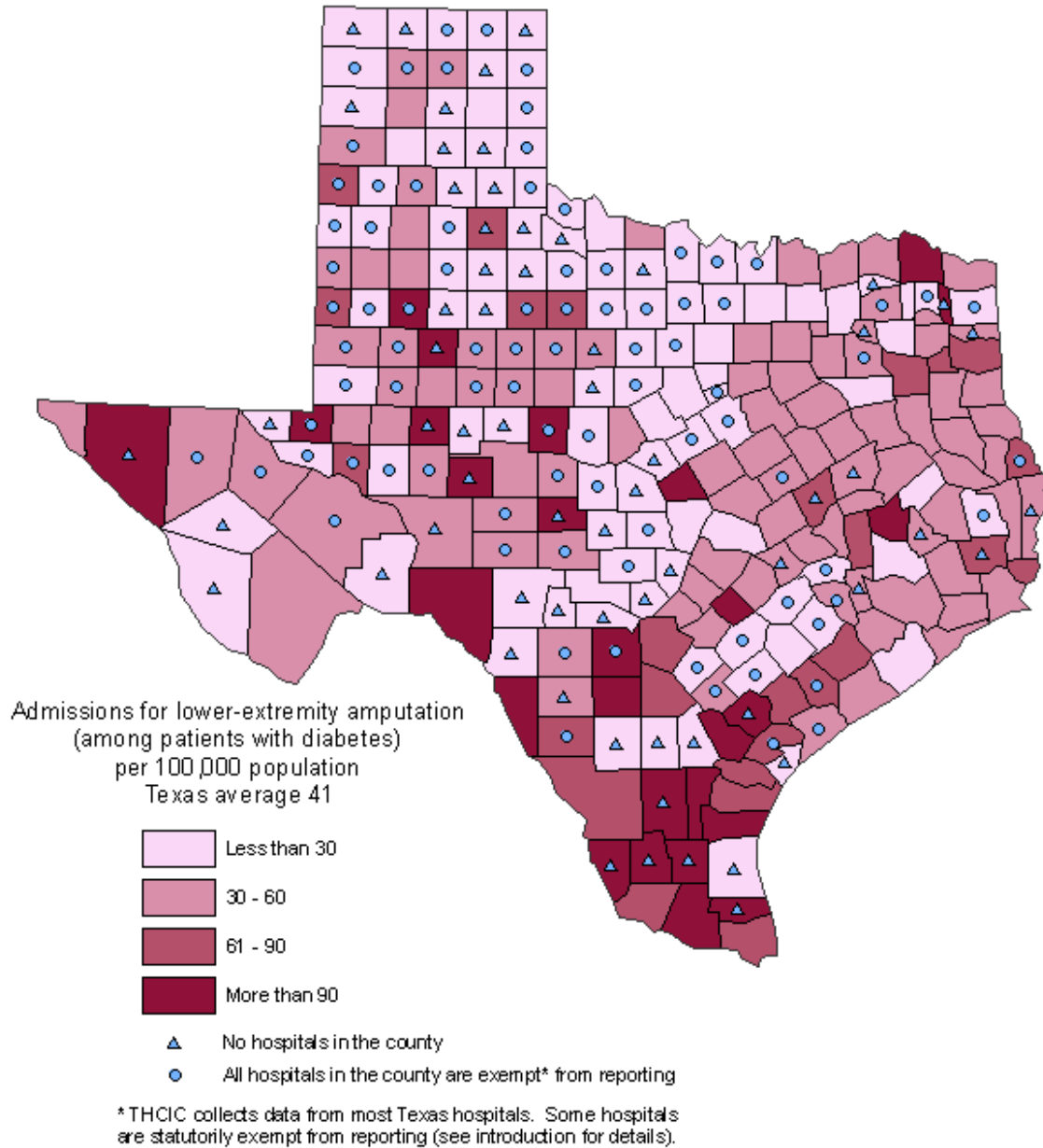


16. Lower-Extremity Amputation Among Patients with Diabetes

Lower extremity amputation (LEA) is a costly and disabling procedure. According to the American Diabetes Association, about 60-70% of people with diabetes have mild to severe forms of diabetic nerve damage, which in severe forms, can lead to the need for lower limb amputations. In fact, diabetes is the most frequent cause of lower limb amputations that were not made necessary by an injury. The risk of a leg amputation is 15-40 times greater for a person with diabetes than for a non-diabetic. Each year, 56,200 people lose a foot or leg to diabetes.



16. Lower-Extremity Amputation Among Patients with Diabetes, 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 Total	6,634	15,678,989	42.3	48.0	
Anderson	11	43,138	25.5	29.7	(10.3, 49.1)
Andrews	Less than 5	9,026			
Angelina	28	58,616	47.8	47.5	(26.4, 68.5)
Aransas	Less than 5	17,723			
Archer	Less than 5	6,641			
Armstrong	0	1,594	0.0	0.0 *	(0.0, 0.0)
Atascosa	20	28,584	70.0	73.8	(36.2, 111.4)
Austin	7	18,205	38.5	33.8	(1.9, 65.7)
Bailey	0	4,544	0.0	0.0 *	(0.0, 0.0)
Bandera	5	14,679	34.1	22.9	(0.0, 52.1)
Bastrop	17	46,630	36.5	40.4	(18.6, 62.1)
Baylor	0	3,037	0.0	0.0 *	(0.0, 0.0)
Bee	23	24,775	92.8	103.9 **	(56.0, 151.8)
Bell	52	170,238	30.5	39.0	(27.8, 50.2)
Bexar	644	1,035,771	62.2	68.4 **	(62.4, 74.4)
Blanco	Less than 5	6,775			
Borden	Less than 5	531			
Bosque	Less than 5	13,430			
Bowie	40	67,967	58.9	58.0	(36.4, 79.7)
Brazoria	44	185,574	23.7	28.9 *	(19.6, 38.1)
Brazos	34	119,106	28.5	47.1	(32.4, 61.8)
Brewster	Less than 5	6,956			
Briscoe	0	1,239	0.0	0.0 *	(0.0, 0.0)
Brooks	12	5,331	225.1	228.5 **	(75.5, 381.5)
Brown	12	28,238	42.5	35.7	(9.4, 62.1)
Burleson	6	12,417	48.3	41.0	(0.0, 83.5)
Burnet	5	28,101	17.8	7.5 *	(0.0, 19.6)
Caldwell	26	25,382	102.4	107.8 **	(59.6, 156.0)
Calhoun	9	14,758	61.0	56.5	(10.7, 102.2)
Callahan	Less than 5	9,632			
Cameron	176	235,345	74.8	80.0 **	(66.3, 93.6)
Camp	5	8,511	58.7	52.1	(0.0, 110.0)
Carson	0	4,845	0.0	0.0 *	(0.0, 0.0)
Cass	8	23,061	34.7	23.2 *	(0.0, 46.7)
Castro	0	5,473	0.0	0.0 *	(0.0, 0.0)
Chambers	6	19,839	30.2	34.2	(3.5, 64.9)
Cherokee	15	35,003	42.9	39.1	(14.4, 63.8)

* 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.

16. Lower-Extremity Amputation Among Patients with Diabetes,
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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	6,634	15,678,989	42.3	48.0	
Childress	0	5,850	0.0	0.0 *	(0.0, 0.0)
Clay	0	8,736	0.0	0.0 *	(0.0, 0.0)
Cochran	Less than 5	2,464			
Coke	0	2,918	0.0	0.0 *	(0.0, 0.0)
Coleman	Less than 5	6,797			
Collin	50	407,343	12.3	24.6 *	(18.8, 30.3)
Collingsworth	Less than 5	2,327			
Colorado	6	15,221	39.4	28.6	(0.0, 60.7)
Comal	26	64,269	40.5	35.0	(17.8, 52.3)
Comanche	Less than 5	10,189			
Concho	Less than 5	3,242			
Cooke	Less than 5	27,637			
Coryell	8	53,703	14.9	32.3	(14.2, 50.5)
Cottle	0	1,359	0.0	0.0 *	(0.0, 0.0)
Crane	Less than 5	2,726			
Crockett	Less than 5	2,792			
Crosby	Less than 5	4,788			
Culberson	Less than 5	1,949			
Dallam	0	4,214	0.0	0.2 *	(0.0, 5.2)
Dallas	636	1,643,801	38.7	48.7	(44.7, 52.7)
Dawson	Less than 5	11,000			
Deaf Smith	Less than 5	12,328			
Delta	Less than 5	4,042			
Denton	37	353,299	10.5	25.0 *	(18.8, 31.2)
DeWitt	Less than 5	15,462			
Dickens	0	2,222	0.0	0.0 *	(0.0, 0.0)
Dimmit	5	6,983	71.6	71.6	(0.0, 146.6)
Donley	0	2,968	0.0	0.0 *	(0.0, 0.0)
Duval	17	9,215	184.5	188.2 **	(82.5, 293.8)
Eastland	Less than 5	13,945			
Ector	36	85,954	41.9	44.6	(27.8, 61.5)
Edwards	0	1,499	0.0	0.0 *	(0.0, 0.0)
Ellis	33	85,378	38.7	44.3	(27.5, 61.2)
El Paso	225	477,015	47.2	52.9	(45.1, 60.7)
Erath	7	24,840	28.2	28.6	(3.5, 53.8)
Falls	7	13,263	52.8	46.5	(2.7, 90.4)
Fannin	13	24,427	53.2	48.5	(15.6, 81.5)
Fayette	Less than 5	17,323			

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

16. Lower-Extremity Amputation Among Patients with Diabetes,
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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	6,634	15,678,989	42.3	48.0	
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	58	280,801	20.7	30.8 *	(23.1, 38.6)
Franklin	0	7,503	0.0	0.0 *	(0.0, 0.0)
Freestone	7	14,342	48.8	43.8	(2.9, 84.6)
Frio	16	11,665	137.2	146.7 **	(63.8, 229.6)
Gaines	Less than 5	9,500			
Galveston	92	192,663	47.8	49.8	(37.9, 61.7)
Garza	Less than 5	3,592			
Gillespie	Less than 5	17,152			
Glasscock	Less than 5	948			
Goliad	7	5,395	129.8	122.7	(11.2, 234.3)
Gonzales	Less than 5	13,762			
Gray	Less than 5	16,812			
Grayson	32	85,244	37.5	33.4 *	(18.7, 48.0)
Gregg	64	83,114	77.0	77.9 **	(55.3, 100.5)
Grimes	13	18,780	69.2	67.4	(23.1, 111.7)
Guadalupe	28	68,383	40.9	42.0	(23.7, 60.4)
Hale	11	25,011	44.0	42.8	(12.2, 73.4)
Hall	0	2,673	0.0	0.0 *	(0.0, 0.0)
Hamilton	Less than 5	6,224			
Hansford	Less than 5	3,785			
Hardeman	Less than 5	3,381			
Hardin	23	36,046	63.8	64.0	(32.8, 95.1)
Harris	968	2,536,612	38.2	48.1	(44.8, 51.3)
Harrison	33	46,213	71.4	71.3	(42.3, 100.4)
Hartley	Less than 5	4,347			
Haskell	Less than 5	4,562			
Hays	24	81,634	29.4	41.7	(25.0, 58.4)
Hemphill	0	2,493	0.0	0.0 *	(0.0, 0.0)
Henderson	21	57,676	36.4	24.8 *	(9.5, 40.2)
Hidalgo	351	399,745	87.8	97.5 **	(86.0, 109.1)
Hill	14	25,148	55.7	47.6	(15.4, 79.7)
Hockley	7	16,286	43.0	42.9	(4.9, 80.8)
Hood	6	34,183	17.6	4.9 *	(0.0, 13.8)
Hopkins	13	24,081	54.0	49.6	(16.0, 83.2)
Houston	12	18,038	66.5	58.2	(16.2, 100.2)

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16. Lower-Extremity Amputation Among Patients with Diabetes,
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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	6,634	15,678,989	42.3	48.0	
Howard	12	25,186	47.6	45.9	(14.3, 77.4)
Hudspeth	Less than 5	2,277			
Hunt	11	58,713	18.7	17.4 *	(4.7, 30.2)
Hutchinson	7	16,843	41.6	34.5	(1.0, 68.0)
Irion	Less than 5	1,332			
Jack	Less than 5	6,865			
Jackson	9	10,541	85.4	81.4	(16.4, 146.3)
Jasper	12	26,493	45.3	39.1	(10.7, 67.5)
Jeff Davis	0	1,715	0.0	0.0 *	(0.0, 0.0)
Jefferson	102	185,485	55.0	54.7	(42.0, 67.4)
Jim Hogg	5	3,615	138.3	135.9	(0.0, 279.2)
Jim Wells	29	27,926	103.8	106.5 **	(60.8, 152.2)
Johnson	31	98,667	31.4	34.8	(20.9, 48.7)
Jones	6	15,889	37.8	37.4	(1.5, 73.3)
Karnes	6	12,061	49.7	51.8	(3.3, 100.3)
Kaufman	27	56,241	48.0	51.8	(29.3, 74.2)
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	7	34,935	20.0	0.0 *	(0.0, 0.0)
Kimble	Less than 5	3,493			
King	0	226	0.0	0.0 *	(0.0, 0.0)
Kinney	Less than 5	2,620			
Kleberg	25	22,497	111.1	119.9 **	(65.9, 173.9)
Knox	0	2,945	0.0	0.0 *	(0.0, 0.0)
Lamar	14	36,376	38.5	32.3	(10.3, 54.3)
Lamb	Less than 5	10,482			
Lampasas	15	13,929	107.7	107.1	(42.2, 171.9)
La Salle	Less than 5	4,194			
Lavaca	5	14,531	34.4	18.5 *	(0.0, 44.8)
Lee	5	11,738	42.6	38.9	(0.0, 81.5)
Leon	8	12,162	65.8	52.2	(3.8, 100.7)
Liberty	22	53,939	40.8	45.3	(23.9, 66.8)
Limestone	10	16,720	59.8	55.7	(13.0, 98.4)
Lipscomb	0	2,300	0.0	0.0 *	(0.0, 0.0)
Live Oak	0	9,489	0.0	0.0 *	(0.0, 0.0)
Llano	Less than 5	14,886			
Loving	0	53	0.0	0.0 *	(0.0, 0.0)

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16. Lower-Extremity Amputation Among Patients with Diabetes,
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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	6,634	15,678,989	42.3	48.0	
Lubbock	76	182,713	41.6	47.4	(35.5, 59.3)
Lynn	5	4,453	112.3	110.9	(0.0, 227.6)
McCulloch	Less than 5	5,873			
McLennan	62	158,695	39.1	40.9	(29.0, 52.8)
McMullen	0	682	0.0	0.0 *	(0.0, 0.0)
Madison	Less than 5	10,290			
Marion	Less than 5	8,649			
Martin	Less than 5	3,187			
Mason	0	2,966	0.0	0.0 *	(0.0, 0.0)
Matagorda	16	27,046	59.2	58.3	(24.0, 92.7)
Maverick	46	31,350	146.7	157.6 **	(105.2, 210.0)
Medina	28	29,570	94.7	95.9 **	(53.8, 138.1)
Menard	Less than 5	1,807			
Midland	40	83,377	48.0	49.0	(31.1, 66.9)
Milam	10	18,176	55.0	47.6	(9.7, 85.4)
Mills	Less than 5	3,902			
Mitchell	Less than 5	7,462			
Montague	5	14,659	34.1	20.4 *	(0.0, 47.9)
Montgomery	57	235,981	24.2	28.8 *	(20.7, 37.0)
Moore	Less than 5	13,589			
Morris	12	9,993	120.1	113.5	(34.7, 192.3)
Motley	Less than 5	1,025			
Nacogdoches	22	44,171	49.8	54.6	(28.6, 80.6)
Navarro	20	34,083	58.7	57.7	(27.2, 88.1)
Newton	5	11,243	44.5	38.9	(0.0, 82.4)
Nolan	5	11,127	44.9	35.8	(0.0, 77.8)
Nueces	140	226,363	61.8	64.8 **	(52.3, 77.3)
Ochiltree	0	6,376	0.0	0.0 *	(0.0, 0.0)
Oldham	0	1,447	0.0	0.0 *	(0.0, 0.0)
Orange	47	62,309	75.4	74.5 **	(48.9, 100.1)
Palo Pinto	5	20,341	24.6	15.8 *	(0.0, 36.4)
Panola	10	17,129	58.4	52.9	(11.8, 94.0)
Parker	18	70,020	25.7	26.5 *	(12.1, 40.9)
Parmer	5	6,711	74.5	73.7	(0.0, 151.2)
Pecos	Less than 5	12,025			
Polk	21	34,454	61.0	52.1	(23.3, 80.9)
Potter	33	82,935	39.8	42.8	(26.0, 59.6)
Presidio	Less than 5	5,215			

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16. Lower-Extremity Amputation Among Patients with Diabetes,
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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	6,634	15,678,989	42.3	48.0	
Rains	Less than 5	7,891			
Randall	18	79,598	22.6	23.0 *	(10.4, 35.6)
Reagan	Less than 5	2,137			
Real	0	2,314	0.0	0.0 *	(0.0, 0.0)
Red River	20	10,665	187.5	179.7 **	(83.7, 275.7)
Reeves	5	8,875	56.3	54.0	(0.0, 111.7)
Refugio	Less than 5	5,760			
Roberts	0	656	0.0	0.0 *	(0.0, 0.0)
Robertson	9	11,532	78.0	70.5	(12.7, 128.3)
Rockwall	9	36,507	24.7	30.1	(8.8, 51.3)
Runnels	9	8,259	109.0	98.3	(17.6, 179.0)
Rusk	21	36,131	58.1	53.3	(24.9, 81.7)
Sabine	7	8,224	85.1	63.0	(0.0, 127.7)
San Augustine	Less than 5	6,821			
San Jacinto	10	17,626	56.7	48.1	(9.4, 86.7)
San Patricio	34	46,738	72.7	76.3	(46.4, 106.2)
San Saba	0	4,509	0.0	0.0 *	(0.0, 0.0)
Schleicher	Less than 5	2,161			
Scurry	5	11,887	42.1	37.4	(0.0, 78.9)
Shackelford	Less than 5	2,514			
Shelby	9	18,820	47.8	42.0	(7.0, 76.9)
Sherman	0	2,300	0.0	0.0 *	(0.0, 0.0)
Smith	89	133,789	66.5	65.1 **	(48.8, 81.4)
Somervell	0	5,302	0.0	0.0 *	(0.0, 0.0)
Starr	22	35,840	61.4	70.5	(37.7, 103.3)
Stephens	Less than 5	7,187			
Sterling	0	993	0.0	0.0 *	(0.0, 0.0)
Stonewall	Less than 5	1,199			
Sutton	Less than 5	2,975			
Swisher	Less than 5	5,848			
Tarrant	302	1,099,370	27.5	35.6 *	(31.3, 39.8)
Taylor	44	91,077	48.3	50.2	(32.9, 67.6)
Terrell	0	750	0.0	0.0 *	(0.0, 0.0)
Terry	Less than 5	9,212			
Throckmorton	0	1,308	0.0	0.0 *	(0.0, 0.0)
Titus	5	19,781	25.3	25.7	(0.0, 52.3)
Tom Green	35	75,815	46.2	45.7	(27.5, 63.9)
Travis	204	642,139	31.8	45.7	(39.5, 52.0)

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16. Lower-Extremity Amputation Among Patients with Diabetes,
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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	6,634	15,678,989	42.3	48.0	
Trinity	Less than 5	10,906			
Tyler	Less than 5	16,011			
Upshur	11	27,088	40.6	35.6	(8.8, 62.4)
Upton	0	2,387	0.0	0.0 *	(0.0, 0.0)
Uvalde	11	18,332	60.0	57.9	(16.3, 99.5)
Val Verde	43	31,441	136.8	141.5 **	(91.9, 191.1)
Van Zandt	18	37,894	47.5	38.6	(15.0, 62.3)
Victoria	42	60,919	68.9	70.1	(45.0, 95.1)
Walker	42	49,815	84.3	96.7 **	(64.1, 129.3)
Waller	13	24,817	52.4	59.9	(23.6, 96.3)
Ward	0	7,418	0.0	0.0 *	(0.0, 0.0)
Washington	7	23,012	30.4	23.2 *	(0.0, 46.7)
Webb	99	132,563	74.7	87.9 **	(68.8, 106.9)
Wharton	19	29,827	63.7	61.9	(28.2, 95.6)
Wheeler	0	3,833	0.0	0.0 *	(0.0, 0.0)
Wichita	43	95,608	45.0	46.7	(30.3, 63.0)
Wilbarger	Less than 5	10,173			
Willacy	14	13,805	101.4	106.8	(41.8, 171.9)
Williamson	27	205,348	13.1	23.0 *	(15.2, 30.9)
Wilson	6	24,929	24.1	23.1 *	(0.6, 45.6)
Winkler	7	4,964	141.0	142.4	(17.1, 267.6)
Wise	Less than 5	38,498			
Wood	12	29,859	40.2	24.9 *	(3.5, 46.3)
Yoakum	Less than 5	5,067			
Young	Less than 5	13,408			
Zapata	9	8,655	104.0	104.2	(23.1, 185.4)
Zavala	Less than 5	7,765			

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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