	5.79	5.77	(3.65, 7.89)
Falls	6	183	3.28	5.80	3.28	(0.00, 6.67)
Fannin	11	382	2.88	5.78	2.89	(0.54, 5.24)
Fayette	Less Than 5					
Fisher	Less Than 5					
Floyd	Less Than 5					
Foard	Less Than 5					
Fort Bend	335	6,019	5.57	5.78	5.59**	(5.00, 6.18)
Franklin	Less Than 5					
Freestone	9	217	4.15	5.79	4.16	(1.04, 7.28)
Frio	Less Than 5					
Gaines	6	67	8.96	5.74	9.06	(3.43, 14.70)
Galveston	209	4,086	5.12	5.79	5.13	(4.41, 5.85)
Garza	5	51	9.80	5.86	9.71	(3.33, 16.10)
Gillespie	Less Than 5					
Glasscock	Less Than 5					
Goliad	Less Than 5					
Gonzales	8	197	4.06	5.81	4.06	(0.79, 7.32)
Gray	14	302	4.64	5.78	4.66	(2.01, 7.30)
Grayson	83	1,542	5.38	5.80	5.39	(4.22, 6.56)
Gregg	94	2,002	4.70	5.78	4.72	(3.69, 5.74)

\* 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 5. Low Birth Weight Admission Rate (cont'd)**

County	Low Birth Weight Infants	All Births	Observed Number of Low Birth Weight Infants per 100 Births	Expected Number of Low Birth Weight Infants per 100 Births	Risk-Adjusted Number of Low Birth Weight Infants per 100 Births	99% Confidence Interval for Risk-Adjusted Number
State Total	17,183	355,454	4.83	5.79	4.85	
Grimes	18	335	5.37	5.79	5.39	(2.88, 7.90)
Guadalupe	46	1,146	4.01	5.78	4.04	(2.68, 5.39)
Hale	35	585	5.98	5.80	5.99	(4.10, 7.89)
Hall	Less Than 5					
Hamilton	Less Than 5					
Hansford	Less Than 5					
Hardeman	Less Than 5					
Hardin	25	616	4.06	5.78	4.07	(2.22, 5.93)
Harris	3,114	62,820	4.96	5.79	4.97	(4.79, 5.16)
Harrison	35	627	5.58	5.79	5.60	(3.76, 7.43)
Hartley	Less Than 5					
Haskell	Less Than 5					
Hays	71	1,753	4.05	5.79	4.06	(2.96, 5.16)
Hemphill	Less Than 5					
Henderson	33	839	3.93	5.77	3.96	(2.37, 5.55)
Hidalgo	664	15,573	4.26	5.79	4.28*	(3.91, 4.65)
Hill	19	472	4.03	5.79	4.04	(1.92, 6.15)
Hockley	14	341	4.11	5.77	4.13	(1.64, 6.62)
Hood	27	548	4.93	5.78	4.95	(2.99, 6.91)
Hopkins	7	67	10.45	5.77	10.51**	(4.89, 16.12)
Houston	8	237	3.38	5.78	3.39	(0.41, 6.38)
Howard	22	453	4.86	5.78	4.88	(2.72, 7.04)
Hudspeth	Less Than 5					
Hunt	34	979	3.47	5.77	3.49	(2.02, 4.96)
Hutchinson	6	182	3.30	5.80	3.30	(0.00, 6.70)
Irion	Less Than 5					
Jack	5	52	9.62	5.85	9.55	(3.22, 15.88)
Jackson	9	199	4.52	5.82	4.51	(1.27, 7.76)
Jasper	23	422	5.45	5.78	5.47	(3.24, 7.71)
Jeff Davis	Less Than 5					
Jefferson	201	3,191	6.30	5.79	6.32**	(5.51, 7.13)
Jim Hogg	9	95	9.47	5.76	9.54	(4.82, 14.26)
Jim Wells	40	688	5.81	5.78	5.84	(4.09, 7.59)
Johnson	108	2,123	5.09	5.78	5.11	(4.11, 6.11)
Jones	6	172	3.49	5.77	3.51	(0.00, 7.02)
Karnes	6	160	3.75	5.79	3.76	(0.13, 7.39)
Kaufman	78	1,415	5.51	5.79	5.53	(4.31, 6.75)
Kendall	5	307	1.63	5.80	1.63*	(0.00, 4.25)
Kenedy	Less Than 5					
Kent	Less Than 5					
Kerr	24	444	5.41	5.77	5.44	(3.25, 7.62)
Kimble	Less Than 5					
King	Less Than 5					
Kinney	Less Than 5					
Kleberg	28	508	5.51	5.78	5.53	(3.50, 7.57)
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 5. Low Birth Weight Admission Rate (cont'd)**

County	Low Birth Weight Infants	All Births	Observed Number of Low Birth Weight Infants per 100 Births	Expected Number of Low Birth Weight Infants per 100 Births	Risk-Adjusted Number of Low Birth Weight Infants per 100 Births	99% Confidence Interval for Risk-Adjusted Number
State Total	17,183	355,454	4.83	5.79	4.85	
Lamar	29	537	5.40	5.78	5.42	(3.44, 7.40)
Lamb	6	150	4.00	5.76	4.03	(0.27, 7.79)
Lampasas	5	200	2.50	5.76	2.52	(0.00, 5.78)
La Salle	Less Than 5					
Lavaca	10	234	4.27	5.79	4.29	(1.29, 7.29)
Lee	10	112	8.93	5.82	8.91	(4.59, 13.24)
Leon	7	219	3.20	5.79	3.21	(0.10, 6.31)
Liberty	44	1,163	3.78	5.80	3.79	(2.44, 5.14)
Limestone	14	290	4.83	5.80	4.83	(2.14, 7.53)
Lipscomb	Less Than 5					
Live Oak	Less Than 5					
Llano	Less Than 5					
Loving	Less Than 5					
Lubbock	239	3,801	6.29	5.79	6.31**	(5.57, 7.05)
Lynn	Less Than 5					
McCulloch	6	90	6.67	5.82	6.65	(1.82, 11.47)
McClennan	165	3,314	4.98	5.78	5.00	(4.20, 5.80)
McMullen	Less Than 5					
Madison	13	131	9.92	5.79	9.95**	(5.94, 13.96)
Marion	5	65	7.69	5.82	7.68	(2.00, 13.36)
Martin	Less Than 5					
Mason	Less Than 5					
Matagorda	26	521	4.99	5.79	5.00	(2.99, 7.01)
Maverick	62	1,034	6.00	5.79	6.01	(4.59, 7.44)
Medina	17	360	4.72	5.79	4.73	(2.32, 7.15)
Menard	Less Than 5					
Midland	89	1,891	4.71	5.78	4.73	(3.67, 5.78)
Milam	20	314	6.37	5.77	6.41	(3.81, 9.00)
Mills	Less Than 5					
Mitchell	Less Than 5					
Montague	7	56	12.50	5.75	12.62**	(6.47, 18.78)
Montgomery	258	5,439	4.74	5.79	4.76	(4.14, 5.38)
Moore	10	412	2.43	5.78	2.44*	(0.17, 4.70)
Morris	17	157	10.83	5.76	10.92**	(7.25, 14.60)
Motley	Less Than 5					
Nacogdoches	19	801	2.37	5.79	2.38*	(0.76, 4.00)
Navarro	43	691	6.22	5.77	6.26	(4.51, 8.01)
Newton	6	121	4.96	5.82	4.94	(0.78, 9.10)
Nolan	8	77	10.39	5.83	10.36**	(5.14, 15.57)
Nueces	281	5,004	5.62	5.78	5.64**	(4.99, 6.29)
Ochiltree	6	35	17.14	5.85	17.01**	(9.29, 24.72)
Oldham	Less Than 5					
Orange	54	1,017	5.31	5.77	5.34	(3.90, 6.79)
Palo Pinto	14	385	3.64	5.79	3.65	(1.31, 5.99)
Panola	7	243	2.88	5.76	2.91	(0.00, 5.86)
Parker	47	1,012	4.64	5.78	4.66	(3.22, 6.11)

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

**Table 5. Low Birth Weight Admission Rate (cont'd)**

County	Low Birth Weight Infants	All Births	Observed Number of Low Birth Weight Infants per 100 Births	Expected Number of Low Birth Weight Infants per 100 Births	Risk-Adjusted Number of Low Birth Weight Infants per 100 Births	99% Confidence Interval for Risk-Adjusted Number
State Total	17,183	355,454	4.83	5.79	4.85	
Parmer	Less Than 5					
Pecos	Less Than 5					
Polk	24	504	4.76	5.78	4.78	(2.74, 6.83)
Potter	120	2,219	5.41	5.79	5.42	(4.45, 6.39)
Presidio	9	175	5.14	5.77	5.18	(1.70, 8.66)
Rains	Less Than 5					
Randall	59	1,564	3.77	5.78	3.79	(2.63, 4.95)
Reagan	Less Than 5					
Real	Less Than 5					
Red River	10	106	9.43	5.78	9.47**	(5.01, 13.93)
Reeves	Less Than 5					
Refugio	Less Than 5					
Roberts	Less Than 5					
Robertson	14	235	5.96	5.75	6.01	(3.01, 9.02)
Rockwall	51	860	5.93	5.79	5.94	(4.38, 7.51)
Runnels	5	152	3.29	5.78	3.31	(0.00, 7.03)
Rusk	37	546	6.78	5.79	6.79	(4.83, 8.76)
Sabine	Less Than 5					
San Augustine	5	79	6.33	5.78	6.36	(1.19, 11.52)
San Jacinto	9	199	4.52	5.78	4.55	(1.29, 7.80)
San Patricio	52	1,144	4.55	5.78	4.56	(3.21, 5.92)
San Saba	Less Than 5					
Schleicher	Less Than 5					
Scurry	7	60	11.67	5.75	11.78**	(5.83, 17.72)
Shackelford	Less Than 5					
Shelby	11	218	5.05	5.78	5.06	(1.95, 8.18)
Sherman	Less Than 5					
Smith	148	2,766	5.35	5.79	5.37	(4.50, 6.24)
Somervell	Less Than 5					
Starr	51	1,444	3.53	5.79	3.54*	(2.34, 4.75)
Stephens	Less Than 5					
Sterling	Less Than 5					
Stonewall	Less Than 5					
Sutton	Less Than 5					
Swisher	15	125	12.00	5.81	11.99**	(7.89, 16.09)
Tarrant	1,337	26,237	5.10	5.78	5.12	(4.83, 5.40)
Taylor	84	2,052	4.09	5.79	4.11	(3.09, 5.12)
Terrell	Less Than 5					
Terry	7	123	5.69	5.75	5.75	(1.59, 9.90)
Throckmorton	Less Than 5					
Titus	12	411	2.92	5.79	2.93	(0.66, 5.19)
Tom Green	77	1,535	5.02	5.79	5.03	(3.86, 6.20)
Travis	631	14,326	4.40	5.79	4.42*	(4.04, 4.80)
Trinity	11	154	7.14	5.80	7.15	(3.45, 10.84)
Tyler	6	234	2.56	5.80	2.57	(0.00, 5.57)
Upshur	20	417	4.80	5.78	4.82	(2.57, 7.07)

\* 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 5. Low Birth Weight Admission Rate (cont'd)**

County	Low Birth Weight Infants	All Births	Observed Number of Low Birth Weight Infants per 100 Births	Expected Number of Low Birth Weight Infants per 100 Births	Risk-Adjusted Number of Low Birth Weight Infants per 100 Births	99% Confidence Interval for Risk-Adjusted Number
State Total	17,183	355,454	4.83	5.79	4.85	
Upton	Less Than 5					
Uvalde	7	92	7.61	5.77	7.66	(2.87, 12.46)
Val Verde	31	919	3.37	5.80	3.38	(1.87, 4.89)
Van Zandt	22	488	4.51	5.78	4.53	(2.45, 6.61)
Victoria	102	1,409	7.24	5.79	7.25**	(6.03, 8.48)
Walker	32	643	4.98	5.79	4.99	(3.18, 6.81)
Waller	12	330	3.64	5.80	3.64	(1.11, 6.16)
Ward	9	145	6.21	5.82	6.19	(2.39, 9.99)
Washington	23	194	11.86	5.80	11.87**	(8.58, 15.16)
Webb	177	5,680	3.12	5.79	3.12*	(2.52, 3.73)
Wharton	42	656	6.40	5.78	6.43	(4.64, 8.23)
Wheeler	Less Than 5					
Wichita	93	1,857	5.01	5.77	5.04	(3.97, 6.11)
Wilbarger	12	194	6.19	5.81	6.18	(2.89, 9.47)
Willacy	7	331	2.11	5.80	2.12*	(0.00, 4.64)
Williamson	236	5,279	4.47	5.79	4.49	(3.85, 5.12)
Wilson	21	385	5.45	5.78	5.48	(3.14, 7.82)
Winkler	Less Than 5					
Wise	24	209	11.48	5.74	11.61**	(8.42, 14.79)
Wood	7	263	2.66	5.79	2.67	(0.00, 5.50)
Yoakum	6	28	21.43	5.76	21.61**	(12.91, 30.31)
Young	9	87	10.34	5.78	10.39**	(5.46, 15.31)
Zapata	12	290	4.14	5.78	4.16	(1.46, 6.86)
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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