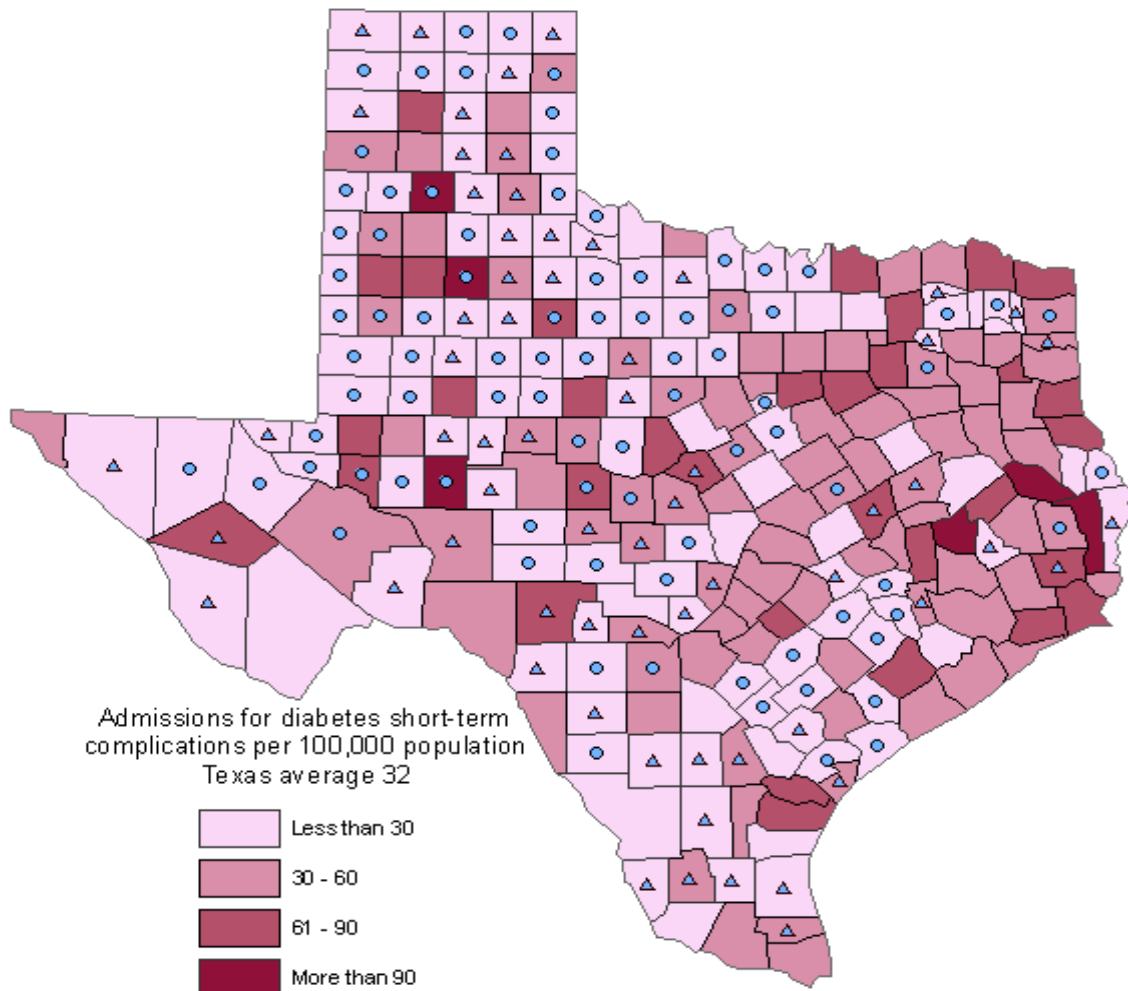


13. Diabetes Short-Term Complication

Diabetes is a disease in which the body does not produce or properly use insulin. Insulin is a hormone that is needed to convert sugar into energy needed for daily life. Short-term complications are a result of extreme fluctuations in blood sugar levels and can be quite serious. Extreme dizziness and fainting can indicate hypoglycemia (low blood sugar) or hyperglycemia (high blood sugar), and if not brought under control, seizures, shock or coma can occur. Diabetics need to monitor their blood sugar levels carefully and adjust their diet and/or medications accordingly. Regular and careful monitoring and management of diabetes in the outpatient setting can often reduce the risk of developing complications from the disease. Patient compliance with treatment plans is essential to the preventive management of diabetes. Cultural and linguistic factors may affect interactions with health care providers and the system.



* 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.

13. Diabetes Short-Term Complication, page 2

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

County	Admissions	Population	Observed Admissions per 100,000 Population	Risk-Adjusted Admissions per 100,000 Population	99% Confidence Interval for Risk-Adjusted Admissions
State of Texas	7,218	15,678,989	46.0	47.6	
Anderson	16	43,138	37.1	37.2	(15.5, 58.9)
Andrews	Less than 5	9,026			
Angelina	58	58,616	98.9	103.1 **	(72.1, 134.1)
Aransas	6	17,723	33.9	36.9	(3.1, 70.6)
Archer	0	6,641	0.0	0.6 *	(0.0, 7.9)
Armstrong	0	1,594	0.0	1.0 *	(0.0, 19.0)
Atascosa	7	28,584	24.5	25.5	(3.4, 47.7)
Austin	Less than 5	18,205			
Bailey	Less than 5	4,544			
Bandera	Less than 5	14,679			
Bastrop	21	46,630	45.0	46.9	(23.5, 70.4)
Baylor	0	3,037	0.0	1.7 *	(0.0, 18.9)
Bee	7	24,775	28.3	27.7	(3.0, 52.4)
Bell	92	170,238	54.0	55.1	(41.8, 68.5)
Bexar	538	1,035,771	51.9	53.9 **	(48.6, 59.3)
Blanco	Less than 5	6,775			
Borden	0	531	0.0	1.1 *	(0.0, 34.4)
Bosque	Less than 5	13,430			
Bowie	43	67,967	63.3	65.5	(42.6, 88.5)
Brazoria	94	185,574	50.7	52.7	(40.2, 65.1)
Brazos	48	119,106	40.3	34.9 *	(22.2, 47.6)
Brewster	Less than 5	6,956			
Briscoe	0	1,239	0.0	1.4 *	(0.0, 26.5)
Brooks	0	5,331	0.0	0.4 *	(0.0, 7.0)
Brown	17	28,238	60.2	63.4	(28.3, 98.4)
Burleson	Less than 5	12,417			
Burnet	6	28,101	21.4	23.1 *	(1.9, 44.3)
Caldwell	16	25,382	63.0	65.8	(28.1, 103.4)
Calhoun	0	14,758	0.0	0.5 *	(0.0, 5.0)
Callahan	Less than 5	9,632			
Cameron	118	235,345	50.1	52.4	(41.4, 63.5)
Camp	Less than 5	8,511			
Carson	Less than 5	4,845			
Cass	10	23,061	43.4	46.0	(13.0, 79.1)
Castro	Less than 5	5,473			
Chambers	12	19,839	60.5	63.4	(21.6, 105.3)
Cherokee	16	35,003	45.7	47.6	(20.3, 74.9)

* 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.

13. Diabetes Short-Term Complication, 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 of Texas	7,218	15,678,989	46.0	47.6	
Childress	0	5,850	0.0	0.0 *	(0.0, 0.0)
Clay	Less than 5	8,736			
Cochran	0	2,464	0.0	0.5 *	(0.0, 11.4)
Coke	Less than 5	2,918			
Coleman	0	6,797	0.0	1.4 *	(0.0, 11.9)
Collin	83	407,343	20.4	21.3 *	(16.0, 26.7)
Collingsworth	0	2,327	0.0	0.9 *	(0.0, 15.5)
Colorado	Less than 5	15,221			
Comal	25	64,269	38.9	41.2	(22.5, 59.9)
Comanche	Less than 5	10,189			
Concho	Less than 5	3,242			
Cooke	Less than 5	27,637			
Coryell	16	53,703	29.8	28.6 *	(11.5, 45.6)
Cottle	0	1,359	0.0	1.5 *	(0.0, 25.9)
Crane	Less than 5	2,726			
Crockett	Less than 5	2,792			
Crosby	6	4,788	125.3	132.8	(9.6, 256.0)
Culberson	0	1,949	0.0	1.1 *	(0.0, 18.8)
Dallam	Less than 5	4,214			
Dallas	898	1,643,801	54.6	56.5 **	(52.1, 60.8)
Dawson	Less than 5	11,000			
Deaf Smith	Less than 5	12,328			
Delta	0	4,042	0.0	0.6 *	(0.0, 9.4)
Denton	94	353,299	26.6	26.7 *	(20.3, 33.2)
DeWitt	0	15,462	0.0	0.3 *	(0.0, 3.5)
Dickens	Less than 5	2,222			
Dimmit	0	6,983	0.0	0.1 *	(0.0, 2.4)
Donley	Less than 5	2,968			
Duval	Less than 5	9,215			
Eastland	Less than 5	13,945			
Ector	60	85,954	69.8	72.9 **	(51.4, 94.4)
Edwards	Less than 5	1,499			
Ellis	64	85,378	75.0	78.4 **	(55.9, 100.8)
El Paso	253	477,015	53.0	55.5	(47.5, 63.5)
Erath	8	24,840	32.2	31.6	(5.2, 57.9)
Falls	Less than 5	13,263			
Fannin	10	24,427	40.9	42.5	(11.6, 73.3)
Fayette	0	17,323	0.0	0.5 *	(0.0, 4.5)

* 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.

13. Diabetes Short-Term Complication, 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 of Texas	7,218	15,678,989	46.0	47.6	
Fisher	0	3,293	0.0	1.2 *	(0.0, 15.7)
Floyd	Less than 5	5,153			
Foard	0	1,160	0.0	1.1 *	(0.0, 23.7)
Fort Bend	70	280,801	24.9	26.1 *	(18.9, 33.2)
Franklin	Less than 5	7,503			
Freestone	Less than 5	14,342			
Frio	Less than 5	11,665			
Gaines	0	9,500	0.0	0.0 *	(0.0, 0.0)
Galveston	101	192,663	52.4	54.8	(42.3, 67.3)
Garza	Less than 5	3,592			
Gillespie	0	17,152	0.0	1.7 *	(0.0, 9.0)
Glasscock	0	948	0.0	0.6 *	(0.0, 18.5)
Goliad	0	5,395	0.0	1.1 *	(0.0, 11.6)
Gonzales	Less than 5	13,762			
Gray	5	16,812	29.7	31.4	(0.0, 63.3)
Grayson	52	85,244	61.0	63.6	(43.4, 83.8)
Gregg	60	83,114	72.2	75.2 **	(52.9, 97.4)
Grimes	13	18,780	69.2	71.9	(26.2, 117.7)
Guadalupe	24	68,383	35.1	36.8	(19.7, 54.0)
Hale	10	25,011	40.0	41.6	(11.4, 71.8)
Hall	Less than 5	2,673			
Hamilton	Less than 5	6,224			
Hansford	0	3,785	0.0	1.1 *	(0.0, 13.7)
Hardeman	0	3,381	0.0	0.7 *	(0.0, 11.4)
Hardin	22	36,046	61.0	64.0	(32.8, 95.2)
Harris	1,248	2,536,612	49.2	50.9	(47.6, 54.2)
Harrison	21	46,213	45.4	47.5	(23.7, 71.2)
Hartley	0	4,347	0.0	0.1 *	(0.0, 3.9)
Haskell	0	4,562	0.0	1.5 *	(0.0, 14.8)
Hays	29	81,634	35.5	34.1	(19.0, 49.3)
Hemphill	Less than 5	2,493			
Henderson	24	57,676	41.6	44.2	(23.7, 64.7)
Hidalgo	159	399,745	39.8	41.0	(33.5, 48.5)
Hill	14	25,148	55.7	58.5	(22.8, 94.2)
Hockley	10	16,286	61.4	64.1	(17.7, 110.5)
Hood	16	34,183	46.8	49.8	(21.6, 78.1)
Hopkins	Less than 5	24,081			
Houston	5	18,038	27.7	29.1	(0.0, 58.8)

* 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.

13. Diabetes Short-Term Complication, 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 of Texas	7,218	15,678,989	46.0	47.6	
Howard	18	25,186	71.5	74.1	(34.0, 114.2)
Hudspeth	0	2,277	0.0	0.7 *	(0.0, 13.3)
Hunt	35	58,713	59.6	62.0	(38.0, 86.1)
Hutchinson	Less than 5	16,843			
Irion	0	1,332	0.0	1.6 *	(0.0, 27.0)
Jack	Less than 5	6,865			
Jackson	Less than 5	10,541			
Jasper	33	26,493	124.6	130.6 **	(78.7, 182.5)
Jeff Davis	Less than 5	1,715			
Jefferson	152	185,485	81.9	85.0 **	(69.2, 100.9)
Jim Hogg	Less than 5	3,615			
Jim Wells	14	27,926	50.1	53.0	(20.7, 85.2)
Johnson	67	98,667	67.9	70.9 **	(51.1, 90.7)
Jones	Less than 5	15,889			
Karnes	Less than 5	12,061			
Kaufman	36	56,241	64.0	67.0	(41.5, 92.6)
Kendall	5	18,814	26.6	28.8	(0.0, 57.8)
Kenedy	0	301	0.0	0.0 *	(0.0, 0.0)
Kent	0	654	0.0	1.5 *	(0.0, 36.3)
Kerr	8	34,935	22.9	25.1 *	(5.2, 44.9)
Kimble	0	3,493	0.0	1.5 *	(0.0, 16.7)
King	0	226	0.0	0.1 *	(0.0, 16.7)
Kinney	0	2,620	0.0	2.1 *	(0.0, 23.2)
Kleberg	5	22,497	22.2	21.6 *	(0.0, 44.6)
Knox	0	2,945	0.0	1.5 *	(0.0, 17.9)
Lamar	12	36,376	33.0	34.7	(11.8, 57.5)
Lamb	Less than 5	10,482			
Lampasas	5	13,929	35.9	38.0	(0.0, 76.6)
La Salle	0	4,194	0.0	0.0 *	(0.0, 0.0)
Lavaca	5	14,531	34.4	36.5	(0.0, 73.5)
Lee	Less than 5	11,738			
Leon	5	12,162	41.1	44.1	(0.0, 88.6)
Liberty	29	53,939	53.8	55.9	(32.1, 79.7)
Limestone	7	16,720	41.9	43.7	(5.9, 81.6)
Lipscomb	0	2,300	0.0	1.1 *	(0.0, 17.4)
Live Oak	5	9,489	52.7	54.7	(0.0, 110.8)
Llano	Less than 5	14,886			
Loving	0	53	0.0	3.7	(0.0, 199.8)

* 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.

13. Diabetes Short-Term Complication, 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 of Texas	7,218	15,678,989	46.0	47.6	
Lubbock	136	182,713	74.4	75.8 **	(60.8, 90.9)
Lynn	0	4,453	0.0	0.4 *	(0.0, 7.7)
McCulloch	Less than 5	5,873			
McLennan	60	158,695	37.8	37.9	(26.5, 49.4)
McMullen	0	682	0.0	1.3 *	(0.0, 33.0)
Madison	5	10,290	48.6	48.7	(0.0, 99.6)
Marion	Less than 5	8,649			
Martin	0	3,187	0.0	0.9 *	(0.0, 13.4)
Mason	Less than 5	2,966			
Matagorda	12	27,046	44.4	46.6	(15.9, 77.3)
Maverick	15	31,350	47.8	50.7	(21.0, 80.5)
Medina	9	29,570	30.4	32.0	(7.7, 56.4)
Menard	Less than 5	1,807			
Midland	42	83,377	50.4	53.0	(34.4, 71.7)
Milam	Less than 5	18,176			
Mills	Less than 5	3,902			
Mitchell	0	7,462	0.0	0.0 *	(0.0, 0.0)
Montague	0	14,659	0.0	1.1 *	(0.0, 7.5)
Montgomery	71	235,981	30.1	31.5 *	(23.0, 40.1)
Moore	Less than 5	13,589			
Morris	0	9,993	0.0	0.8 *	(0.0, 7.2)
Motley	0	1,025	0.0	2.1 *	(0.0, 35.6)
Nacogdoches	22	44,171	49.8	49.5	(24.7, 74.2)
Navarro	18	34,083	52.8	55.1	(25.4, 84.9)
Newton	Less than 5	11,243			
Nolan	Less than 5	11,127			
Nueces	152	226,363	67.1	70.0 **	(56.9, 83.0)
Ochiltree	0	6,376	0.0	0.4 *	(0.0, 6.0)
Oldham	0	1,447	0.0	1.1 *	(0.0, 21.5)
Orange	31	62,309	49.8	52.3	(30.8, 73.7)
Palo Pinto	0	20,341	0.0	0.6 *	(0.0, 4.7)
Panola	13	17,129	75.9	79.4	(29.1, 129.8)
Parker	35	70,020	50.0	52.4	(32.1, 72.6)
Parmer	0	6,711	0.0	0.1 *	(0.0, 2.6)
Pecos	5	12,025	41.6	42.7	(0.0, 86.7)
Polk	13	34,454	37.7	39.7	(14.6, 64.8)
Potter	52	82,935	62.7	64.5	(43.9, 85.2)
Presidio	Less than 5	5,215			

* 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.

13. Diabetes Short-Term Complication, 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 of Texas	7,218	15,678,989	46.0	47.6	
Rains	Less than 5	7,891			
Randall	30	79,598	37.7	39.0	(22.6, 55.4)
Reagan	Less than 5	2,137			
Real	0	2,314	0.0	1.9*	(0.0, 23.3)
Red River	9	10,665	84.4	88.3	(21.0, 155.6)
Reeves	0	8,875	0.0	0.0*	(0.0, 0.0)
Refugio	0	5,760	0.0	0.8*	(0.0, 9.2)
Roberts	0	656	0.0	1.8*	(0.0, 41.0)
Robertson	9	11,532	78.0	82.2	(19.7, 144.6)
Rockwall	19	36,507	52.0	54.5	(25.9, 83.1)
Runnels	Less than 5	8,259			
Rusk	17	36,131	47.1	49.1	(21.8, 76.3)
Sabine	Less than 5	8,224			
San Augustine	Less than 5	6,821			
San Jacinto	Less than 5	17,626			
San Patricio	39	46,738	83.4	87.7**	(55.6, 119.7)
San Saba	Less than 5	4,509			
Schleicher	0	2,161	0.0	0.7*	(0.0, 14.3)
Scurry	Less than 5	11,887			
Shackelford	Less than 5	2,514			
Shelby	16	18,820	85.0	88.6	(37.8, 139.3)
Sherman	0	2,300	0.0	0.5*	(0.0, 11.3)
Smith	75	133,789	56.1	58.5	(43.0, 74.0)
Somervell	Less than 5	5,302			
Starr	6	35,840	16.7	16.9*	(0.8, 33.0)
Stephens	Less than 5	7,187			
Sterling	0	993	0.0	0.7*	(0.0, 20.1)
Stonewall	Less than 5	1,199			
Sutton	0	2,975	0.0	1.0*	(0.0, 14.5)
Swisher	6	5,848	102.6	107.9	(7.4, 208.3)
Tarrant	489	1,099,370	44.5	46.0	(41.2, 50.8)
Taylor	76	91,077	83.4	86.6**	(63.8, 109.4)
Terrell	0	750	0.0	2.3*	(0.0, 43.0)
Terry	Less than 5	9,212			
Throckmorton	0	1,308	0.0	1.6*	(0.0, 27.5)
Titus	Less than 5	19,781			
Tom Green	34	75,815	44.8	46.1	(27.8, 64.3)
Travis	214	642,139	33.3	33.0*	(27.7, 38.3)

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

13. Diabetes Short-Term Complication, 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 of Texas	7,218	15,678,989	46.0	47.6	
Trinity	8	10,906	73.4	77.5	(15.1, 139.8)
Tyler	5	16,011	31.2	33.1	(0.0, 66.8)
Upshur	14	27,088	51.7	54.5	(21.3, 87.7)
Upton	0	2,387	0.0	0.6 *	(0.0, 12.8)
Uvalde	Less than 5	18,332			
Val Verde	15	31,441	47.7	50.4	(20.8, 80.0)
Van Zandt	11	37,894	29.0	31.1	(9.9, 52.2)
Victoria	29	60,919	47.6	49.9	(28.7, 71.1)
Walker	57	49,815	114.4	116.0 **	(80.3, 151.7)
Waller	11	24,817	44.3	44.5	(13.2, 75.8)
Ward	0	7,418	0.0	1.0 *	(0.0, 9.3)
Washington	Less than 5	23,012			
Webb	36	132,563	27.2	27.7 *	(17.0, 38.4)
Wharton	24	29,827	80.5	84.4	(45.0, 123.7)
Wheeler	0	3,833	0.0	1.3 *	(0.0, 15.0)
Wichita	39	95,608	40.8	41.9	(26.4, 57.4)
Wilbarger	0	10,173	0.0	0.2 *	(0.0, 3.0)
Willacy	8	13,805	58.0	60.3	(11.4, 109.1)
Williamson	61	205,348	29.7	30.8 *	(21.8, 39.9)
Wilson	Less than 5	24,929			
Winkler	Less than 5	4,964			
Wise	0	38,498	0.0	0.2 *	(0.0, 1.7)
Wood	16	29,859	53.6	56.6	(24.4, 88.8)
Yoakum	Less than 5	5,067			
Young	Less than 5	13,408			
Zapata	Less than 5	8,655			
Zavala	0	7,765	0.0	0.0 *	(0.0, 0.0)

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