



Cancer Incidence and Mortality
for Select Sites by Michigan State
Senate District

Methods

Cancers are coded to the International Classification of Diseases for Oncology, Third Edition (ICD-O-3). Incidence rates include invasive cancers only, except for *in situ* bladder cancers being included in the overall cancer rates. This is consistent with the methodology of the Surveillance, Epidemiology, and End Results Program (SEER). Age-adjusted rates are computed by the direct method and are age-adjusted to the 2000 U.S. population.

Cancer incidence is provided by the Michigan Cancer Surveillance Program and includes cases from years 2014-2016.

Cancer mortality refers to deaths in which the underlying death reported was cancer (ICD-10=C00-C97). Age-adjusted rates are computed by the direct method and are age-adjusted to the 2000 U.S. population.

Cancer mortality is provided from the Division for Vital Records and Health Statistics at the Michigan Department of Health and Human Services from the years 2015-2017.

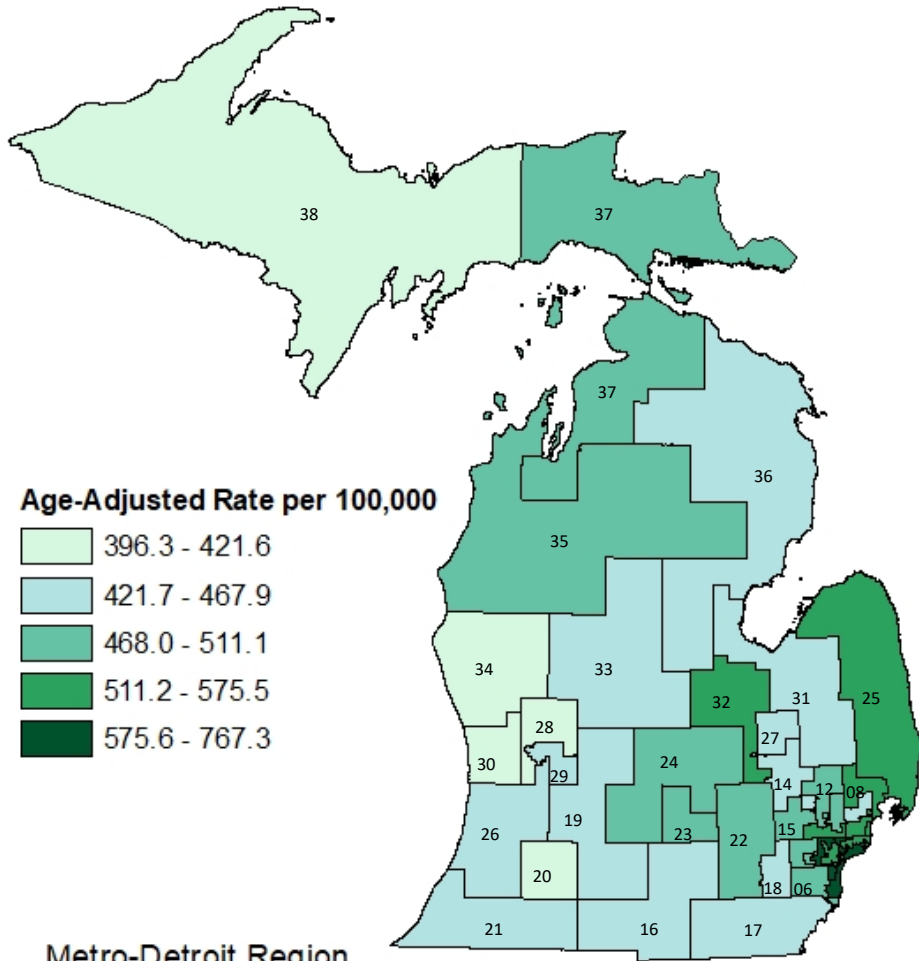
The rank column in the following data tables ranks the districts from lowest cancer burden (1) to highest cancer burden (38).

Key Findings

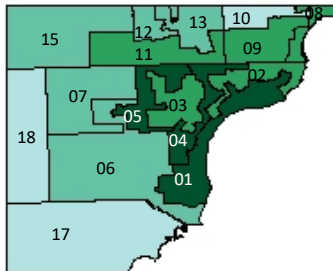
Districts in Detroit, MI have the highest cancer incidence and mortality rate for all sites as well as colorectal, lung and bronchus, and female breast cancer.

Some districts in the thumb area have high cancer mortality rates. Deaths from colorectal cancer especially burden the thumb area.

Cancer Incidence by Michigan State Senate Districts, 2014-2016

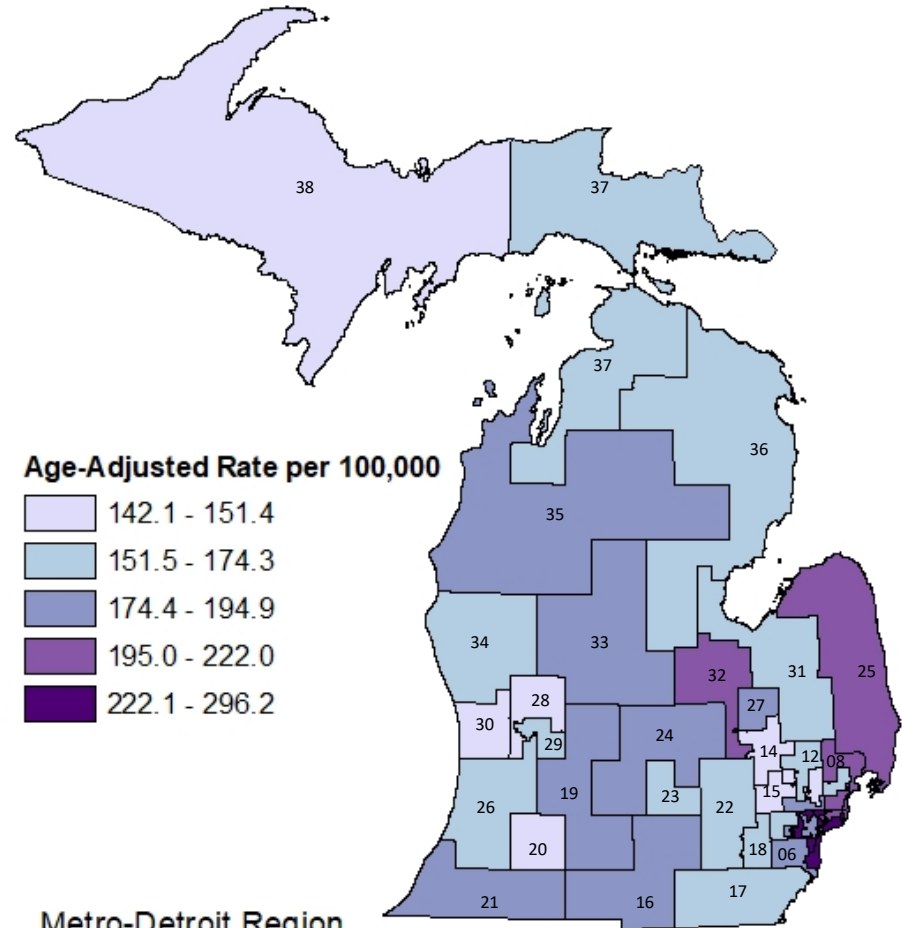


Metro-Detroit Region

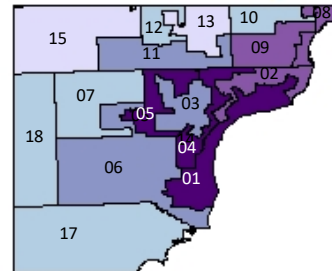


Note: Labels on the map reflect district number
 Source: Incidence data taken from the 2014-2016 Michigan Cancer Surveillance Program (MCSP). Rates are age-adjusted to the 2000 US Standard Population

Cancer Mortality by Michigan State Senate Districts, 2015-2017



Metro-Detroit Region

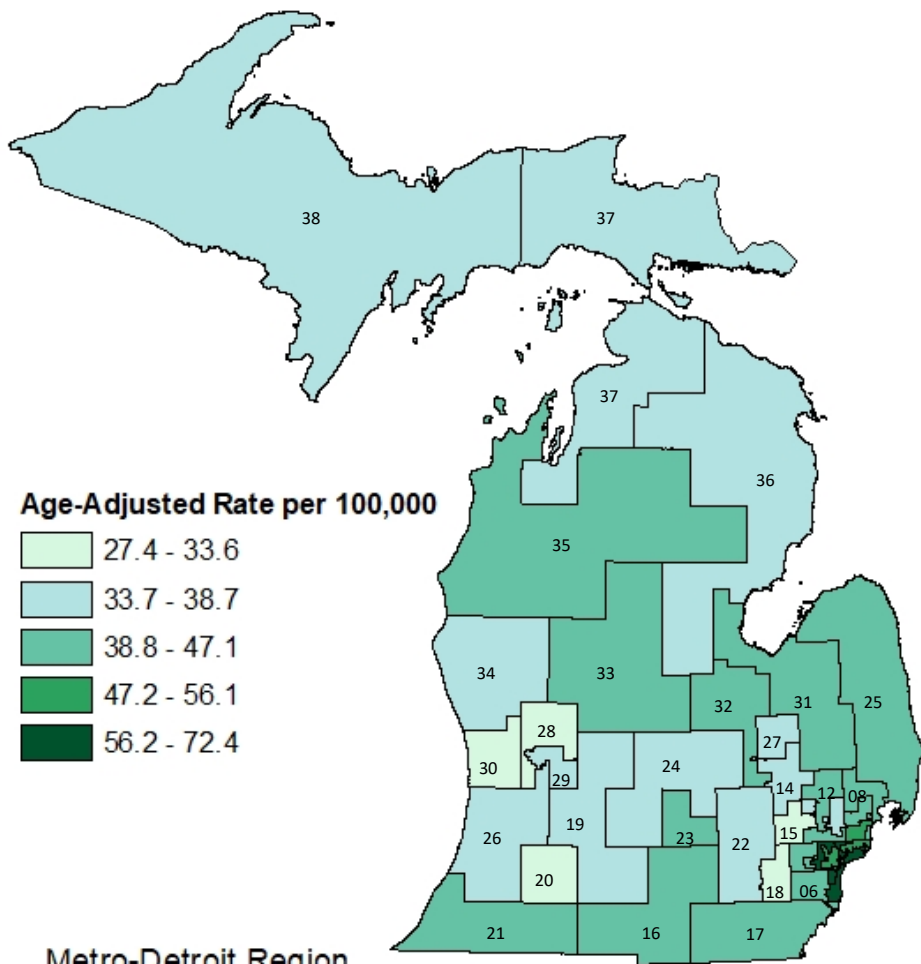


Note: Labels on the map reflect district number
 Source: Mortality data taken from the 2015-2017 Michigan Resident Death File. Rates are age-adjusted to the 2000 US Standard Population

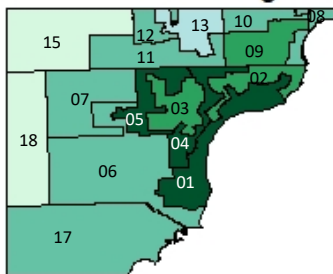
Cancer Incidence (2014-2016) and Mortality (2015-2017)

District	Number of Cases	Incidence Rate per 100,000	Rank	Number of Deaths	Mortality Rate per 100,000	Rank	District	Number of Cases	Incidence Rate per 100,000	Rank	Number of Deaths	Mortality Rate per 100,000	Rank
01	4,517	767.3	38	1,707	296.2	38	20	3,473	415.5	4	1,257	149.9	5
02	3,340	564.7	34	1,191	204.0	33	21	4,614	462.7	17	1,875	183.6	23
03	3,655	532.0	30	1,309	185.9	25	22	4,296	471.9	19	1,391	160.8	10
04	3,791	638.2	36	1,611	270.1	36	23	3,473	490.2	25	1,234	173.7	19
05	4,310	692.3	37	1,733	281.1	37	24	4,615	481.0	24	1,679	178.0	21
06	4,632	506.3	27	1,781	189.0	28	25	4,738	536.2	31	1,938	222.0	35
07	4,968	511.1	28	1,602	174.3	20	26	3,998	437.4	7	1,531	172.8	18
08	5,067	575.5	35	1,773	199.9	32	27	4,048	462.5	16	1,649	186.5	26
09	4,962	540.5	33	2,052	212.6	34	28	3,589	402.3	2	1,275	151.4	7
10	4,691	467.9	18	1,701	163.6	13	29	3,563	461.0	13	1,263	158.8	8
11	5,081	519.5	29	1,722	185.5	24	30	3,450	396.3	1	1,284	148.4	3
12	4,248	499.4	26	1,322	163.2	12	31	4,611	454.5	10	1,749	165.5	14
13	4,569	480.2	23	1,386	142.1	1	32	4,712	538.4	32	1,776	197.9	31
14	4,230	456.3	12	1,458	151.2	6	33	3,643	438.9	8	1,526	188.2	27
15	4,663	478.2	21	1,421	149.2	4	34	4,090	411.2	3	1,678	167.8	16
16	4,213	462.0	14	1,788	194.9	30	35	5,390	479.0	22	2,104	182.8	22
17	3,912	435.0	6	1,469	166.0	15	36	4,918	441.2	9	1,952	169.1	17
18	3,456	462.3	15	1,153	161.2	11	37	4,987	473.1	20	1,764	160.5	9
19	3,952	456.2	11	1,709	194.0	29	38	4,575	421.6	5	1,696	147.5	2

Colorectal Cancer Incidence by Michigan State Senate Districts, 2014-2016

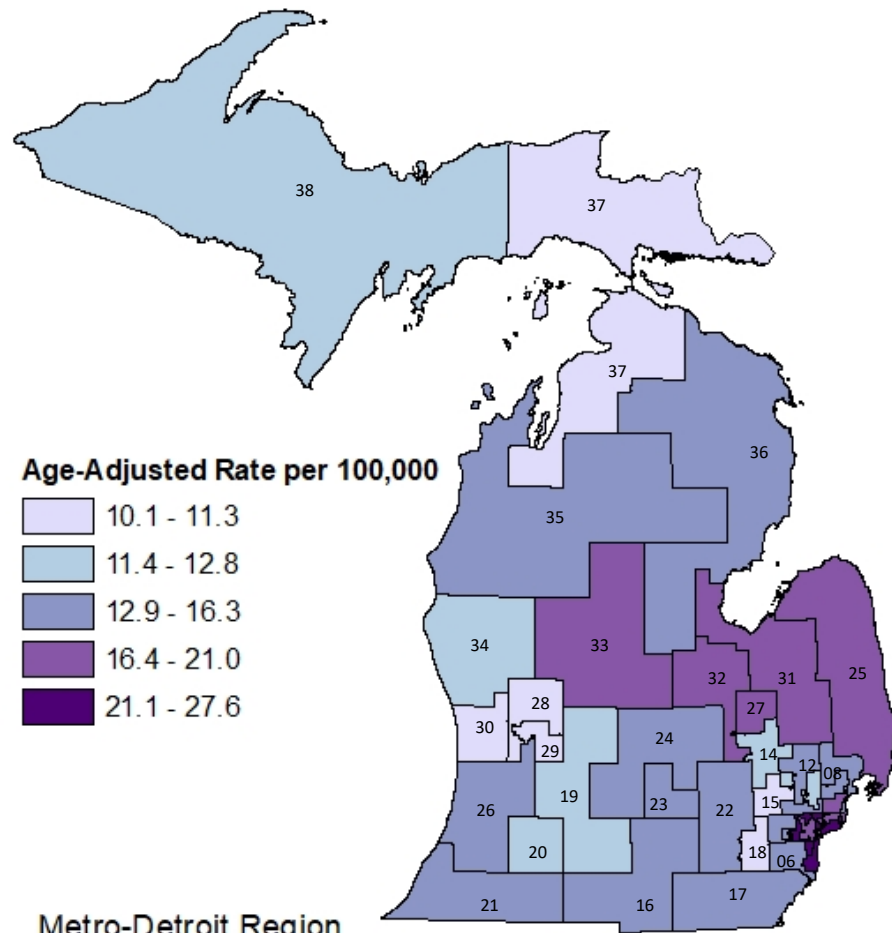


Metro-Detroit Region

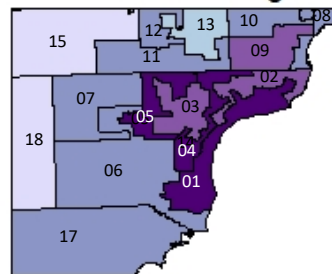


Note: Labels on the map reflect district number
 Source: Incidence data taken from the 2014-2016 Michigan Cancer Surveillance Program (MCSP). Rates are age-adjusted to the 2000 US Standard Population

Colorectal Cancer Mortality by Michigan State Senate Districts, 2015-2017



Metro-Detroit Region

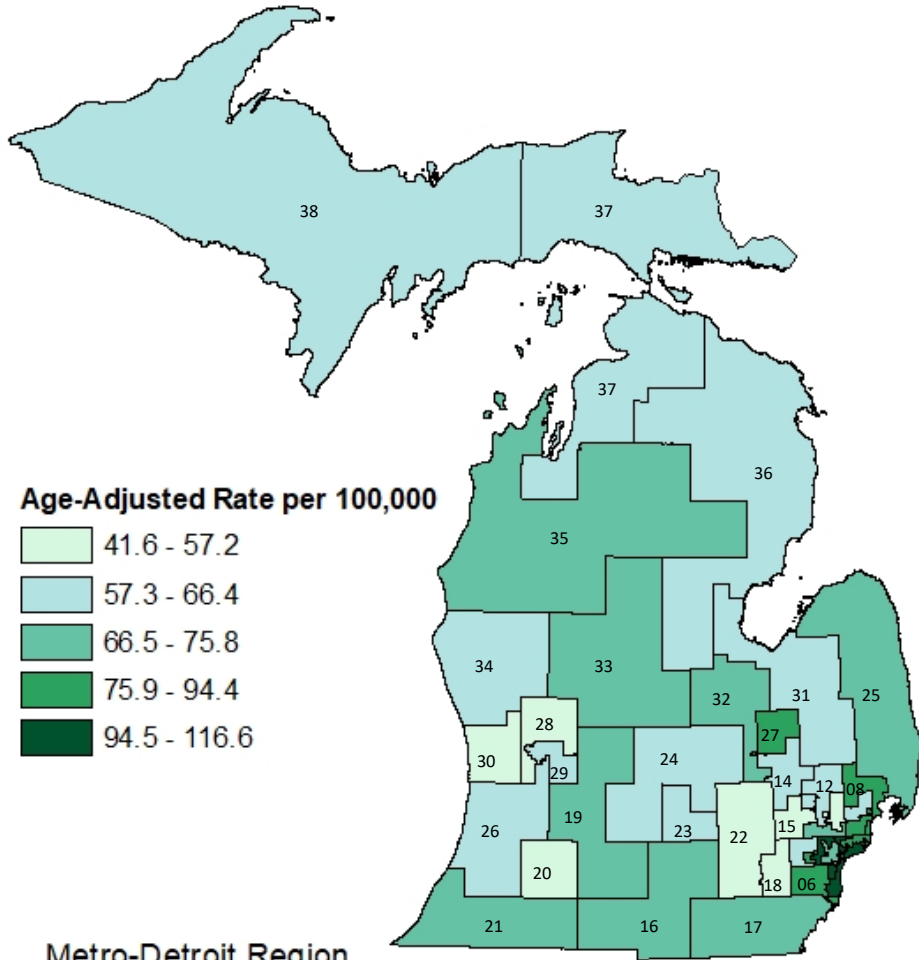


Note: Labels on the map reflect district number
 Source: Mortality data taken from the 2015-2017 Michigan Resident Death File. Rates are age-adjusted to the 2000 US Standard Population

Colorectal Cancer Incidence (2014-2016) and Mortality (2015-2017)

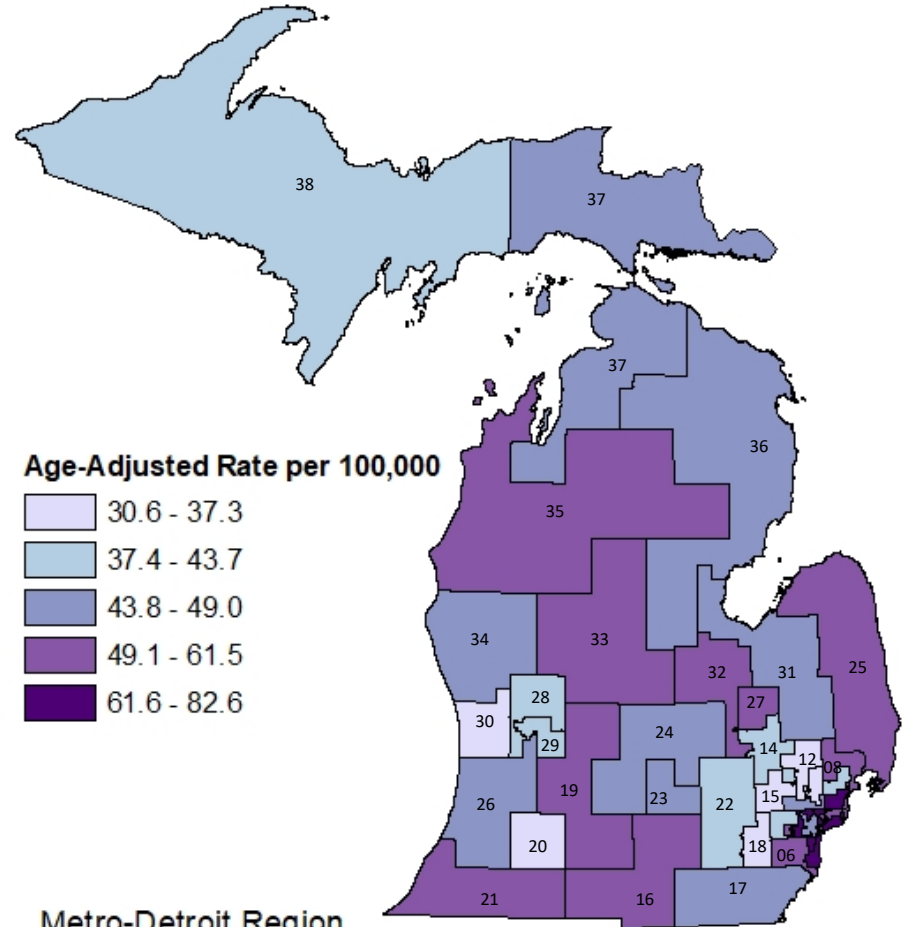
District	Number of Cases	Incidence Rate per 100,000	Rank	Number of Deaths	Mortality Rate per 100,000	Rank	District	Number of Cases	Incidence Rate per 100,000	Rank	Number of Deaths	Mortality Rate per 100,000	Rank
01	432	72.4	38	156	27.6	38	20	273	32.0	3	103	12.2	10
02	334	56.1	35	122	21.0	35	21	428	43.2	25	163	15.8	26
03	363	52.8	34	126	18.2	33	22	332	36.8	9	127	14.5	15
04	389	65.8	37	163	27.3	37	23	296	41.2	20	118	16.3	27
05	403	64.4	36	153	24.4	36	24	365	38.4	16	133	14.3	14
06	410	44.1	28	142	14.7	16	25	398	44.5	29	169	19.1	34
07	426	43.8	27	141	15.5	23	26	353	38.7	17	138	15.7	24
08	412	46.0	31	138	15.2	20	27	324	37.9	13	158	17.7	32
09	453	48.9	33	163	16.8	29	28	289	32.3	4	84	10.1	1
10	424	41.2	21	158	15.0	19	29	285	36.8	10	91	10.9	5
11	458	47.1	32	142	15.3	21	30	238	27.4	1	88	10.1	2
12	358	42.0	23	120	14.9	17	31	457	44.8	30	183	17.2	31
13	354	36.5	8	128	12.8	12	32	379	42.5	24	154	16.7	28
14	349	36.8	11	117	11.9	7	33	334	40.8	18	136	17.0	30
15	339	33.6	5	104	10.2	3	34	342	34.7	6	121	12.0	8
16	379	41.1	19	145	15.8	25	35	452	41.7	22	177	15.5	22
17	392	43.3	26	131	14.9	18	36	429	38.3	15	162	13.9	13
18	238	32.0	2	81	11.3	6	37	394	37.9	12	116	10.7	4
19	306	35.1	7	114	12.8	11	38	415	38.3	14	140	12.1	9

Lung and Bronchus Cancer Incidence by Michigan State Senate Districts, 2014-2016



Note: Labels on the map reflect district number
 Source: Incidence data taken from the 2014-2016 Michigan Cancer Surveillance Program (MCSP). Rates are age-adjusted to the 2000 US Standard Population

Lung and Bronchus Cancer Mortality by Michigan State Senate Districts, 2015-2017

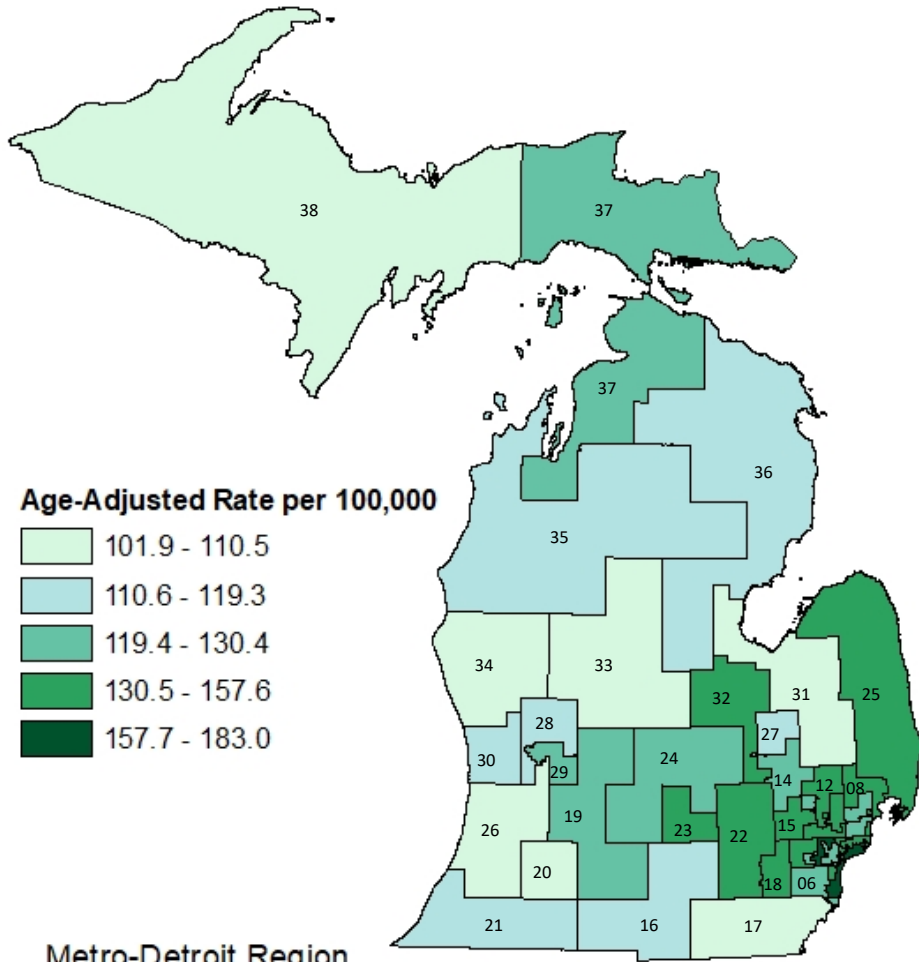


Note: Labels on the map reflect district number
 Source: Mortality data taken from the 2015-2017 Michigan Resident Death File. Rates are age-adjusted to the 2000 US Standard Population

Lung Cancer Incidence (2014-2016) and Mortality (2015-2017)

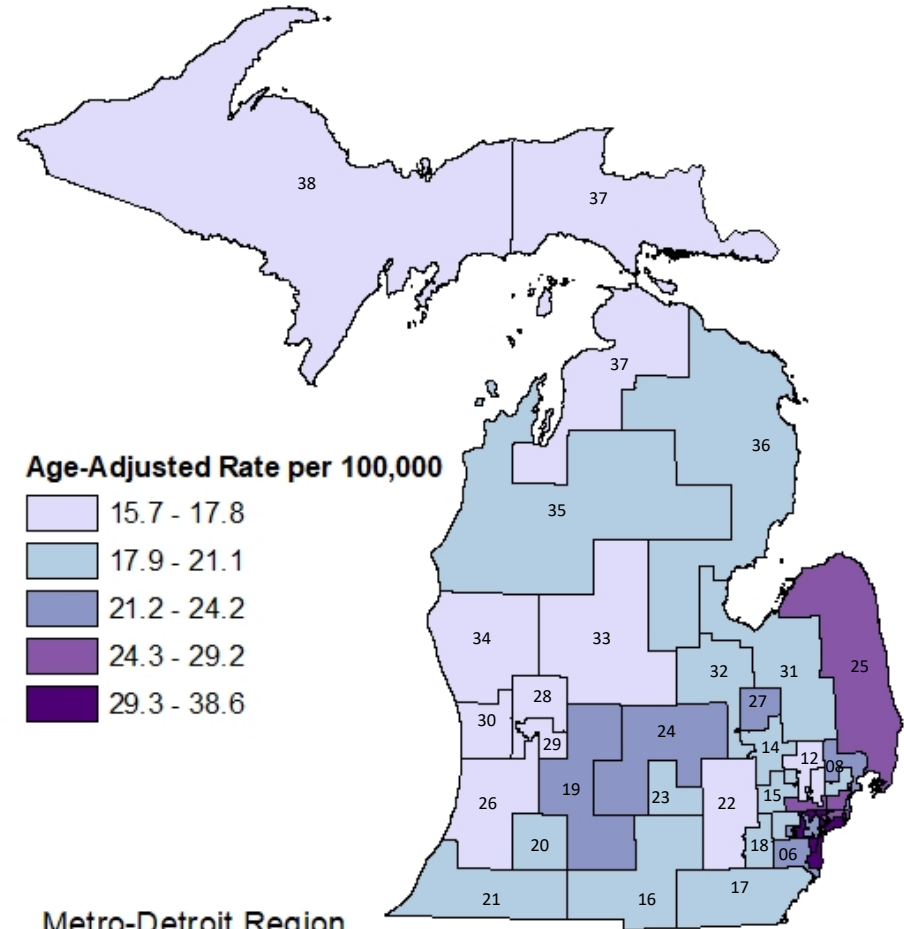
District	Number of Cases	Incidence Rate per 100,000	Rank	Number of Deaths	Mortality Rate per 100,000	Rank	District	Number of Cases	Incidence Rate per 100,000	Rank	Number of Deaths	Mortality Rate per 100,000	Rank
01	666	116.6	38	404	70.8	36	20	469	56.6	6	311	37.2	5
02	482	83.6	32	301	51.3	25	21	764	74.8	26	543	52.7	27
03	525	74.6	25	326	45.8	19	22	467	53.3	4	342	39.9	7
04	607	101.8	36	439	73.7	37	23	438	63.6	13	318	45.0	16
05	667	108.8	37	498	82.6	38	24	613	63.9	15	447	47.1	21
06	800	85.8	33	575	61.5	34	25	660	74.3	24	526	60.3	33
07	584	62.9	11	396	42.6	11	26	573	61.9	8	425	46.7	20
08	766	86.5	34	487	55.4	30	27	736	82.1	31	491	54.9	29
09	887	94.4	35	618	65.1	35	28	481	55.6	5	345	40.8	8
10	641	63.9	14	443	43.7	13	29	479	62.2	9	335	42.7	12
11	662	70.3	22	416	44.9	15	30	361	41.6	1	263	30.6	1
12	518	63.1	12	280	34.1	3	31	678	64.0	16	506	47.4	22
13	511	53.0	2	317	32.6	2	32	656	73.0	23	476	52.6	26
14	590	62.8	10	390	41.1	10	33	630	75.3	29	453	55.6	31
15	539	57.2	7	337	36.1	4	34	666	65.3	17	458	45.3	17
16	694	75.2	28	533	57.6	32	35	895	75.8	30	595	51.0	24
17	613	69.0	21	408	45.7	18	36	773	65.8	19	574	49.0	23
18	387	53.3	3	261	37.3	6	37	726	66.4	20	486	44.2	14
19	668	75.2	27	477	53.7	28	38	740	65.8	18	467	40.9	9

Female Breast Cancer Incidence by Michigan State Senate Districts, 2014-2016



Note: Labels on the map reflect district number
 Source: Incidence data taken from the 2014-2016 Michigan Cancer Surveillance Program (MCSP). Rates are age-adjusted to the 2000 US Standard Population

Female Breast Cancer Mortality by Michigan State Senate Districts, 2015-2017



Note: Labels on the map reflect district number
 Source: Mortality data taken from the 2015-2017 Michigan Resident Death File. Rates are age-adjusted to the 2000 US Standard Population

Female Breast Cancer Incidence (2014-2016) and Mortality (2015-2017)

District	Number of Cases	Incidence Rate per 100,000	Rank	Number of Deaths	Mortality Rate per 100,000	Rank	District	Number of Cases	Incidence Rate per 100,000	Rank	Number of Deaths	Mortality Rate per 100,000	Rank
01	588	180.9	37	130	38.6	38	20	491	110.5	7	91	18.8	12
02	475	145.3	35	96	29.2	35	21	599	112.9	8	109	19.8	20
03	471	128.1	21	88	22.0	28	22	682	138.1	26	85	17.8	11
04	531	157.6	36	118	33.4	36	23	516	135.6	24	79	20.0	22
05	634	183.0	38	135	37.6	37	24	633	123.7	17	121	23.0	30
06	605	122.2	16	121	22.7	29	25	644	138.7	27	126	26.0	32
07	771	141.4	31	105	19.5	15	26	532	106.5	3	85	17.5	9
08	690	145.0	34	113	21.9	27	27	558	115.5	12	117	24.2	31
09	639	130.4	23	149	26.8	33	28	559	114.5	10	80	16.4	2
10	687	126.1	20	121	20.4	23	29	539	130.3	22	74	15.7	1
11	761	140.2	28	151	28.3	34	30	557	119.3	14	83	17.2	7
12	669	141.0	30	83	17.0	4	31	560	107.1	4	104	19.2	14
13	725	143.9	33	95	17.4	8	32	670	143.8	32	101	20.9	24
14	625	124.2	18	107	19.6	16	33	441	101.9	1	76	17.0	5
15	755	140.7	29	109	19.7	17	34	548	105.7	2	91	16.7	3
16	554	114.9	11	99	19.7	18	35	655	113.9	9	119	19.0	13
17	523	108.5	5	97	20.0	21	36	660	117.3	13	117	19.8	19
18	558	137.4	25	86	21.1	25	37	667	124.9	19	105	17.7	10
19	531	121.3	15	102	21.5	26	38	584	109.2	6	101	17.1	6