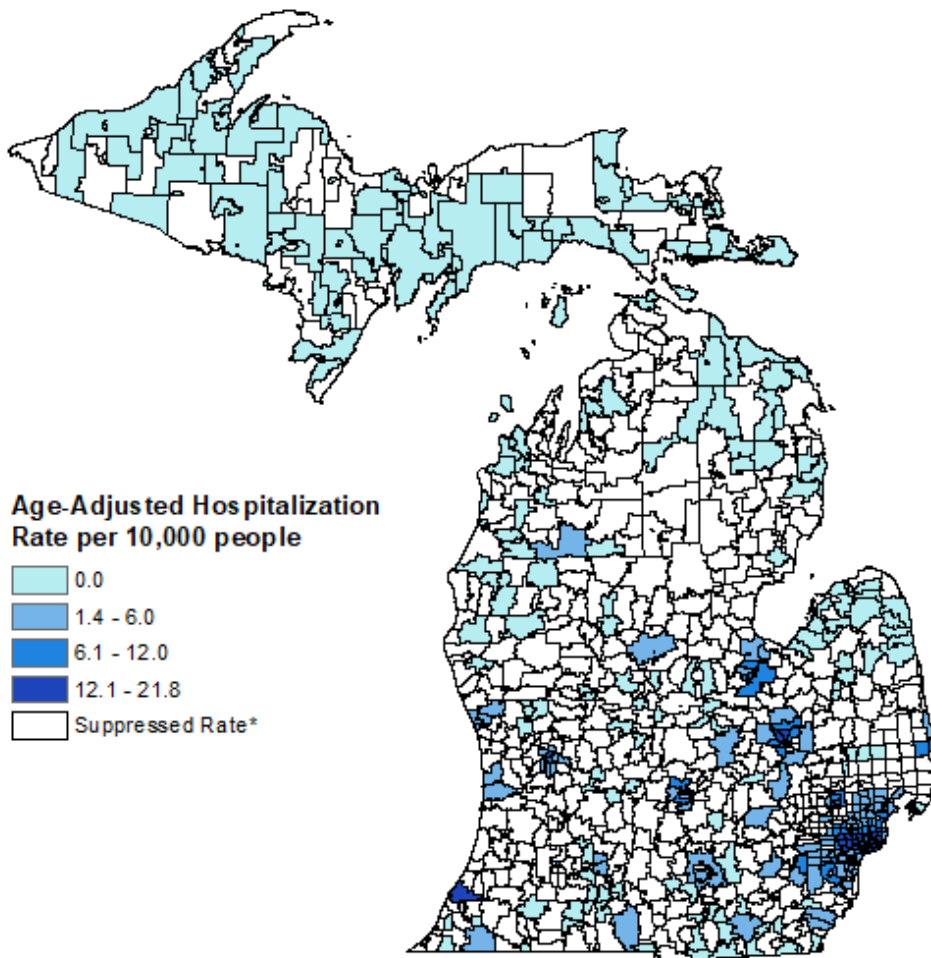


Age-Adjusted Asthma Hospitalization Rate per 10,000 Residents by Zip Code for Michigan and Detroit, 2019-2021

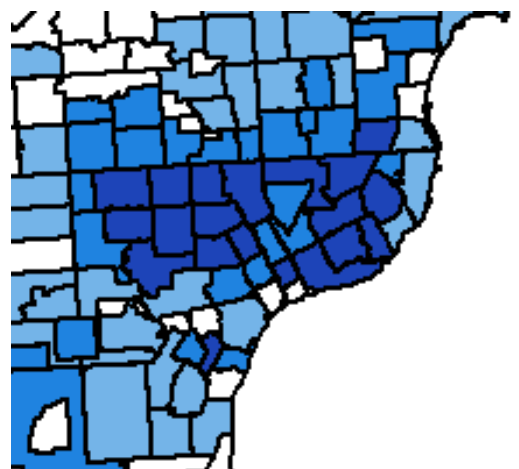


The Michigan 2019-2021 asthma hospitalization rate was 2.5 per 10,000 people. The Detroit region was significantly higher with a rate of 14.0 per 10,000 people.

Source: Michigan Inpatient Data Base, 2019-2021. Methods: Cases were included if asthma was the primary diagnosis code (ICD-10-CM J45 codes). Rates were age-adjusted to the 2010 U.S. 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, 2019-2021

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	6.8
48003	0.0	48064	-	48118	-	48175	-
48005	-	48065	-	48120	-	48176	-
48006	-	48066	6.8	48122	6.4	48177	0.0
48009	-	48067	3.2	48124	2.4	48178	-
48014	-	48069	-	48125	4.6	48179	-
48015	9.0	48070	-	48126	3.2	48180	5.9
48017	-	48071	4.8	48127	3.3	48182	-
48021	12.7	48072	-	48128	-	48183	4.4
48022	-	48073	2.4	48130	-	48184	6.9
48023	-	48074	6.8	48131	-	48185	5.6
48025	-	48075	10.4	48133	0.0	48186	5.7
48026	-	48076	8.1	48134	4.0	48187	2.4
48027	-	48079	-	48135	3.3	48188	2.4
48028	0.0	48080	4.2	48136	-	48189	-
48030	6.3	48081	-	48137	-	48190	-
48032	-	48082	-	48138	-	48191	-
48033	8.3	48083	4.5	48139	0.0	48192	3.7
48034	11.3	48084	4.6	48140	-	48193	-
48035	6.0	48085	2.8	48141	11.7	48195	5.1
48036	4.9	48088	4.1	48143	-	48197	5.6
48037	-	48089	8.6	48144	0.0	48198	10.6
48038	3.5	48091	9.5	48145	-	48201	15.6
48039	-	48092	4.0	48146	5.4	48202	11.3
48040	-	48093	7.0	48150	-	48203	13.8
48041	-	48094	-	48152	1.7	48204	15.5
48042	2.8	48095	-	48154	1.7	48205	20.2
48043	10.1	48096	-	48157	-	48206	14.5
48044	2.7	48097	-	48158	-	48207	12.2
48045	3.5	48098	-	48159	0.0	48208	9.8
48046	-	48101	2.6	48160	-	48209	4.7
48047	3.1	48103	1.4	48161	2.8	48210	6.6
48048	-	48104	-	48162	3.1	48211	10.0
48049	-	48105	-	48164	-	48212	7.2
48050	-	48106	-	48165	-	48213	18.3
48051	-	48108	-	48166	-	48214	15.6
48054	-	48109	0.0	48167	-	48215	14.8
48059	5.1	48111	4.6	48168	-	48216	-
48060	8.2	48112	-	48169	-	48217	12.4
48061	-	48114	-	48170	2.3	48218	8.8

Asthma Hospitalizations, 2019-2021

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	13.9	48326	6.2	48414	-	48463	-
48220	6.6	48327	-	48415	-	48464	-
48221	15.2	48328	3.2	48416	-	48465	0.0
48223	15.6	48329	-	48417	-	48466	-
48224	21.8	48331	-	48418	0.0	48467	-
48225	11.0	48334	-	48419	-	48468	-
48226	-	48335	-	48420	3.8	48469	-
48227	15.6	48336	3.9	48421	-	48470	0.0
48228	15.0	48340	8.5	48422	-	48471	-
48229	-	48341	12.2	48423	2.4	48472	0.0
48230	4.2	48342	9.4	48426	-	48473	-
48231	-	48346	-	48427	0.0	48475	-
48233	0.0	48348	-	48428	0.0	48476	0.0
48234	16.1	48350	-	48429	-	48501	-
48235	19.1	48353	-	48430	2.2	48502	-
48236	4.4	48356	-	48432	0.0	48503	10.9
48237	10.9	48357	-	48433	3.2	48504	15.5
48238	14.2	48359	-	48434	0.0	48505	15.4
48239	9.4	48360	-	48435	-	48506	7.3
48240	9.1	48362	-	48436	-	48507	11.8
48242	-	48363	-	48437	-	48509	-
48243	0.0	48367	-	48438	-	48519	-
48244	-	48370	0.0	48439	4.3	48529	-
48301	-	48371	-	48440	0.0	48531	-
48302	-	48374	-	48441	0.0	48532	11.7
48304	-	48375	-	48442	-	48551	0.0
48306	-	48376	-	48444	-	48553	0.0
48307	4.6	48377	-	48445	0.0	48554	0.0
48309	-	48380	-	48446	-	48601	11.6
48310	3.2	48381	-	48449	-	48602	7.9
48312	4.1	48382	-	48450	-	48603	4.2
48313	4.2	48383	-	48451	-	48604	9.4
48314	3.0	48386	-	48453	-	48606	-
48315	4.0	48387	-	48454	-	48607	-
48316	3.7	48390	-	48455	-	48609	-
48317	4.0	48393	-	48456	0.0	48610	-
48320	-	48397	0.0	48457	-	48611	-
48321	-	48401	-	48458	6.8	48612	-
48322	2.1	48411	0.0	48460	-	48613	-
48323	-	48412	-	48461	-	48614	0.0
48324	-	48413	0.0	48462	-	48615	0.0

Asthma Hospitalizations, 2019-2021

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	3.6	48762	-	48848	-
48619	0.0	48707	-	48763	-	48849	-
48620	-	48708	3.5	48765	0.0	48850	-
48621	0.0	48710	0.0	48766	-	48851	-
48622	-	48720	0.0	48767	0.0	48852	0.0
48623	-	48721	-	48768	-	48853	0.0
48624	-	48722	-	48770	-	48854	-
48625	-	48723	-	48801	-	48855	-
48626	-	48724	0.0	48804	-	48856	0.0
48627	0.0	48725	0.0	48806	-	48857	-
48628	-	48726	-	48807	0.0	48858	2.7
48629	-	48727	-	48808	-	48860	0.0
48630	0.0	48728	0.0	48809	-	48861	-
48631	-	48729	0.0	48811	-	48864	-
48632	-	48730	-	48813	-	48865	-
48633	0.0	48731	0.0	48815	0.0	48866	-
48634	-	48732	-	48816	0.0	48867	4.2
48635	-	48733	-	48817	-	48870	0.0
48636	-	48734	-	48818	0.0	48871	-
48637	0.0	48735	0.0	48819	0.0	48872	-
48638	9.6	48737	-	48820	-	48873	-
48640	-	48738	0.0	48821	-	48874	0.0
48642	-	48739	-	48822	-	48875	-
48647	-	48740	0.0	48823	-	48876	-
48649	-	48741	0.0	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	0.0	48883	-
48655	-	48747	-	48835	-	48884	-
48656	-	48748	-	48836	-	48885	-
48657	-	48749	-	48837	-	48886	-
48658	-	48750	-	48838	-	48888	-
48659	-	48754	0.0	48840	-	48889	-
48661	-	48755	-	48841	0.0	48890	0.0
48662	-	48756	-	48842	4.7	48891	-
48667	0.0	48757	-	48843	2.2	48892	-
48701	0.0	48759	0.0	48845	-	48893	-

Asthma Hospitalizations, 2019-2021

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	4.2	49089	0.0	49230	-
48895	-	49037	4.6	49090	-	49232	-
48896	0.0	49038	-	49091	-	49233	-
48897	0.0	49040	-	49092	-	49234	-
48901	-	49042	-	49093	-	49235	0.0
48906	8.1	49043	-	49094	-	49236	-
48910	5.2	49045	-	49095	-	49237	0.0
48911	7.9	49046	-	49096	-	49238	0.0
48912	6.9	49047	-	49097	-	49240	0.0
48915	7.8	49048	-	49098	-	49241	-
48917	5.2	49050	-	49099	-	49242	-
48921	0.0	49051	-	49101	0.0	49245	-
48933	-	49052	0.0	49102	0.0	49246	0.0
49001	-	49053	-	49103	-	49247	-
49002	-	49055	-	49104	0.0	49248	0.0
49004	-	49056	-	49106	-	49249	-
49006	-	49057	-	49107	-	49250	-
49007	8.4	49058	-	49111	-	49251	-
49008	-	49060	0.0	49112	-	49252	-
49009	-	49061	-	49113	0.0	49253	0.0
49010	-	49064	-	49115	0.0	49254	-
49011	0.0	49065	-	49116	0.0	49255	0.0
49012	0.0	49066	0.0	49117	-	49256	0.0
49013	-	49067	0.0	49119	-	49259	-
49014	-	49068	-	49120	3.0	49261	-
49015	2.4	49070	-	49125	-	49262	0.0
49016	-	49071	-	49126	-	49263	0.0
49017	-	49072	0.0	49127	-	49264	-
49021	-	49073	-	49128	-	49265	-
49022	15.8	49074	0.0	49129	0.0	49266	-
49023	-	49075	0.0	49130	0.0	49267	0.0
49024	-	49076	-	49201	1.5	49268	0.0
49026	-	49078	-	49202	-	49269	-
49027	0.0	49079	-	49203	3.3	49270	-
49028	-	49080	-	49204	-	49271	0.0
49029	0.0	49082	-	49220	0.0	49272	-
49030	-	49083	-	49221	2.3	49274	-
49031	-	49084	-	49224	-	49276	-
49032	0.0	49085	-	49227	-	49277	-
49033	-	49087	-	49228	-	49279	-
49034	0.0	49088	-	49229	-	49282	0.0

Asthma Hospitalizations, 2019-2021

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	0.0
49286	-	49345	-	49450	-	49621	-
49287	0.0	49346	-	49451	-	49622	0.0
49288	0.0	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	-
49305	0.0	49404	-	49458	0.0	49630	0.0
49306	-	49405	-	49459	-	49631	-
49307	-	49406	0.0	49460	-	49632	-
49309	0.0	49408	-	49461	-	49633	-
49310	-	49410	0.0	49464	-	49634	0.0
49312	0.0	49411	0.0	49501	-	49635	-
49315	-	49412	-	49503	7.5	49636	0.0
49316	-	49415	-	49504	4.2	49637	-
49318	0.0	49417	-	49505	2.9	49638	-
49319	-	49418	-	49506	3.3	49639	-
49320	0.0	49419	-	49507	7.1	49640	0.0
49321	-	49420	0.0	49508	3.8	49642	-
49322	0.0	49421	-	49509	4.1	49643	-
49323	-	49422	-	49510	-	49644	-
49325	0.0	49423	1.6	49512	-	49645	-
49326	-	49424	1.6	49514	-	49646	-
49327	-	49425	-	49519	3.0	49648	0.0
49328	-	49426	-	49525	-	49649	-
49329	-	49428	-	49534	-	49650	0.0
49330	0.0	49431	-	49544	-	49651	-
49331	-	49434	0.0	49546	3.2	49653	-
49332	-	49435	-	49548	2.9	49654	0.0
49333	-	49436	-	49601	2.9	49655	-
49335	0.0	49437	-	49611	0.0	49656	0.0
49336	-	49440	0.0	49612	-	49657	0.0
49337	-	49441	1.9	49613	0.0	49659	-
49338	-	49442	3.4	49614	-	49660	-
49339	-	49443	-	49615	-	49663	-
49340	-	49444	5.9	49616	-	49664	0.0
49341	-	49445	-	49617	-	49665	-

Asthma Hospitalizations, 2019-2021

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	0.0	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	-	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	0.0	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	-	49885	0.0
49701	0.0	49759	0.0	49826	0.0	49886	0.0
49705	-	49760	0.0	49827	0.0	49887	0.0
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	-	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	0.0	49840	0.0	49905	0.0
49719	0.0	49777	0.0	49841	-	49908	0.0
49720	-	49779	0.0	49847	0.0	49910	-
49721	-	49780	-	49848	0.0	49911	-
49722	-	49781	-	49849	-	49912	-
49724	0.0	49782	0.0	49852	0.0	49913	-
49725	0.0	49783	-	49853	-	49915	0.0
49726	0.0	49788	-	49854	0.0	49916	-
49727	0.0	49791	0.0	49855	-	49917	0.0
49728	0.0	49793	0.0	49858	-	49918	0.0

Asthma Hospitalizations, 2019-2021

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	0.0		
49930	-	49948	0.0	49962	0.0		
49931	0.0	49950	-	49963	0.0		

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