

April 17 2020 1AM data, state of Wisconsin

Note that in a small population county, one or two deaths can really skew the per-capita numbers.

<https://data.dhsgis.wi.gov/datasets/wisconsin-covid-19-cases-county-boundary/data?geometry=-103.536%2C42.041%2C-76.158%2C47.495>

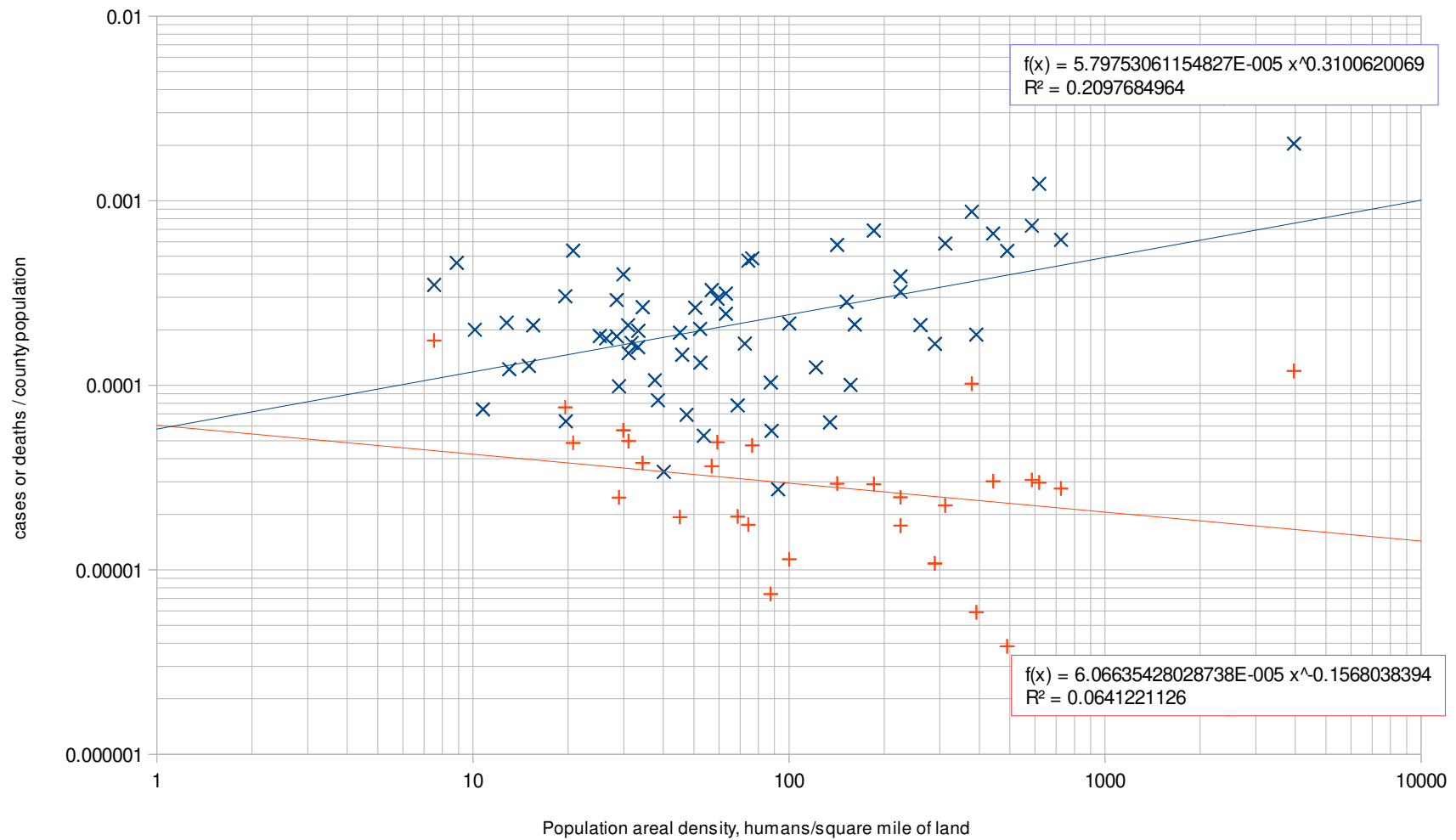
square miles data is land figure from the respective wikipedia pages, eg

https://en.wikipedia.org/wiki/Milwaukee_County,_Wisconsin

OBJECTID	GEOID	NAME	POSITIVE	NEGATIVE	DEATHS	DATE	POP	pop/sqmi	positive/pop	deaths/pop	square miles
36	55001	Adams	3	97	1	2020-04-16T06:00:00.000Z	20073	31.0728	0.000149454	4.9818E-005	646
11	55003	Ashland	2	69	0	2020-04-16T06:00:00.000Z	15712	15.0354	0.000127291	0	1045
40	55005	Barron	6	516	0	2020-04-16T06:00:00.000Z	45252	52.4357	0.000132591	0	863
21	55007	Bayfield	3	95	0	2020-04-16T06:00:00.000Z	14992	10.1434	0.000200107	0	1478
53	55009	Brown	139	1032	1	2020-04-16T06:00:00.000Z	259786	490.1623	0.000535056	3.8493E-006	530
69	55011	Buffalo	4	120	1	2020-04-16T06:00:00.000Z	13167	19.5938	0.00030379	7.5947E-005	672
49	55013	Burnett	0	58	0	2020-04-16T06:00:00.000Z	15258	18.5620	0	0	822
47	55015	Calumet	5	217	0	2020-04-16T06:00:00.000Z	49807	156.6258	0.000100387	0	318
50	55017	Chippewa	20	641	0	2020-04-16T06:00:00.000Z	63635	63.1300	0.000314292	0	1008
64	55019	Clark	10	118	0	2020-04-16T06:00:00.000Z	34491	28.5050	0.000289931	0	1210
63	55021	Columbia	27	503	1	2020-04-16T06:00:00.000Z	56954	74.3525	0.000474067	0.000017558	766
27	55023	Crawford	3	137	0	2020-04-16T06:00:00.000Z	16288	28.5254	0.000184185	0	571
46	55025	Dane	352	6224	16	2020-04-16T06:00:00.000Z	529843	442.6424	0.000664348	3.0198E-005	1197
45	55027	Dodge	19	563	1	2020-04-16T06:00:00.000Z	87776	100.2009	0.00021646	1.1393E-005	876
72	55029	Door	9	100	1	2020-04-16T06:00:00.000Z	27439	56.9274	0.000328	3.6444E-005	482
51	55031	Douglas	7	349	0	2020-04-16T06:00:00.000Z	43402	33.2837	0.000161283	0	1304
4	55033	Dunn	9	620	0	2020-04-16T06:00:00.000Z	44498	52.3506	0.000202256	0	850
28	55035	Eau Claire	22	1287	0	2020-04-16T06:00:00.000Z	102991	161.4279	0.000213611	0	638
39	55037	Florence	2	9	0	2020-04-16T06:00:00.000Z	4337	8.8873	0.000461148	0	488
23	55039	Fond du Lac	59	964	3	2020-04-16T06:00:00.000Z	102315	142.1042	0.000576651	2.9321E-005	720
30	55041	Forest	0	34	0	2020-04-16T06:00:00.000Z	9018	8.8935	0	0	1014
62	55043	Grant	10	302	1	2020-04-16T06:00:00.000Z	51828	45.1857	0.000192946	1.9295E-005	1147
34	55045	Green	9	212	0	2020-04-16T06:00:00.000Z	36864	63.1233	0.000244141	0	584
6	55047	Green Lake	1	111	0	2020-04-16T06:00:00.000Z	18757	53.7450	5.3313E-005	0	349
59	55049	Iowa	5	163	0	2020-04-16T06:00:00.000Z	23620	30.9567	0.000211685	0	763
41	55051	Iron	2	23	1	2020-04-16T06:00:00.000Z	5715	7.5396	0.000349956	0.000174978	758
5	55053	Jackson	11	144	1	2020-04-16T06:00:00.000Z	20506	20.7551	0.000536428	4.8766E-005	988
48	55055	Jefferson	24	537	0	2020-04-16T06:00:00.000Z	84652	152.2518	0.000283514	0	556
66	55057	Juneau	7	223	1	2020-04-16T06:00:00.000Z	26419	34.4446	0.000264961	3.7852E-005	767
9	55059	Kenosha	208	1286	5	2020-04-16T06:00:00.000Z	168330	618.8603	0.001235668	2.9704E-005	272
24	55061	Kewaunee	6	71	1	2020-04-16T06:00:00.000Z	20360	59.3586	0.000294695	4.9116E-005	343
3	55063	La Crosse	25	1350	0	2020-04-16T06:00:00.000Z	117850	260.7301	0.000212134	0	452
15	55065	Lafayette	3	61	0	2020-04-16T06:00:00.000Z	16735	26.3959	0.000179265	0	634
25	55067	Langlade	0	61	0	2020-04-16T06:00:00.000Z	19164	22.0023	0	0	871
57	55069	Lincoln	0	118	0	2020-04-16T06:00:00.000Z	27848	31.6815	0	0	879
71	55071	Manitowoc	5	191	0	2020-04-16T06:00:00.000Z	79407	134.8166	6.2967E-005	0	589

38	55073 Marathon	14	441	1	2020-04-16T06:00:00.000Z	135264	87.5495	0.000103501	0.000007393	1545
60	55075 Marinette	4	170	1	2020-04-16T06:00:00.000Z	40537	28.9757	9.8675E-005	2.4669E-005	1399
52	55077 Marquette	3	108	0	2020-04-16T06:00:00.000Z	15207	33.3487	0.000197278	0	456
70	55078 Menominee	1	9	0	2020-04-16T06:00:00.000Z	4579	12.7905	0.000218388	0	358
10	55079 Milwaukee	1947	8316	114	2020-04-16T06:00:00.000Z	954209	3959.3734	0.002040433	0.000119471	241
42	55081 Monroe	12	470	0	2020-04-16T06:00:00.000Z	45502	50.5017	0.000263725	0	901
29	55083 Oconto	4	174	0	2020-04-16T06:00:00.000Z	37556	37.6313	0.000106508	0	998
12	55085 Oneida	6	191	0	2020-04-16T06:00:00.000Z	35345	31.7565	0.000169755	0	1113
35	55087 Outagamie	31	733	2	2020-04-16T06:00:00.000Z	184754	289.5831	0.000167791	1.0825E-005	638
18	55089 Ozaukee	77	633	9	2020-04-16T06:00:00.000Z	88284	378.7712	0.000872185	0.000101944	233.08
58	55091 Pepin	0	80	0	2020-04-16T06:00:00.000Z	7262	31.3017	0	0	232
2	55093 Pierce	7	285	0	2020-04-16T06:00:00.000Z	41603	72.4791	0.000168257	0	574
33	55095 Polk	3	152	0	2020-04-16T06:00:00.000Z	43349	47.4278	6.9206E-005	0	914
22	55097 Portage	4	208	0	2020-04-16T06:00:00.000Z	70599	88.1386	0.000056658	0	801
61	55099 Price	1	46	0	2020-04-16T06:00:00.000Z	13490	10.7576	0.000074129	0	1254
43	55101 Racine	143	1150	6	2020-04-16T06:00:00.000Z	195398	586.7808	0.00073184	3.0707E-005	333
54	55103 Richland	7	165	1	2020-04-16T06:00:00.000Z	17539	29.9300	0.000399111	5.7016E-005	586
26	55105 Rock	63	1108	4	2020-04-16T06:00:00.000Z	161769	225.3050	0.000389444	2.4727E-005	718
67	55107 Rusk	3	81	0	2020-04-16T06:00:00.000Z	14183	15.5175	0.000211521	0	914
65	55109 St. Croix	11	284	0	2020-04-16T06:00:00.000Z	87917	121.7687	0.000125118	0	722
1	55111 Sauk	31	467	3	2020-04-16T06:00:00.000Z	63596	76.5295	0.000487452	4.7173E-005	831
31	55113 Sawyer	2	159	0	2020-04-16T06:00:00.000Z	16370	13.0231	0.000122175	0	1257
44	55115 Shawano	6	204	0	2020-04-16T06:00:00.000Z	41009	45.9227	0.000146309	0	893
19	55117 Sheboygan	37	589	2	2020-04-16T06:00:00.000Z	115205	225.4501	0.000321167	1.7360E-005	511
37	55119 Taylor	0	65	0	2020-04-16T06:00:00.000Z	20356	20.8779	0	0	975
32	55121 Trempealeau	1	319	0	2020-04-16T06:00:00.000Z	29438	40.1610	3.3970E-005	0	733
8	55123 Vernon	0	244	0	2020-04-16T06:00:00.000Z	30516	38.5303	0	0	792
17	55125 Vilas	4	83	0	2020-04-16T06:00:00.000Z	21593	25.1960	0.000185245	0	857
7	55127 Walworth	71	440	3	2020-04-16T06:00:00.000Z	103013	185.6090	0.000689233	2.9123E-005	555
14	55129 Washburn	1	106	0	2020-04-16T06:00:00.000Z	15689	19.6851	6.3739E-005	0	797
20	55131 Washington	79	1183	3	2020-04-16T06:00:00.000Z	134535	312.1462	0.000587208	0.000022299	431
68	55133 Waukesha	245	2369	11	2020-04-16T06:00:00.000Z	398879	725.2345	0.000614221	2.7577E-005	550
16	55135 Waupaca	4	231	1	2020-04-16T06:00:00.000Z	51444	68.7754	7.7754E-005	1.9439E-005	748
13	55137 Waushara	2	89	0	2020-04-16T06:00:00.000Z	24116	38.5240	8.2932E-005	0	626
56	55139 Winnebago	32	727	1	2020-04-16T06:00:00.000Z	169926	391.5346	0.000188317	5.8849E-006	434
55	55141 Wood	2	289	0	2020-04-16T06:00:00.000Z	73274	92.4010	2.7295E-005	0	793
72 counties total						max	3959.373444	0.002040433	0.000174978	1545
						min	7.539577836	0	0	232
Statewide totals		3875	40974	197		5778394	0.007091	0.000670602	3.4093E-005	54163.08
							number of counties with no deaths			
							43 (~60%)			
							number of counties with no cases			
							7 (~10%)			

Wisconsin case rate and death rate by County



Counties with zero cases or deaths do not appear on log plots.

I think that means they are excluded from the regression fits.

Wisconsin Covid19 cases and deaths per populaiton by county

