



Mid-America (HHS Region 7)

PTTC

Prevention Technology Transfer Center Network
Funded by Substance Abuse and Mental Health Services Administration

A Regional Approach to Mapping Deaths Related to Alcohol, Tobacco, Other Drugs, and Suicide

(Iowa, Kansas, Missouri, and Nebraska)



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A Regional Approach to Mapping Deaths Related to Alcohol, Tobacco, Other Drugs (ATOD), and Suicide for Iowa, Kansas, Missouri, and Nebraska

Overview

Many states maintain data on substance misuse and suicide related problems, including death rates. Mapping is used frequently to communicate this data to stakeholders. However, individual states do not always have access to the data from neighboring states, or the data is not easily comparable across state lines. In HHS Region 7, important population centers and transportation routes exist at and across state borders. Therefore, it makes sense to map and share data that is easily comparable across state boundaries. In this example, data on deaths related ATOD use is combined with data on deaths by suicide to provide a more complete picture of behavioral health related mortality in the across the region. Hopefully, this model of data sharing can facilitate cross state and region wide planning and collaboration to address behavioral health problems.

Approach

The data in this report were downloaded from the CDC Wonder Detailed Mortality Tables.¹ All categories of urbanization, age groups, genders, Hispanic origin, races were analyzed. The following ICD 10 Codes were selected:

- Tobacco use related mortality (C00-C15, C32-C34, J40-J44)
- Alcohol-related liver mortality (K70.0, K70.1, K70.2, K70.3, K70.4, K70.9)
- Drug poisonings overdose unintentional (X40 through X44)
- Suicide intentional self-harm (X60 through X84)
- Drug poisonings overdose homicide (X85)
- Drug poisonings overdose undetermined (Y10 through Y14)
- Alcohol poisonings overdose (X45, Y15)

Death rates were calculated per 100,000 for year 2016. Suppressed data is considered 9 or fewer death counts in a county. Unreliable data is considered 19 or less death counts in a county. Suppressed data values for crude rate or number of deaths were not provided and left out of the analysis and quartile conversion. Crude Rates for the unreliable data were calculated and added to the reliable data. All maps are coded by quartile. The higher the quartile the higher the crude death rate. The capitol of each state is denoted with a star.

Analysis Across Region 7

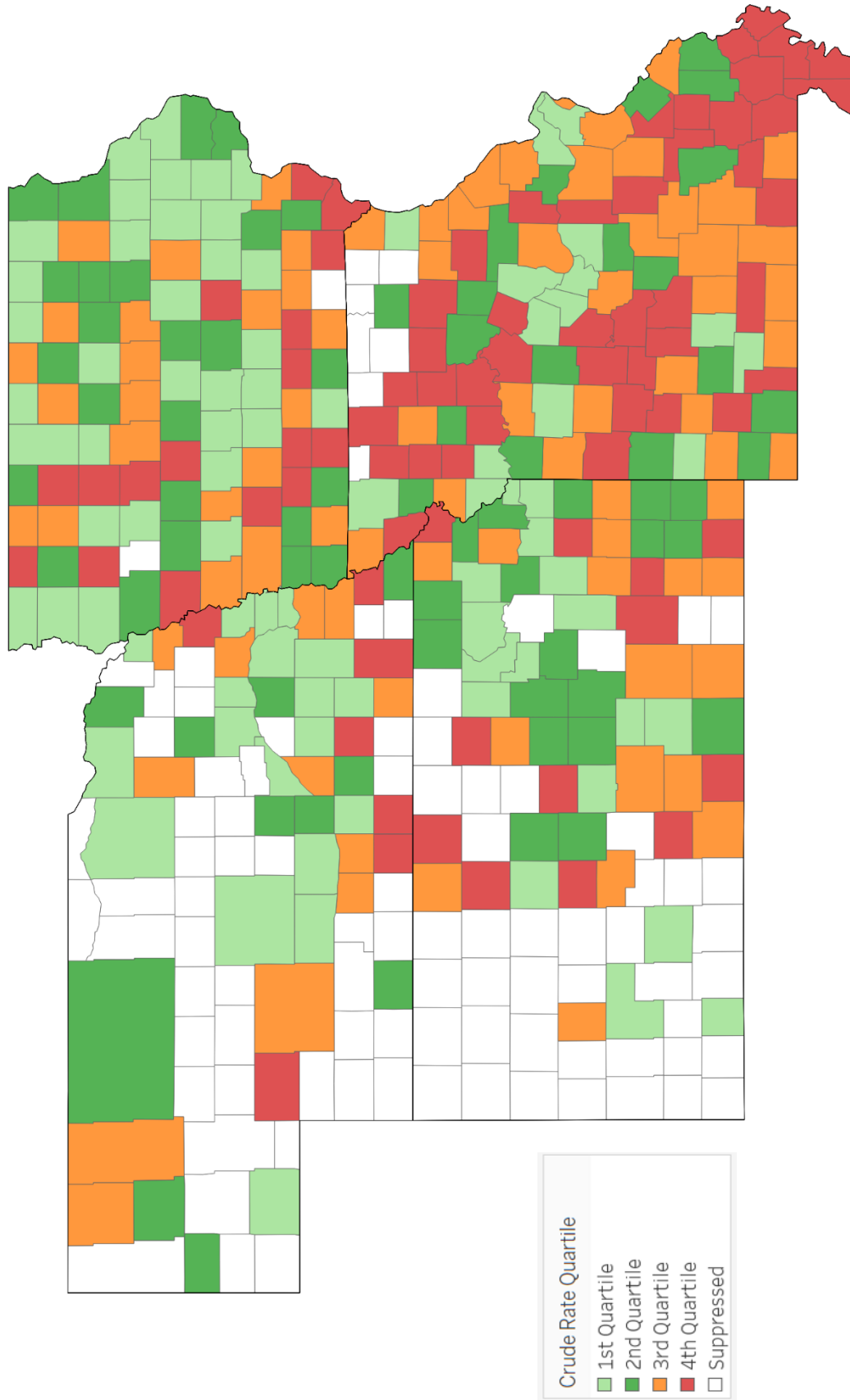
In Figure 1, all Crude Rates per 100,000 are converted within the region into quartiles, resulting in a regional crude rate.

¹ Centers for Disease Control and Prevention. (2019). CDC Wonder Mortality Tables. Retrieved from <https://wonder.cdc.gov/>





Figure 1. Region 7 Deaths Related to Alcohol, Tobacco, Opioids and Suicide Map



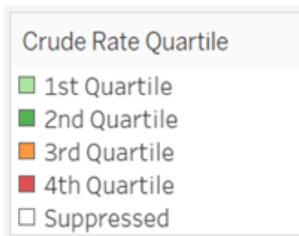
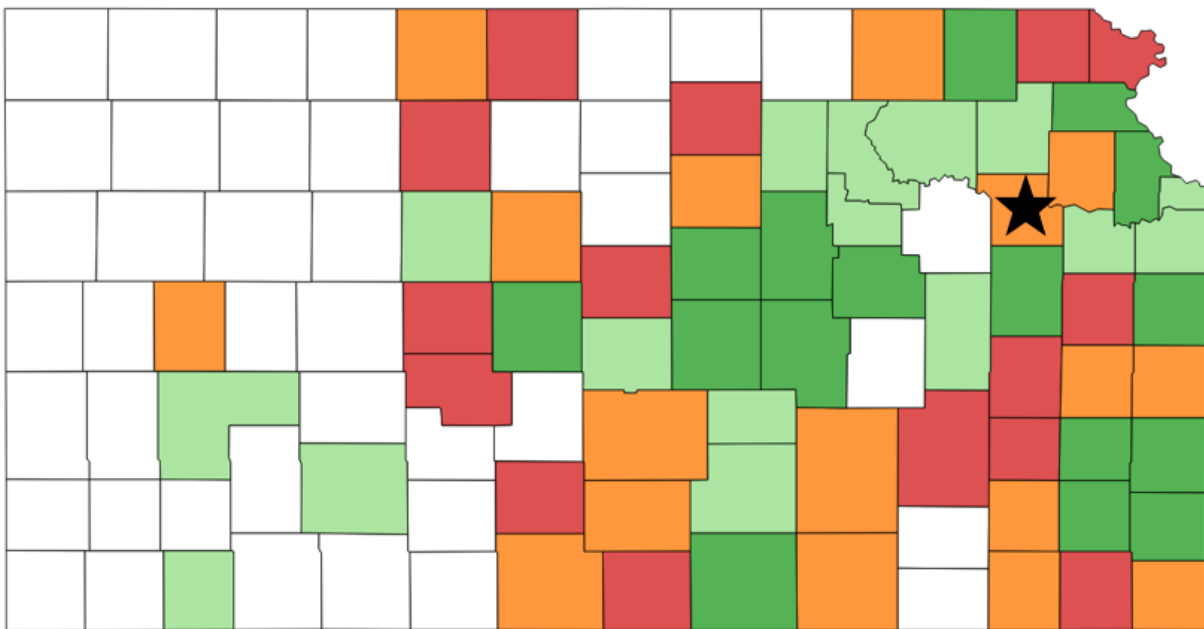


Analysis Within States

For the state specific maps in Figures 2, 3, 4, 5, for Kansas, Iowa, Missouri, and Nebraska, respectively, data were coded into quartiles specific to each individual state’s crude death rate using an online converter.² In Tables 2, 3, 4, and 5, raw data is presented for each state. In Table 1, the number of deaths, population, crude rate and age adjusted death rate for each state in Region 7 are provided

Table 1. States Crude and Age Adjusted Death Rates (per 100,000)				
State	Deaths	Population	Crude Rate	Age-Adjusted Rate
Iowa	4,900	3,118,848	156.86	127.41
Kansas	4,191	2,907,289	144.15	126.39
Missouri	10,930	6,093,000	179.39	151.65
Nebraska	2,611	1,907,116	136.91	118.37

Figure 2. Kansas Crude Death Rates Quartiles



² Alcula. Statistics converter. Retrieved from <http://www.alcula.com/calculators/statistics/quartiles/>





Figure 3. Iowa Crude Death Rate Quartiles

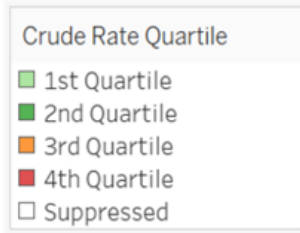
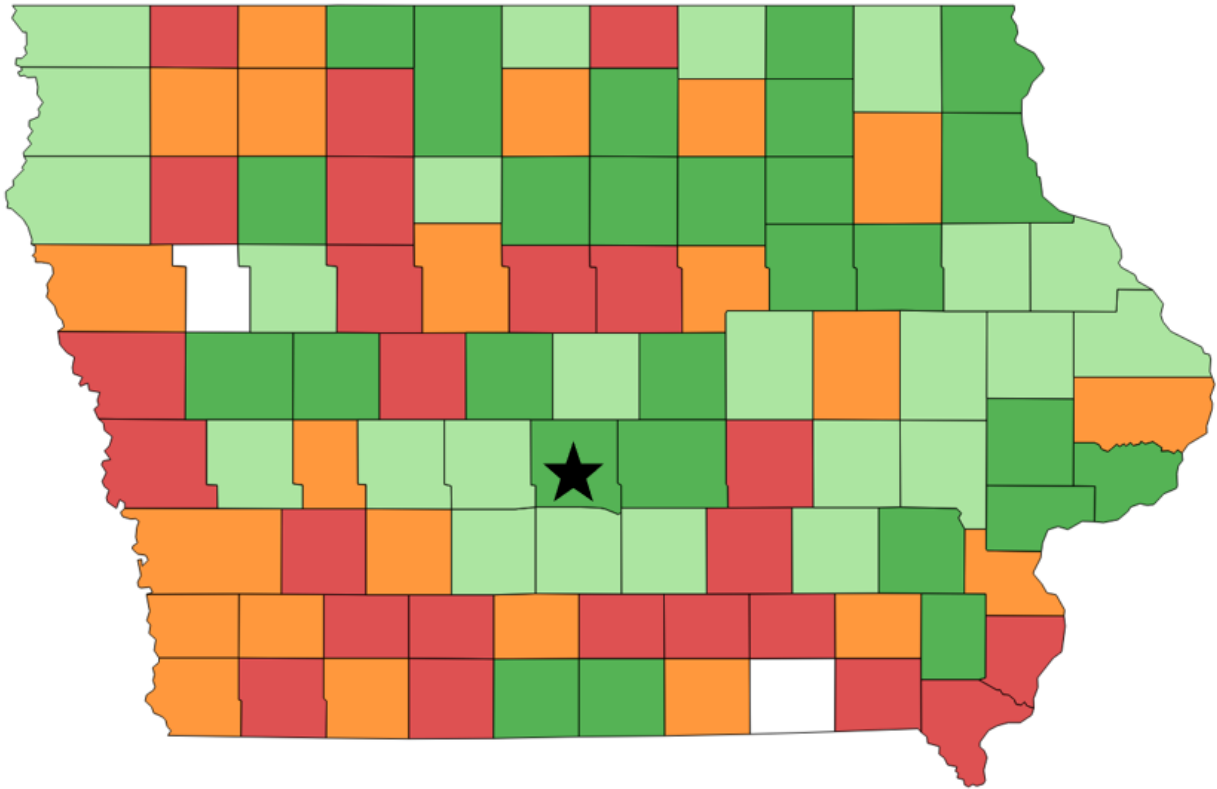




Figure 4. Missouri Crude Death Rate Quartiles

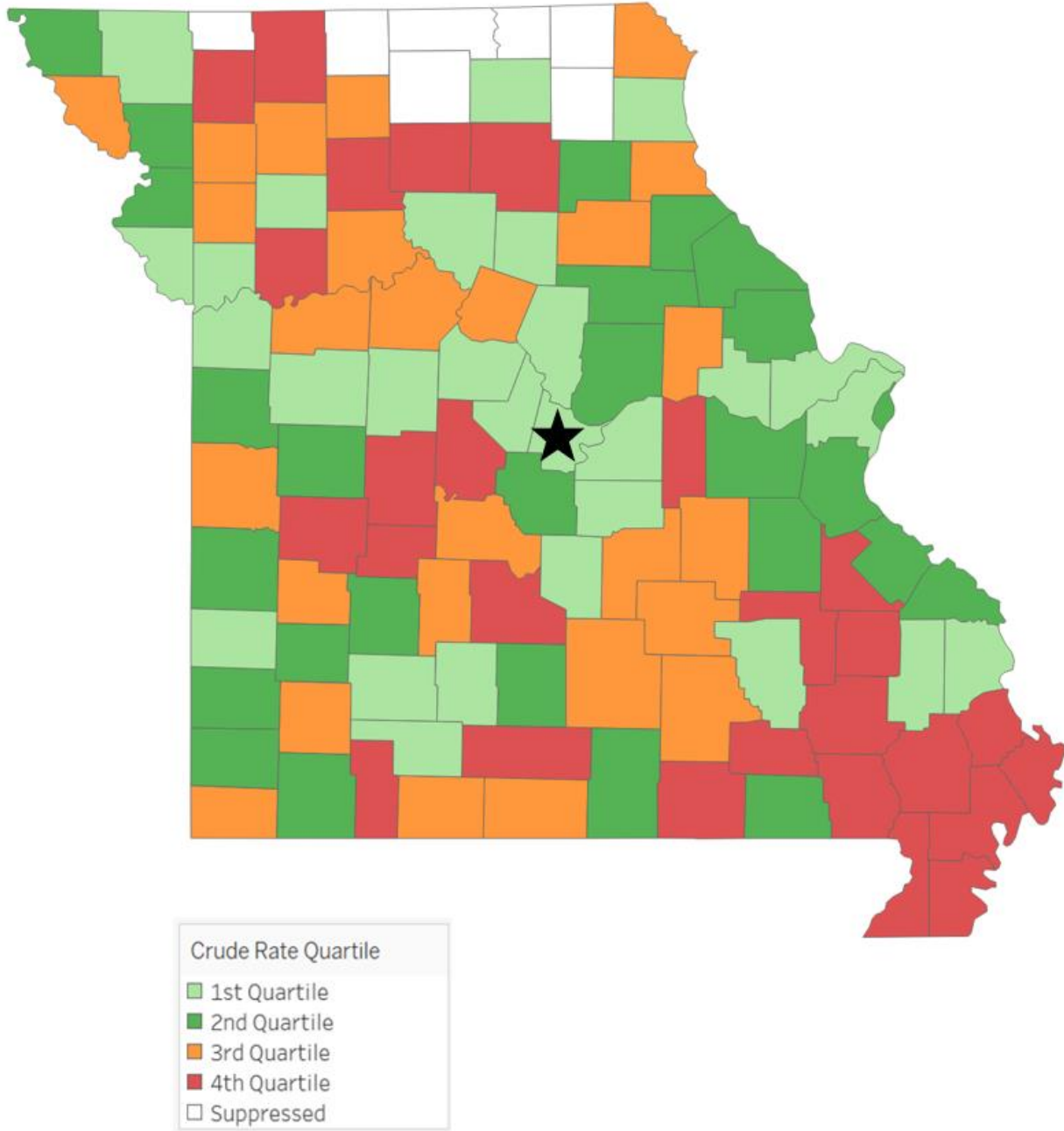
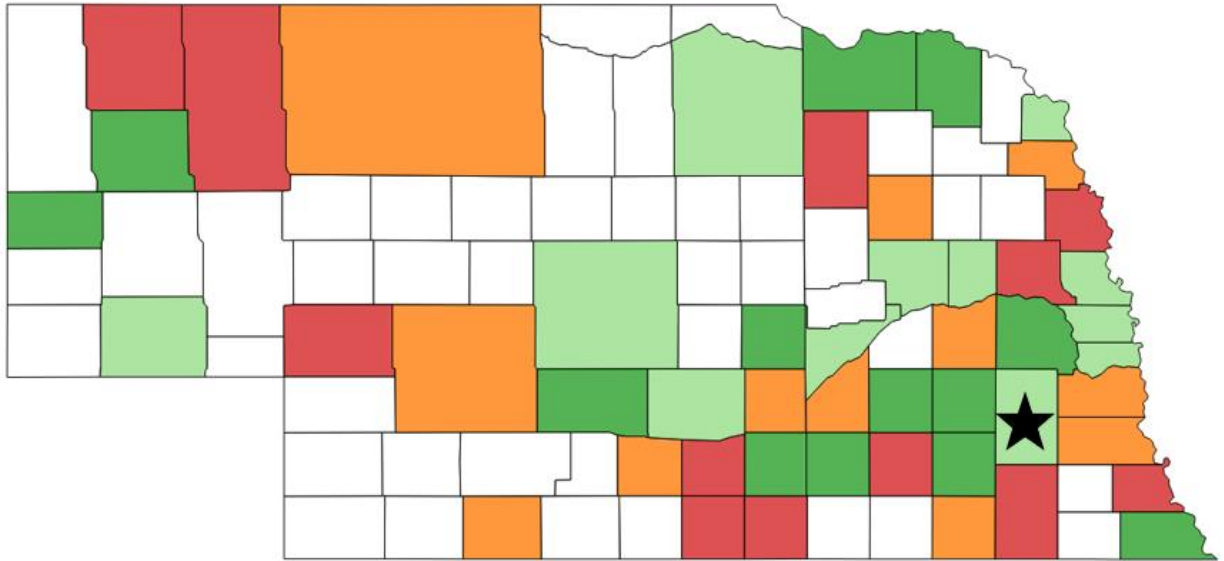




Figure 5. Nebraska Crude Death Rates Quartiles



**Table 2. Kansas Raw Data**

State	County	Deaths	Population	Crude Rate	Age Adjusted Rate	CR Quartile
Kansas	Riley	58	73343	79	115.9	1
Kansas	Seward	20	22709	88	102.62	1
Kansas	Douglas	107	119440	90	102.44	1
Kansas	Johnson	554	584451	95	88.67	1
Kansas	Pottawatomie	23	23661	97	93.92	1
Kansas	Ellis	32	28893	111	103.62	1
Kansas	Finney	42	36722	114	127.35	1
Kansas	Geary	41	35586	115	162.52	1
Kansas	Jackson	16	13291	120	Unreliable	1
Kansas	Lyon	42	33510	125	110.85	1
Kansas	Ford	44	33971	130	146.43	1
Kansas	Rice	13	9831	132	Unreliable	1
Kansas	Wyandotte	225	163831	137	144.9	1
Kansas	Harvey	50	34913	143	104.77	1
Kansas	Sedgwick	741	511995	145	137.46	1
Kansas	Clay	12	8143	147	Unreliable	1
Kansas	Osage	24	15843	151	116.74	2
Kansas	McPherson	44	28804	153	110.4	2
Kansas	Leavenworth	123	80204	153	146.95	2
Kansas	Nemaha	16	10241	156	Unreliable	2
Kansas	Allen	20	12714	157	104.59	2
Kansas	Bourbon	23	14617	157	107.65	2
Kansas	Barton	43	26775	161	124.28	2
Kansas	Miami	53	32964	161	136.52	2
Kansas	Sumner	38	23272	163	126.97	2
Kansas	Saline	91	55142	165	133.43	2
Kansas	Crawford	65	39164	166	146.04	2
Kansas	Marion	21	12112	173	115.9	2
Kansas	Neosho	28	16146	173	113.91	2
Kansas	Atchison	29	16380	177	152.94	2
Kansas	Dickinson	34	19064	178	125.13	2
Kansas	Morris	10	5573	179	Unreliable	2
Kansas	Shawnee	322	178146	181	141.84	3
Kansas	Marshall	18	9836	183	Unreliable	3
Kansas	Russell	13	6988	186	Unreliable	3
Kansas	Montgomery	62	32746	189	141.14	3
Kansas	Jefferson	36	18897	191	149.69	3





Kansas	Cherokee	39	20246	193	143.78	3
Kansas	Reno	125	63220	198	148.75	3
Kansas	Cowley	71	35753	199	161.54	3
Kansas	Scott	10	5032	199	Unreliable	3
Kansas	Kingman	15	7467	201	Unreliable	3
Kansas	Phillips	11	5428	203	Unreliable	3
Kansas	Butler	136	67025	203	183.67	3
Kansas	Barber	10	4688	213	Unreliable	3
Kansas	Anderson	17	7827	217	Unreliable	3
Kansas	Wilson	19	8723	218	Unreliable	3
Kansas	Ottawa	13	5920	220	Unreliable	3
Kansas	Linn	21	9558	220	137.21	3
Kansas	Pawnee	15	6743	222	Unreliable	4
Kansas	Coffey	19	8433	225	Unreliable	4
Kansas	Brown	22	9684	227	149.56	4
Kansas	Franklin	59	25560	231	200.44	4
Kansas	Labette	49	20444	240	178.5	4
Kansas	Cloud	22	9150	240	155.57	4
Kansas	Ellsworth	16	6328	253	Unreliable	4
Kansas	Smith	10	3632	275	Unreliable	4
Kansas	Rooks	14	5076	276	Unreliable	4
Kansas	Harper	16	5685	281	Unreliable	4
Kansas	Pratt	27	9584	282	213.05	4
Kansas	Doniphan	22	7664	287	210.1	4
Kansas	Woodson	10	3165	316	Unreliable	4
Kansas	Rush	10	3058	327	Unreliable	4
Kansas	Greenwood	23	6151	374	203.21	4
Kansas	Chase	Suppressed	2669	Suppressed	Suppressed	0
Kansas	Chautauqua	Suppressed	3374	Suppressed	Suppressed	0
Kansas	Cheyenne	Suppressed	2661	Suppressed	Suppressed	0
Kansas	Clark	Suppressed	2072	Suppressed	Suppressed	0
Kansas	Comanche	Suppressed	1862	Suppressed	Suppressed	0
Kansas	Decatur	Suppressed	2832	Suppressed	Suppressed	0
Kansas	Edwards	Suppressed	2938	Suppressed	Suppressed	0
Kansas	Elk	Suppressed	2547	Suppressed	Suppressed	0
Kansas	Gove	Suppressed	2589	Suppressed	Suppressed	0
Kansas	Graham	Suppressed	2564	Suppressed	Suppressed	0
Kansas	Grant	Suppressed	7646	Suppressed	Suppressed	0
Kansas	Gray	Suppressed	6034	Suppressed	Suppressed	0
Kansas	Greeley	Suppressed	1296	Suppressed	Suppressed	0
Kansas	Hamilton	Suppressed	2536	Suppressed	Suppressed	0





Kansas	Haskell	Suppressed	4006	Suppressed	Suppressed	0
Kansas	Hodgeman	Suppressed	1870	Suppressed	Suppressed	0
Kansas	Jewell	Suppressed	2901	Suppressed	Suppressed	0
Kansas	Kearny	Suppressed	3917	Suppressed	Suppressed	0
Kansas	Kiowa	Suppressed	2483	Suppressed	Suppressed	0
Kansas	Lane	Suppressed	1636	Suppressed	Suppressed	0
Kansas	Lincoln	Suppressed	3073	Suppressed	Suppressed	0
Kansas	Logan	Suppressed	2831	Suppressed	Suppressed	0
Kansas	Meade	Suppressed	4216	Suppressed	Suppressed	0
Kansas	Mitchell	Suppressed	6243	Suppressed	Suppressed	0
Kansas	Morton	Suppressed	2848	Suppressed	Suppressed	0
Kansas	Ness	Suppressed	2962	Suppressed	Suppressed	0
Kansas	Norton	Suppressed	5493	Suppressed	Suppressed	0
Kansas	Osborne	Suppressed	3642	Suppressed	Suppressed	0
Kansas	Rawlins	Suppressed	2549	Suppressed	Suppressed	0
Kansas	Republic	Suppressed	4699	Suppressed	Suppressed	0
Kansas	Sheridan	Suppressed	2509	Suppressed	Suppressed	0
Kansas	Sherman	Suppressed	5965	Suppressed	Suppressed	0
Kansas	Stafford	Suppressed	4208	Suppressed	Suppressed	0
Kansas	Stanton	Suppressed	2062	Suppressed	Suppressed	0
Kansas	Stevens	Suppressed	5584	Suppressed	Suppressed	0
Kansas	Thomas	Suppressed	7892	Suppressed	Suppressed	0
Kansas	Trego	Suppressed	2872	Suppressed	Suppressed	0
Kansas	Wabaunsee	Suppressed	6891	Suppressed	Suppressed	0
Kansas	Wallace	Suppressed	1497	Suppressed	Suppressed	0
Kansas	Washington	Suppressed	5546	Suppressed	Suppressed	0
Kansas	Wichita	Suppressed	2112	Suppressed	Suppressed	0



**Table 3. Iowa Raw Data**

State	County	Deaths	Population	Crude Rate	Age Adjusted Rate	CR Quartile
Iowa	Story	65	97090	67	73.52	1
Iowa	Sioux	27	34898	77	58.21	1
Iowa	Johnson	115	146547	78	89.02	1
Iowa	Lyon	10	11754	85	Unreliable	1
Iowa	Winneshiek	18	20561	88	Unreliable	1
Iowa	Dallas	78	84516	92	95.45	1
Iowa	Delaware	17	17327	98	Unreliable	1
Iowa	Shelby	13	11800	110	Unreliable	1
Iowa	Mitchell	12	10763	111	Unreliable	1
Iowa	Jackson	23	19472	118	85.48	1
Iowa	Guthrie	13	10625	122	Unreliable	1
Iowa	Iowa	20	16311	123	92.87	1
Iowa	Keokuk	13	10119	128	Unreliable	1
Iowa	Winnebago	14	10631	132	Unreliable	1
Iowa	Jones	27	20439	132	96.83	1
Iowa	Linn	299	221661	135	120.63	1
Iowa	Humboldt	13	9487	137	Unreliable	1
Iowa	Madison	22	15848	139	107.79	1
Iowa	Warren	70	49691	141	121.62	1
Iowa	Marion	47	33189	142	116.18	1
Iowa	Sac	14	9876	142	Unreliable	1
Iowa	Plymouth	36	25200	143	102.5	1
Iowa	Dubuque	140	97003	144	115.57	1
Iowa	Tama	25	17319	144	102.04	1
Iowa	Polk	685	474045	145	147	2
Iowa	Kossuth	22	15114	146	83.45	2
Iowa	Decatur	12	8141	147	Unreliable	2
Iowa	Franklin	15	10170	147	Unreliable	2
Iowa	Buena Vista	30	20332	148	119.66	2
Iowa	Buchanan	31	20992	148	124.03	2
Iowa	Muscatine	64	42940	149	127.69	2
Iowa	Howard	14	9332	150	Unreliable	2
Iowa	Cedar	28	18454	152	108.78	2
Iowa	Jasper	56	36708	153	109.75	2
Iowa	Washington	34	22281	153	112.45	2
Iowa	Wayne	10	6452	155	Unreliable	2
Iowa	Wright	20	12779	157	95.57	2





Iowa	Carroll	32	20437	157	113.93	2
Iowa	Henry	31	19773	157	113.94	2
Iowa	Chickasaw	19	12023	158	Unreliable	2
Iowa	Allamakee	22	13884	158	109.69	2
Iowa	Black Hawk	212	132904	160	138.71	2
Iowa	Scott	282	172474	164	141.91	2
Iowa	Clayton	29	17590	165	100.99	2
Iowa	Bremer	42	24798	169	126.42	2
Iowa	Marshall	69	40312	171	121.96	2
Iowa	Crawford	29	16940	171	136.3	2
Iowa	Boone	46	26532	173	133.16	2
Iowa	Butler	26	14791	176	108.43	2
Iowa	Emmet	17	9658	176	Unreliable	2
Iowa	Cerro Gordo	76	43070	176	122.27	2
Iowa	Taylor	11	6216	177	Unreliable	3
Iowa	Woodbury	183	102779	178	161.19	3
Iowa	O'Brien	26	14020	185	111.95	3
Iowa	Montgomery	19	10225	186	Unreliable	3
Iowa	Mills	28	14972	187	146.07	3
Iowa	Fremont	13	6950	187	Unreliable	3
Iowa	Clinton	89	47309	188	134.52	3
Iowa	Benton	49	25699	191	141.84	3
Iowa	Dickinson	33	17243	191	110.51	3
Iowa	Clarke	18	9309	193	Unreliable	3
Iowa	Pottawattamie	181	93582	193	159.86	3
Iowa	Jefferson	35	18090	193	144.13	3
Iowa	Hancock	21	10835	194	116.24	3
Iowa	Grundy	24	12313	195	124.44	3
Iowa	Floyd	31	15873	195	138.1	3
Iowa	Clay	32	16333	196	137.08	3
Iowa	Fayette	40	20054	199	135.33	3
Iowa	Louisa	23	11142	206	168.7	3
Iowa	Appanoose	26	12462	209	126.1	3
Iowa	Webster	77	36769	209	157.18	3
Iowa	Audubon	12	5678	211	Unreliable	3
Iowa	Adair	15	7092	212	Unreliable	3
Iowa	Hardin	37	17226	215	138.01	4
Iowa	Mahaska	48	22181	216	159.48	4
Iowa	Hamilton	33	15076	219	152.86	4
Iowa	Harrison	31	14149	219	144.46	4
Iowa	Page	34	15391	221	128.23	4





Iowa	Worth	17	7572	225	Unreliable	4
Iowa	Wapello	79	34982	226	169.12	4
Iowa	Osceola	14	6064	231	Unreliable	4
Iowa	Lucas	20	8647	231	149.57	4
Iowa	Palo Alto	21	9047	232	127.94	4
Iowa	Pocahontas	16	6886	232	Unreliable	4
Iowa	Greene	21	9011	233	161.42	4
Iowa	Poweshiek	44	18533	237	171.2	4
Iowa	Union	30	12420	242	180.4	4
Iowa	Calhoun	24	9846	244	163.98	4
Iowa	Monroe	20	7870	254	184.28	4
Iowa	Ringgold	13	5068	257	Unreliable	4
Iowa	Des Moines	104	39739	262	185.54	4
Iowa	Lee	91	34615	263	198.43	4
Iowa	Adams	10	3693	271	Unreliable	4
Iowa	Monona	25	8898	281	169.05	4
Iowa	Cass	38	13157	289	179.43	4
Iowa	Van Buren	23	7271	316	207.56	4
Iowa	Cherokee	37	11508	322	172.54	4
Iowa	Davis	Suppressed	8860	Suppressed	Suppressed	0
Iowa	Ida	Suppressed	6985	Suppressed	Suppressed	0



**Table 4. Missouri Raw Data**

State	County	Deaths	Population	Crude Rate	Age Adjusted Rate	CR Quartile
Missouri	Nodaway	20	22670	88	82.05	1
Missouri	Boone	186	176594	105	113.18	1
Missouri	Osage	15	13664	110	Unreliable	1
Missouri	Johnson	63	53942	117	120.73	1
Missouri	Christian	106	84401	126	111.19	1
Missouri	Cooper	23	17712	130	99.24	1
Missouri	St. Charles	508	390918	130	120.83	1
Missouri	Platte	128	98309	130	129.23	1
Missouri	Moniteau	21	16018	131	108.32	1
Missouri	Lewis	14	10134	138	Unreliable	1
Missouri	Clay	331	239085	138	130.57	1
Missouri	Webster	54	38106	142	127.71	1
Missouri	Cole	112	76631	146	127.31	1
Missouri	St. Louis	1482	998581	148	122.35	1
Missouri	Barton	18	11908	151	Unreliable	1
Missouri	Jackson	1063	691801	154	138.36	1
Missouri	Pulaski	81	52654	154	205.86	1
Missouri	Reynolds	10	6455	155	Unreliable	1
Missouri	Maries	14	8858	158	Unreliable	1
Missouri	Chariton	12	7516	160	Unreliable	1
Missouri	Warren	56	33802	166	138.66	1
Missouri	Pettis	71	42213	168	139.81	1
Missouri	Adair	44	25359	174	162.96	1
Missouri	Bollinger	21	12052	174	137.12	1
Missouri	Cape Girardeau	138	78913	175	145.41	1
Missouri	Randolph	44	24989	176	148.92	1
Missouri	Caldwell	16	9062	177	Unreliable	1
Missouri	Greene	510	288690	177	149.13	1
Missouri	Vernon	37	20723	179	142.87	2
Missouri	Andrew	31	17350	179	143.43	2
Missouri	Audrain	47	26021	181	143.56	2
Missouri	Barry	65	35732	182	132.46	2
Missouri	Ste. Genevieve	33	18030	183	136.01	2
Missouri	Newton	109	58694	186	140.75	2
Missouri	Atchison	10	5293	189	Unreliable	2
Missouri	Cass	197	102845	192	155.59	2





Missouri	Lincoln	106	55267	192	188.09	2
Missouri	Jasper	229	119111	192	175.44	2
Missouri	Buchanan	173	88938	195	167.84	2
Missouri	Polk	62	31285	198	163.75	2
Missouri	Henry	43	21594	199	139.32	2
Missouri	Franklin	205	102838	199	174.39	2
Missouri	St. Louis city	624	311404	200	191.1	2
Missouri	Washington	50	24839	201	174.3	2
Missouri	Miller	51	25206	202	149.81	2
Missouri	Wright	37	18286	202	147.15	2
Missouri	Callaway	92	45078	204	185.39	2
Missouri	Ralls	21	10224	205	153	2
Missouri	Jefferson	462	224226	206	191.99	2
Missouri	Dade	16	7631	210	Unreliable	2
Missouri	Ripley	29	13817	210	153.45	2
Missouri	Pike	39	18438	212	168	2
Missouri	Perry	41	19285	213	169.61	2
Missouri	Shelby	13	6082	214	Unreliable	2
Missouri	Howell	86	40210	214	156.37	2
Missouri	Marion	62	28894	215	169	3
Missouri	Ozark	20	9237	217	124.75	3
Missouri	Texas	56	25775	217	157.27	3
Missouri	Phelps	97	44608	217	199.15	3
Missouri	Lafayette	71	32618	218	155.94	3
Missouri	Daviess	18	8209	219	Unreliable	3
Missouri	Shannon	18	8168	220	Unreliable	3
Missouri	Taney	121	54735	221	164.32	3
Missouri	Clark	15	6723	223	Unreliable	3
Missouri	McDonald	51	22620	225	209.67	3
Missouri	Dent	35	15387	227	148.93	3
Missouri	Clinton	47	20610	228	189.89	3
Missouri	Dallas	38	16448	231	158.61	3
Missouri	Lawrence	89	38381	232	182.59	3
Missouri	Montgomery	27	11620	232	179.54	3
Missouri	Monroe	20	8558	234	147.68	3
Missouri	Cedar	33	14016	235	150.79	3
Missouri	Grundy	24	10165	236	181.53	3
Missouri	DeKalb	30	12613	238	187.28	3
Missouri	Crawford	59	24302	243	192.97	3
Missouri	Saline	56	22980	244	180.99	3
Missouri	Carroll	22	8913	247	165.94	3





Missouri	Holt	11	4448	247	Unreliable	3
Missouri	Howard	25	10058	249	203.26	3
Missouri	Bates	41	16417	250	180.2	3
Missouri	Camden	114	44497	256	172.53	3
Missouri	Gasconade	38	14808	257	183.59	4
Missouri	Pemiscot	44	17073	258	208.39	4
Missouri	Livingston	40	15235	263	185.81	4
Missouri	Stoddard	79	29588	267	186.72	4
Missouri	New Madrid	48	17915	268	209.57	4
Missouri	Gentry	18	6661	270	Unreliable	4
Missouri	Macon	41	15170	270	154.12	4
Missouri	Madison	34	12443	273	190.01	4
Missouri	St. Francois	183	66627	275	231.1	4
Missouri	Oregon	31	10789	287	233.89	4
Missouri	Dunklin	89	30535	291	218.99	4
Missouri	Scott	113	38745	292	245.08	4
Missouri	Laclede	105	35490	296	237.18	4
Missouri	Mississippi	41	13799	297	229.83	4
Missouri	Butler	127	42739	297	227.62	4
Missouri	Ray	68	22754	299	236.57	4
Missouri	Morgan	62	20213	307	210.57	4
Missouri	Stone	97	31047	312	210.39	4
Missouri	St. Clair	30	9272	324	202.97	4
Missouri	Hickory	31	9269	334	179.14	4
Missouri	Douglas	46	13358	344	217.92	4
Missouri	Iron	35	10022	349	246.49	4
Missouri	Harrison	30	8556	351	238.64	4
Missouri	Linn	43	12164	354	243.89	4
Missouri	Benton	68	18839	361	206.53	4
Missouri	Carter	23	6168	373	278.83	4
Missouri	Wayne	54	13139	411	258.18	4
Missouri	Knox	Suppressed	3934	Suppressed	Suppressed	0
Missouri	Mercer	Suppressed	3699	Suppressed	Suppressed	0
Missouri	Putnam	Suppressed	4853	Suppressed	Suppressed	0
Missouri	Schuyler	Suppressed	4394	Suppressed	Suppressed	0
Missouri	Scotland	Suppressed	4932	Suppressed	Suppressed	0
Missouri	Sullivan	Suppressed	6262	Suppressed	Suppressed	0
Missouri	Worth	Suppressed	2024	Suppressed	Suppressed	0



**Table 5. Nebraska Raw Data**

State	County	Deaths	Population	Crude Rate	Age Adjusted Rate	CR Quartile
Nebraska	Buffalo	45	49383	91	86.27	1
Nebraska	Colfax	10	10414	96	Unreliable	1
Nebraska	Sarpy	177	179023	99	110.65	1
Nebraska	Dakota	22	20465	108	102.1	1
Nebraska	Platte	37	32861	113	84.1	1
Nebraska	Douglas	643	554995	116	117.76	1
Nebraska	Washington	24	20603	116	99.18	1
Nebraska	Custer	13	10807	120	Unreliable	1
Nebraska	Lancaster	389	309637	126	125.75	1
Nebraska	Merrick	10	7828	128	Unreliable	1
Nebraska	Holt	14	10250	137	Unreliable	1
Nebraska	Cheyenne	14	10051	139	Unreliable	1
Nebraska	Saline	20	14331	140	119.33	2
Nebraska	Dawson	35	23640	148	128.85	2
Nebraska	Seward	26	17284	150	110.11	2
Nebraska	Adams	48	31684	152	112.35	2
Nebraska	Knox	13	8571	152	Unreliable	2
Nebraska	Saunders	32	21038	152	109.46	2
Nebraska	York	21	13794	152	105.86	2
Nebraska	Scotts Bluff	57	36422	157	112.7	2
Nebraska	Richardson	13	8060	161	Unreliable	2
Nebraska	Cedar	14	8671	161	Unreliable	2
Nebraska	Clay	10	6163	162	Unreliable	2
Nebraska	Box Butte	19	11194	170	Unreliable	2
Nebraska	Howard	11	6429	171	Unreliable	2
Nebraska	Butler	14	8052	174	Unreliable	3
Nebraska	Red Willow	19	10722	177	Unreliable	3
Nebraska	Hall	111	61705	180	154.52	3
Nebraska	Madison	63	35015	180	144.67	3
Nebraska	Cherry	11	5832	189	Unreliable	3
Nebraska	Cass	49	25767	190	143.42	3
Nebraska	Otoe	31	16081	193	138.76	3
Nebraska	Phelps	18	9266	194	Unreliable	3
Nebraska	Jefferson	14	7177	195	Unreliable	3
Nebraska	Hamilton	18	9186	196	Unreliable	3
Nebraska	Thurston	14	7127	196	Unreliable	3
Nebraska	Lincoln	70	35550	197	147.58	3
Nebraska	Antelope	13	6329	205	Unreliable	4





Nebraska	Dodge	77	36757	209	143.77	4
Nebraska	Sheridan	11	5234	210	Unreliable	4
Nebraska	Dawes	19	8979	212	Unreliable	4
Nebraska	Kearney	14	6552	214	Unreliable	4
Nebraska	Burt	15	6546	229	Unreliable	4
Nebraska	Gage	53	21799	243	151.19	4
Nebraska	Nemaha	17	6971	244	Unreliable	4
Nebraska	Fillmore	14	5720	245	Unreliable	4
Nebraska	Keith	21	8018	262	166.37	4
Nebraska	Webster	10	3603	278	Unreliable	4
Nebraska	Franklin	11	3014	365	Unreliable	4
Nebraska	Arthur	Suppressed	469	Suppressed	Suppressed	0
Nebraska	Banner	Suppressed	798	Suppressed	Suppressed	0
Nebraska	Blaine	Suppressed	484	Suppressed	Suppressed	0
Nebraska	Boone	Suppressed	5332	Suppressed	Suppressed	0
Nebraska	Boyd	Suppressed	1982	Suppressed	Suppressed	0
Nebraska	Brown	Suppressed	2960	Suppressed	Suppressed	0
Nebraska	Chase	Suppressed	3937	Suppressed	Suppressed	0
Nebraska	Cuming	Suppressed	9016	Suppressed	Suppressed	0
Nebraska	Deuel	Suppressed	1873	Suppressed	Suppressed	0
Nebraska	Dixon	Suppressed	5762	Suppressed	Suppressed	0
Nebraska	Dundy	Suppressed	1831	Suppressed	Suppressed	0
Nebraska	Frontier	Suppressed	2621	Suppressed	Suppressed	0
Nebraska	Furnas	Suppressed	4787	Suppressed	Suppressed	0
Nebraska	Garden	Suppressed	1930	Suppressed	Suppressed	0
Nebraska	Garfield	Suppressed	2011	Suppressed	Suppressed	0
Nebraska	Gosper	Suppressed	1971	Suppressed	Suppressed	0
Nebraska	Grant	Suppressed	641	Suppressed	Suppressed	0
Nebraska	Greeley	Suppressed	2399	Suppressed	Suppressed	0
Nebraska	Harlan	Suppressed	3473	Suppressed	Suppressed	0
Nebraska	Hayes	Suppressed	897	Suppressed	Suppressed	0
Nebraska	Hitchcock	Suppressed	2825	Suppressed	Suppressed	0
Nebraska	Hooker	Suppressed	708	Suppressed	Suppressed	0
Nebraska	Johnson	Suppressed	5171	Suppressed	Suppressed	0
Nebraska	Keya Paha	Suppressed	791	Suppressed	Suppressed	0
Nebraska	Kimball	Suppressed	3679	Suppressed	Suppressed	0
Nebraska	Logan	Suppressed	772	Suppressed	Suppressed	0
Nebraska	Loup	Suppressed	591	Suppressed	Suppressed	0
Nebraska	McPherson	Suppressed	493	Suppressed	Suppressed	0
Nebraska	Morrill	Suppressed	4787	Suppressed	Suppressed	0
Nebraska	Nance	Suppressed	3576	Suppressed	Suppressed	0





Nebraska	Nuckolls	Suppressed	4265	Suppressed	Suppressed	0
Nebraska	Pawnee	Suppressed	2652	Suppressed	Suppressed	0
Nebraska	Perkins	Suppressed	2898	Suppressed	Suppressed	0
Nebraska	Pierce	Suppressed	7159	Suppressed	Suppressed	0
Nebraska	Polk	Suppressed	5203	Suppressed	Suppressed	0
Nebraska	Rock	Suppressed	1390	Suppressed	Suppressed	0
Nebraska	Sherman	Suppressed	3054	Suppressed	Suppressed	0
Nebraska	Sioux	Suppressed	1242	Suppressed	Suppressed	0
Nebraska	Stanton	Suppressed	5944	Suppressed	Suppressed	0
Nebraska	Thayer	Suppressed	5101	Suppressed	Suppressed	0
Nebraska	Thomas	Suppressed	716	Suppressed	Suppressed	0
Nebraska	Valley	Suppressed	4184	Suppressed	Suppressed	0
Nebraska	Wayne	Suppressed	9365	Suppressed	Suppressed	0
Nebraska	Wheeler	Suppressed	776	Suppressed	Suppressed	0

