

Appendix 1: Kidney Cancer Incidence (2018-2022) and Mortality (2019-2023) by County in Oklahoma**Table 1. Kidney Cancer Incidence Rates by County in Oklahoma, 2018-2022**

County	Total Number of Kidney Cancers	Crude Incidence Rate*	Age-Adjusted Incidence Rate*
Adair	66	32.5	29.7
Alfalfa	17	29.4	21.4
Atoka	39	27.7	22.1
Beaver	13	24.8	19.7
Beckham	57	24.9	21.4
Blaine	18	20.0	13.4
Bryan	106	23.5	20.1
Caddo	89	32.2	27.9
Canadian	295	20.3	19.4
Carter	115	23.9	20.2
Cherokee	136	28.7	25.8
Choctaw	45	31.0	22.5
Cimarron	.	.	.
Cleveland	523	18.2	17.5
Coal	16	29.7	19.8
Comanche	248	20.3	20.0
Cotton	16	28.1	19.2
Craig	56	39.1	29.7
Creek	223	31.2	24.9
Custer	55	19.1	18.8
Delaware	120	29.5	20.9
Dewey	19	41.4	27.6
Ellis	21	53.8	38.2
Garfield	125	19.9	17.3
Garvin	80	30.5	26.0
Grady	126	23.1	19.0
Grant	14	32.9	25.3
Greer	16	28.1	23.8
Harmon	.	.	.
Harper	11	31.9	28.0
Haskell	32	26.9	20.2
Hughes	47	34.8	27.3
Jackson	56	22.1	19.7
Jefferson	22	39.0	26.5
Johnston	25	23.7	18.9
Kay	133	29.8	23.6
Kingfisher	47	30.9	26.0

County	Total Number of Kidney Cancers	Crude Incidence Rate*	Age-Adjusted Incidence Rate*
Kiowa	25	28.7	19.9
Latimer	24	24.3	18.1
Le Flore	106	21.7	18.1
Lincoln	98	29.0	23.5
Logan	112	23.4	18.6
Love	26	26.1	21.8
McClain	114	28.3	23.9
McCurtain	101	32.1	26.0
McIntosh	63	32.6	23.0
Major	22	28.3	21.6
Marshall	53	34.4	24.2
Mayes	130	32.8	27.0
Murray	32	23.2	15.5
Muskogee	196	29.0	23.9
Noble	36	32.2	23.6
Nowata	31	31.9	22.0
Okfuskee	49	42.3	35.4
Oklahoma	1607	20.5	19.4
Okmulgee	127	33.8	26.1
Osage	88	18.9	14.3
Ottawa	97	31.4	25.9
Pawnee	57	36.1	25.7
Payne	136	16.7	18.8
Pittsburg	116	26.2	19.9
Pontotoc	109	28.6	25.9
Pottawatomie	199	27.6	23.5
Pushmataha	38	34.7	22.6
Roger Mills	.	.	.
Rogers	248	26.5	21.7
Seminole	66	27.2	22.8
Sequoyah	111	27.7	20.7
Stephens	139	31.9	23.0
Texas	31	14.3	15.6
Tillman	19	26.4	19.9
Tulsa	1575	24.0	22.1
Wagoner	189	23.9	20.2
Washington	129	24.6	19.0
Washita	34	30.3	22.4
Woods	15	16.9	14.4
Woodward	59	28.1	23.5

*rate per 100,000

Table 2. Kidney Cancer Mortality Rates by County in Oklahoma, 2015-2019

County	Total Number of Kidney Cancer Deaths	Crude Mortality Rate*	Age-Adjusted Mortality Rate*
Adair	13	6.1	5.1
Alfalfa	.	.	.
Atoka	15	10.7	7.8
Beaver	.	.	.
Beckham	13	5.8	5.3
Blaine	.	.	.
Bryan	18	3.8	3.0
Caddo	20	7.1	5.9
Canadian	61	4.1	4.1
Carter	33	6.8	5.4
Cherokee	27	5.6	4.7
Choctaw	9	6.1	3.8
Cimarron	.	.	.
Cleveland	125	4.4	4.0
Coal	7	12.7	7.9
Comanche	58	4.7	4.9
Cotton	.	.	.
Craig	7	4.9	3.2
Creek	41	5.7	4.1
Custer	21	7.3	6.4
Delaware	34	8.1	4.7
Dewey	.	.	.
Ellis	5	12.8	8.9
Garfield	34	5.5	4.6
Garvin	31	11.4	9.1
Grady	37	6.7	5.3
Grant	.	.	.
Greer	7	12.1	8.7
Harmon	.	.	.
Harper	.	.	.
Haskell	11	8.9	6.1
Hughes	8	6.0	5.4
Jackson	15	6.0	5.0
Jefferson	11	18.6	12.7
Johnston	10	9.3	6.6
Kay	34	7.7	5.1
Kingfisher	9	5.8	4.4
Kiowa	9	10.3	7.3
Latimer	8	7.9	6.0

County	Total Number of Kidney Cancer Deaths	Crude Mortality Rate*	Age-Adjusted Mortality Rate*
Le Flore	30	6.0	4.7
Lincoln	23	6.6	4.9
Logan	31	6.4	5.1
Love	8	7.9	6.6
McClain	20	4.9	4.5
McCurtain	22	6.8	5.3
McIntosh	25	12.7	8.0
Major	9	11.7	8.5
Marshall	11	6.7	4.9
Mayes	33	8.1	5.9
Murray	9	6.5	4.3
Muskogee	58	8.5	6.7
Noble	11	9.8	6.6
Nowata	8	8.0	6.6
Okfuskee	16	13.5	10.7
Oklahoma	350	4.4	4.1
Okmulgee	38	9.9	7.3
Osage	21	4.5	3.1
Ottawa	23	7.4	5.5
Pawnee	13	8.0	5.6
Payne	25	3.1	3.1
Pittsburg	36	8.2	5.6
Pontotoc	19	5.0	4.1
Pottawatomie	48	6.6	5.5
Pushmataha	10	9.1	5.6
Roger Mills	.	.	.
Rogers	59	6.3	4.9
Seminole	23	9.4	6.9
Sequoyah	35	8.6	6.3
Stephens	37	8.5	6.1
Texas	9	4.3	4.7
Tillman	5	6.9	5.7
Tulsa	303	4.6	4.1
Wagoner	38	4.7	3.8
Washington	27	5.2	3.6
Washita	7	6.3	4.8
Woods	.	.	.
Woodward	22	10.7	8.8

*rate per 100,000

Counts and resulting rates listed as '.' are suppressed due to small numbers.