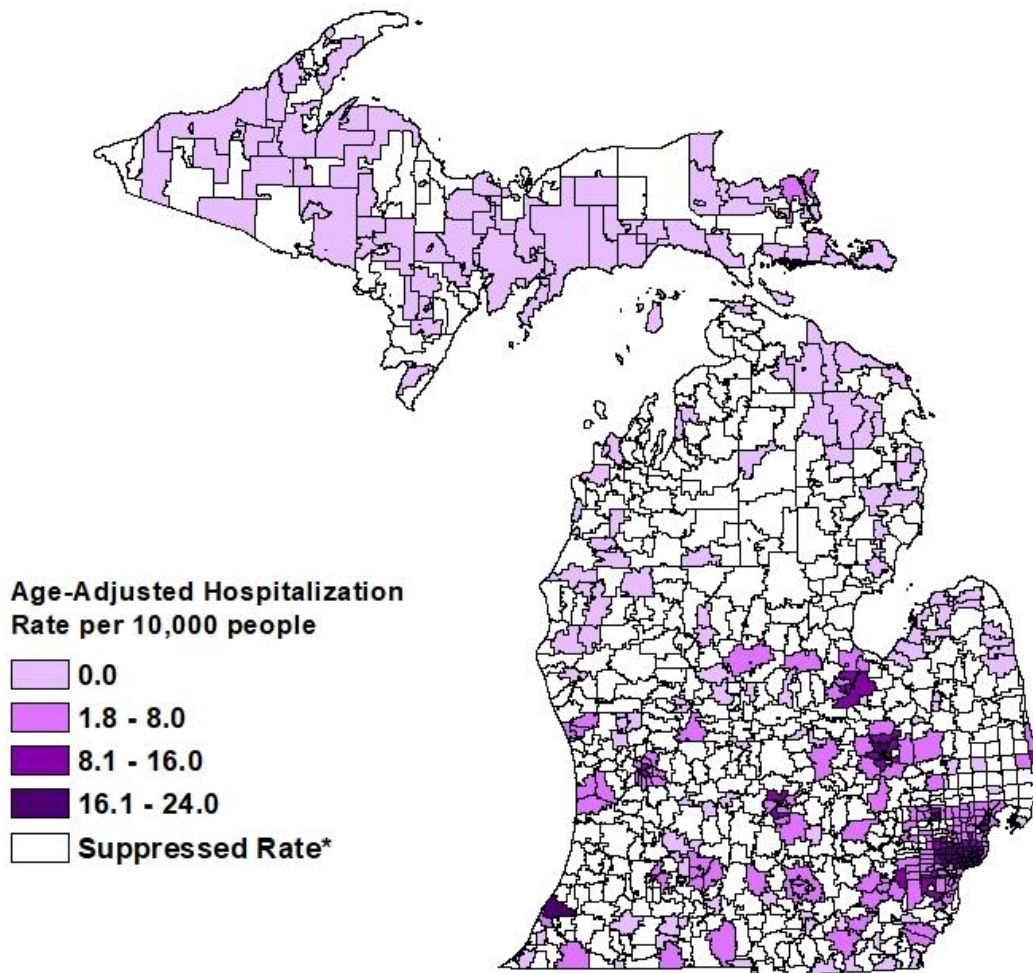


Age-Adjusted Hospitalization Rate per 10,000 Residents by Zip Code for Michigan and Detroit, 2018-2020

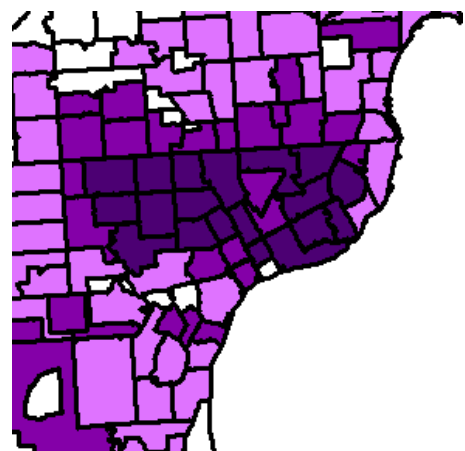


The Michigan 2018-2020 asthma hospitalization rate was 3.4 per 10,000 people. The Detroit region was significantly higher with a rate of 17.2 per 10,000 people.

Source: Michigan Inpatient Data Base, 2018-2020. Methods: Cases were included if asthma was the primary diagnosis code (ICD-10-CM J45 codes). Rates were age-adjusted to the 2010 US Standard Population. The Detroit region included the following zip codes: 48201, 48202, 48203, 48204, 48205, 48206, 48207, 48208, 48209, 48210, 48211, 48212, 48213, 48214, 48215, 48216, 48217, 48219, 48221, 48223, 48224, 48226, 48227, 48228, 48234, 48235, 48238.

*Rates were suppressed for counts of 1-19 events and are represented as “-” in the following tables. A rate of 0.0 has 0 events in the time period.

Detroit Region



Asthma Hospitalizations, 2018-2020

Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000
48001	-	48062	-	48116	-	48173	-
48002	0.0	48063	-	48117	-	48174	8.9
48003	-	48064	-	48118	-	48175	-
48005	-	48065	-	48120	-	48176	3.3
48006	-	48066	7.2	48122	8.0	48177	0.0
48009	3.0	48067	3.0	48124	3.7	48178	-
48014	-	48069	-	48125	8.6	48179	-
48015	9.8	48070	-	48126	4.2	48180	7.0
48017	-	48071	6.8	48127	4.0	48182	-
48021	14.0	48072	-	48128	-	48183	5.2
48022	-	48073	4.2	48130	-	48184	8.9
48023	-	48074	7.9	48131	-	48185	6.9
48025	-	48075	13.1	48133	0.0	48186	6.8
48026	-	48076	10.4	48134	5.4	48187	3.0
48027	-	48079	-	48135	4.0	48188	3.2
48028	0.0	48080	4.3	48136	-	48189	-
48030	9.9	48081	3.7	48137	-	48190	-
48032	-	48082	4.7	48138	-	48191	-
48033	13.2	48083	5.3	48139	0.0	48192	3.5
48034	13.1	48084	4.5	48140	-	48193	6.5
48035	8.2	48085	3.6	48141	14.8	48195	6.6
48036	5.2	48088	4.5	48143	-	48197	5.9
48037	-	48089	9.7	48144	0.0	48198	12.7
48038	4.8	48091	11.8	48145	-	48201	21.4
48039	-	48092	5.6	48146	7.5	48202	17.7
48040	-	48093	8.3	48150	2.9	48203	16.0
48041	-	48094	-	48152	2.6	48204	18.1
48042	3.1	48095	-	48154	2.8	48205	21.7
48043	14.7	48096	-	48157	0.0	48206	22.5
48044	3.3	48097	-	48158	-	48207	16.4
48045	4.0	48098	-	48159	0.0	48208	13.1
48046	-	48101	3.7	48160	-	48209	7.5
48047	3.3	48103	1.9	48161	4.1	48210	8.8
48048	-	48104	3.3	48162	4.5	48211	11.3
48049	-	48105	-	48164	-	48212	9.0
48050	0.0	48106	-	48165	-	48213	21.2
48051	5.4	48108	3.0	48166	-	48214	18.9
48054	-	48109	0.0	48167	-	48215	22.0
48059	5.6	48111	5.5	48168	-	48216	11.8
48060	10.5	48112	-	48169	-	48217	15.3
48061	-	48114	-	48170	3.4	48218	12.5

Asthma Hospitalizations, 2018-2020

Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000
48219	17.9	48326	7.2	48414	-	48463	-
48220	8.2	48327	4.8	48415	-	48464	0.0
48221	17.7	48328	4.2	48416	-	48465	0.0
48223	17.4	48329	4.3	48417	-	48466	-
48224	23.8	48331	-	48418	-	48467	-
48225	13.1	48334	5.4	48419	-	48468	-
48226	-	48335	-	48420	4.8	48469	-
48227	18.8	48336	4.6	48421	-	48470	0.0
48228	18.3	48340	8.8	48422	-	48471	-
48229	7.4	48341	13.0	48423	3.5	48472	-
48230	5.2	48342	16.3	48426	-	48473	3.2
48231	-	48346	-	48427	0.0	48475	-
48233	-	48348	-	48428	0.0	48476	0.0
48234	18.4	48350	-	48429	-	48501	-
48235	22.8	48353	-	48430	3.1	48502	-
48236	5.5	48356	-	48432	0.0	48503	13.8
48237	14.4	48357	-	48433	4.7	48504	17.5
48238	18.5	48359	-	48434	0.0	48505	23.4
48239	12.2	48360	-	48435	-	48506	10.1
48240	10.8	48362	-	48436	-	48507	13.4
48242	-	48363	-	48437	-	48509	-
48243	0.0	48367	-	48438	-	48519	9.3
48244	-	48370	0.0	48439	4.9	48529	-
48301	-	48371	2.4	48440	0.0	48531	-
48302	-	48374	-	48441	-	48532	13.4
48304	-	48375	-	48442	-	48551	0.0
48306	-	48376	-	48444	-	48553	0.0
48307	5.5	48377	4.8	48445	0.0	48554	0.0
48309	2.5	48380	-	48446	3.4	48601	14.5
48310	3.7	48381	-	48449	-	48602	10.5
48312	5.5	48382	3.8	48450	-	48603	4.1
48313	3.9	48383	-	48451	-	48604	9.1
48314	4.8	48386	4.0	48453	-	48606	-
48315	5.4	48387	-	48454	-	48607	-
48316	4.0	48390	-	48455	-	48609	4.7
48317	4.6	48393	4.8	48456	0.0	48610	-
48320	-	48397	0.0	48457	-	48611	-
48321	-	48401	-	48458	9.5	48612	-
48322	2.4	48411	0.0	48460	-	48613	-
48323	-	48412	-	48461	-	48614	-
48324	-	48413	-	48462	-	48615	0.0

Asthma Hospitalizations, 2018-2020

Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000
48616	-	48703	-	48760	0.0	48846	-
48617	-	48705	-	48761	-	48847	-
48618	-	48706	4.6	48762	-	48848	-
48619	0.0	48707	-	48763	-	48849	-
48620	-	48708	4.0	48765	0.0	48850	-
48621	-	48710	0.0	48766	-	48851	-
48622	-	48720	0.0	48767	0.0	48852	0.0
48623	-	48721	0.0	48768	-	48853	0.0
48624	-	48722	0.0	48770	-	48854	3.3
48625	-	48723	-	48801	-	48855	-
48626	-	48724	0.0	48804	-	48856	-
48627	0.0	48725	0.0	48806	-	48857	-
48628	-	48726	-	48807	0.0	48858	3.6
48629	-	48727	-	48808	-	48860	-
48630	0.0	48728	-	48809	-	48861	-
48631	-	48729	-	48811	-	48864	-
48632	-	48730	-	48813	-	48865	-
48633	0.0	48731	0.0	48815	-	48866	-
48634	-	48732	-	48816	0.0	48867	5.0
48635	-	48733	-	48817	-	48870	0.0
48636	-	48734	-	48818	-	48871	-
48637	-	48735	-	48819	0.0	48872	-
48638	11.6	48737	0.0	48820	-	48873	-
48640	2.1	48738	0.0	48821	-	48874	0.0
48642	-	48739	-	48822	-	48875	-
48647	-	48740	-	48823	2.3	48876	-
48649	-	48741	-	48825	0.0	48877	-
48650	-	48742	0.0	48827	-	48878	-
48651	-	48743	0.0	48829	0.0	48879	-
48652	-	48744	-	48831	-	48880	-
48653	-	48745	0.0	48832	0.0	48881	-
48654	-	48746	-	48834	-	48883	-
48655	-	48747	-	48835	-	48884	-
48656	-	48748	0.0	48836	-	48885	-
48657	-	48749	-	48837	-	48886	-
48658	-	48750	-	48838	5.1	48888	-
48659	-	48754	0.0	48840	-	48889	-
48661	-	48755	-	48841	0.0	48890	0.0
48662	-	48756	-	48842	5.2	48891	-
48667	0.0	48757	-	48843	2.7	48892	-
48701	0.0	48759	0.0	48845	0.0	48893	-

Asthma Hospitalizations, 2018-2020

Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000
48894	-	49036	7.1	49089	-	49230	-
48895	-	49037	5.9	49090	-	49232	-
48896	0.0	49038	-	49091	4.7	49233	0.0
48897	0.0	49040	-	49092	-	49234	-
48901	-	49042	-	49093	-	49235	-
48906	8.0	49043	-	49094	-	49236	-
48910	6.3	49045	-	49095	-	49237	0.0
48911	9.5	49046	0.0	49096	-	49238	0.0
48912	7.1	49047	-	49097	-	49240	-
48915	13.3	49048	2.8	49098	-	49241	-
48917	5.7	49050	0.0	49099	-	49242	-
48921	0.0	49051	-	49101	0.0	49245	-
48933	-	49052	-	49102	-	49246	-
49001	-	49053	-	49103	-	49247	-
49002	-	49055	-	49104	0.0	49248	0.0
49004	4.9	49056	-	49106	-	49249	-
49006	-	49057	-	49107	-	49250	-
49007	9.9	49058	-	49111	-	49251	-
49008	-	49060	0.0	49112	-	49252	-
49009	-	49061	-	49113	-	49253	-
49010	-	49064	-	49115	0.0	49254	-
49011	-	49065	-	49116	0.0	49255	0.0
49012	0.0	49066	0.0	49117	-	49256	0.0
49013	-	49067	0.0	49119	-	49259	-
49014	3.1	49068	-	49120	3.2	49261	0.0
49015	2.8	49070	-	49125	-	49262	-
49016	-	49071	-	49126	-	49263	0.0
49017	3.3	49072	0.0	49127	-	49264	-
49021	-	49073	-	49128	0.0	49265	-
49022	16.9	49074	0.0	49129	0.0	49266	-
49023	-	49075	0.0	49130	0.0	49267	0.0
49024	-	49076	-	49201	3.1	49268	-
49026	-	49078	-	49202	3.4	49269	-
49027	0.0	49079	-	49203	5.6	49270	-
49028	-	49080	-	49204	-	49271	-
49029	0.0	49082	-	49220	0.0	49272	-
49030	-	49083	-	49221	3.7	49274	-
49031	-	49084	-	49224	5.3	49276	-
49032	0.0	49085	2.2	49227	-	49277	-
49033	-	49087	-	49228	-	49279	-
49034	-	49088	-	49229	-	49282	0.0

Asthma Hospitalizations, 2018-2020

Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000
49283	-	49342	-	49446	-	49618	-
49284	-	49343	-	49448	-	49619	0.0
49285	-	49344	-	49449	-	49620	-
49286	4.6	49345	-	49450	-	49621	-
49287	0.0	49346	-	49451	-	49622	0.0
49288	-	49347	0.0	49452	0.0	49623	-
49289	0.0	49348	-	49453	-	49625	0.0
49301	-	49349	-	49454	-	49626	0.0
49302	-	49401	-	49455	-	49627	0.0
49303	0.0	49402	0.0	49456	-	49628	0.0
49304	-	49403	0.0	49457	-	49629	0.0
49305	0.0	49404	-	49458	0.0	49630	-
49306	-	49405	-	49459	0.0	49631	-
49307	-	49406	0.0	49460	-	49632	-
49309	-	49408	-	49461	-	49633	-
49310	0.0	49410	0.0	49464	2.0	49634	0.0
49312	0.0	49411	0.0	49501	-	49635	-
49315	-	49412	-	49503	9.9	49636	0.0
49316	-	49415	-	49504	6.0	49637	-
49318	0.0	49417	-	49505	4.7	49638	-
49319	-	49418	-	49506	5.4	49639	-
49320	-	49419	-	49507	8.8	49640	0.0
49321	-	49420	0.0	49508	4.6	49642	-
49322	0.0	49421	-	49509	5.2	49643	-
49323	-	49422	-	49510	-	49644	-
49325	0.0	49423	1.8	49512	6.3	49645	-
49326	-	49424	2.2	49514	-	49646	-
49327	-	49425	-	49519	5.7	49648	0.0
49328	-	49426	-	49525	3.5	49649	-
49329	-	49428	-	49534	-	49650	-
49330	0.0	49431	-	49544	-	49651	-
49331	-	49434	0.0	49546	4.0	49653	-
49332	-	49435	-	49548	3.7	49654	0.0
49333	-	49436	-	49601	-	49655	-
49335	0.0	49437	-	49611	0.0	49656	0.0
49336	-	49440	0.0	49612	-	49657	0.0
49337	-	49441	2.7	49613	0.0	49659	-
49338	-	49442	4.1	49614	-	49660	-
49339	-	49443	-	49615	-	49663	-
49340	-	49444	7.1	49616	-	49664	0.0
49341	-	49445	-	49617	-	49665	-

Asthma Hospitalizations, 2018-2020

Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000
49665	-	49729	-	49795	-	49861	0.0
49666	0.0	49730	-	49796	0.0	49862	-
49667	-	49733	0.0	49799	-	49863	0.0
49668	-	49735	-	49801	-	49864	0.0
49670	-	49736	0.0	49802	-	49866	-
49674	0.0	49738	-	49805	0.0	49868	-
49675	0.0	49740	-	49806	0.0	49870	-
49676	-	49743	-	49807	-	49871	0.0
49677	-	49744	0.0	49808	0.0	49872	0.0
49679	0.0	49745	0.0	49812	0.0	49873	0.0
49680	-	49746	0.0	49814	-	49874	0.0
49682	-	49747	-	49815	0.0	49876	0.0
49683	-	49748	0.0	49816	0.0	49877	0.0
49684	-	49749	-	49817	0.0	49878	0.0
49685	-	49751	-	49818	0.0	49879	0.0
49686	-	49752	0.0	49819	0.0	49880	0.0
49688	-	49753	0.0	49820	0.0	49881	0.0
49689	0.0	49755	-	49821	-	49883	0.0
49690	-	49756	-	49822	0.0	49884	-
49696	-	49757	0.0	49825	0.0	49885	0.0
49701	-	49759	0.0	49826	0.0	49886	0.0
49705	0.0	49760	0.0	49827	0.0	49887	-
49706	-	49762	0.0	49829	-	49891	0.0
49707	-	49764	0.0	49831	0.0	49892	-
49709	0.0	49765	0.0	49833	0.0	49893	0.0
49710	0.0	49766	-	49834	0.0	49894	0.0
49712	-	49768	0.0	49835	0.0	49895	0.0
49713	-	49769	-	49836	0.0	49896	-
49715	0.0	49770	-	49837	-	49901	0.0
49716	-	49774	-	49838	0.0	49902	0.0
49717	0.0	49775	0.0	49839	-	49903	0.0
49718	0.0	49776	-	49840	0.0	49905	0.0
49719	0.0	49777	0.0	49841	-	49908	-
49720	-	49779	0.0	49847	0.0	49910	-
49721	-	49780	-	49848	0.0	49911	-
49722	-	49781	-	49849	-	49912	-
49724	-	49782	0.0	49852	0.0	49913	-
49725	0.0	49783	4.9	49853	-	49915	0.0
49726	0.0	49788	-	49854	0.0	49916	-
49727	-	49791	0.0	49855	-	49917	0.0
49728	0.0	49793	0.0	49858	-	49918	0.0

Asthma Hospitalizations, 2018-2020

Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000	Zip Code	Rate per 10,000
49919	-	49934	0.0	49952	0.0	49965	0.0
49920	0.0	49935	-	49953	0.0	49967	0.0
49921	0.0	49938	-	49955	0.0	49968	0.0
49922	-	49942	0.0	49958	0.0	49969	0.0
49925	0.0	49945	0.0	49959	0.0	49970	0.0
49927	-	49946	0.0	49960	-	49971	0.0
49929	0.0	49947	-	49961	-		
49930	-	49948	0.0	49962	0.0		
49931	-	49950	-	49963	0.0		

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