



Champion positive health outcomes and behaviors through innovative programs and community engagement

Jefferson County, Missouri
Weekly Total Covid-19 Surveillance Report
Includes Community Based Cases and Long-Term Care Facility Cases

Week 4: January 24- January 30

All data are preliminary and may change as more reports are received.

SUMMARY:

- During Week 4 a total of 568 confirmed and probable Covid-19 cases were reported in Jefferson County. A cumulative total of 20608 confirmed and probable Covid-19 cases have been reported in Jefferson County as of Week 4.
- One hundred sixty-seven Covid-19 associated deaths have been reported in Jefferson County as of Week 4.
- Twenty-six outbreaks of Covid-19 have been reported in long-term care facilities (LTCF) in Jefferson County.¹

¹Outbreaks are defined as a LTCF with one or more confirmed cases of Covid-19 in residents or staff.

EPIDEMIOLOGIC DATA

Table 1. Number of Confirmed and Probable Covid-19 Cases by Week, Jefferson County, Missouri

CDC Week	CDC Week Start Date	Covid-19 Cases	Cumulative Covid-19 Case Total
17	4/19/2020	72	259
18	4/26/2020	30	289
19	5/3/2020	24	313
20	5/10/2020	24	337
21	5/17/2020	14	351
22	5/24/2020	18	369
23	5/31/2020	55	424
24	6/7/2020	16	440
25	6/14/2020	35	475
26	6/21/2020	62	537
27	6/28/2020	45	582
28	7/5/2020	166	748
29	7/12/2020	180	928
30	7/19/2020	254	1182
31	7/26/2020	310	1492
32	8/2/2020	327	1819
33	8/9/2020	328	2147
34	8/16/2020	320	2467
35	8/23/2020	408	2875
36	8/30/2020	434	3309
37	9/6/2020	385	3694
38	9/13/2020	495	4189
39	9/20/2020	439	4628
40	9/27/2020	351	4979
41	10/4/2020	307	5286
42	10/11/2020	341	5627
43	10/18/2020	366	5993
44	10/25/2020	665	6658
45	11/1/2020	1019	7677
46	11/8/2020	1629	9306
47	11/15/2020	1373	10679
48	11/22/2020	1328	12007
49	11/29/2020	1284	13291
50	12/6/2020	1074	14365
51	12/13/2020	1028	15393
52	12/20/2020	610	16003
53	12/27/2020	1069	17072
1	1/3/2021	1303	18375
2	1/10/2021	852	19227
3	1/17/2021	813	20040
4	1/24/2021	568	20608

Figure 1. Number of Confirmed and Probable Covid-19 Cases by Week, Jefferson County, Missouri

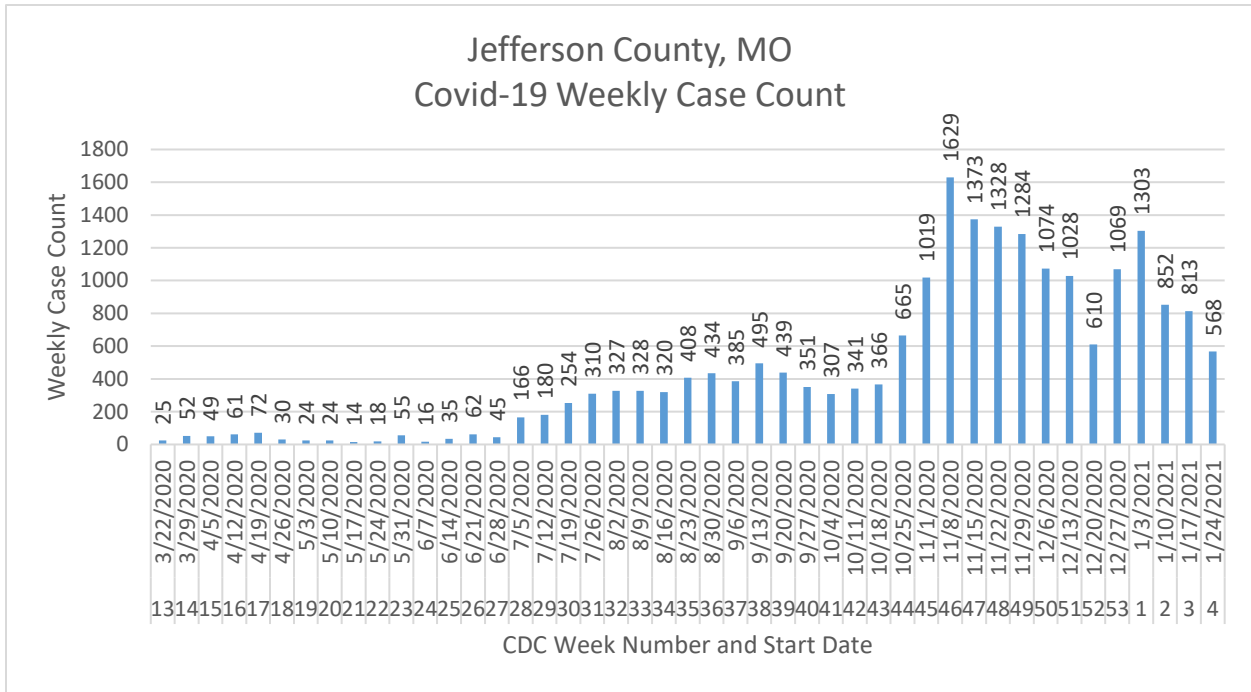


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week, Jefferson County, Missouri

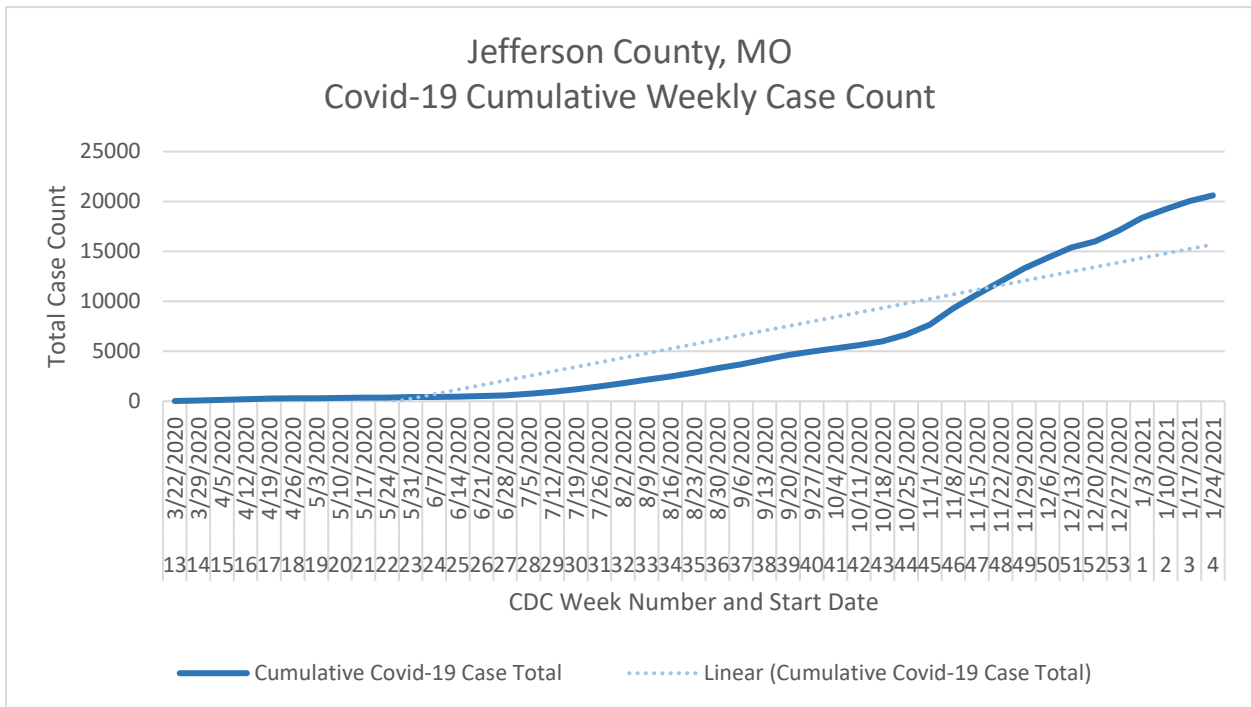


Figure 3. Covid-19 Daily Case Count and 7-Day Average, Jefferson County, Missouri

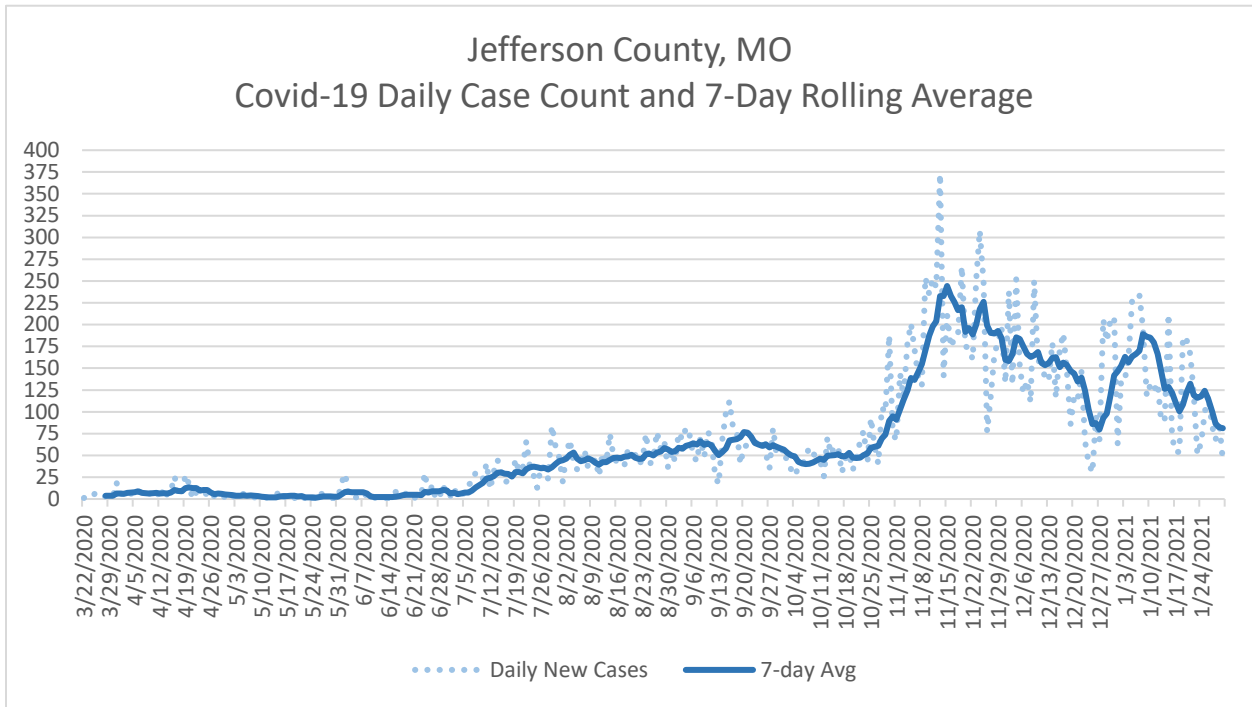


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates, Jefferson County, Missouri

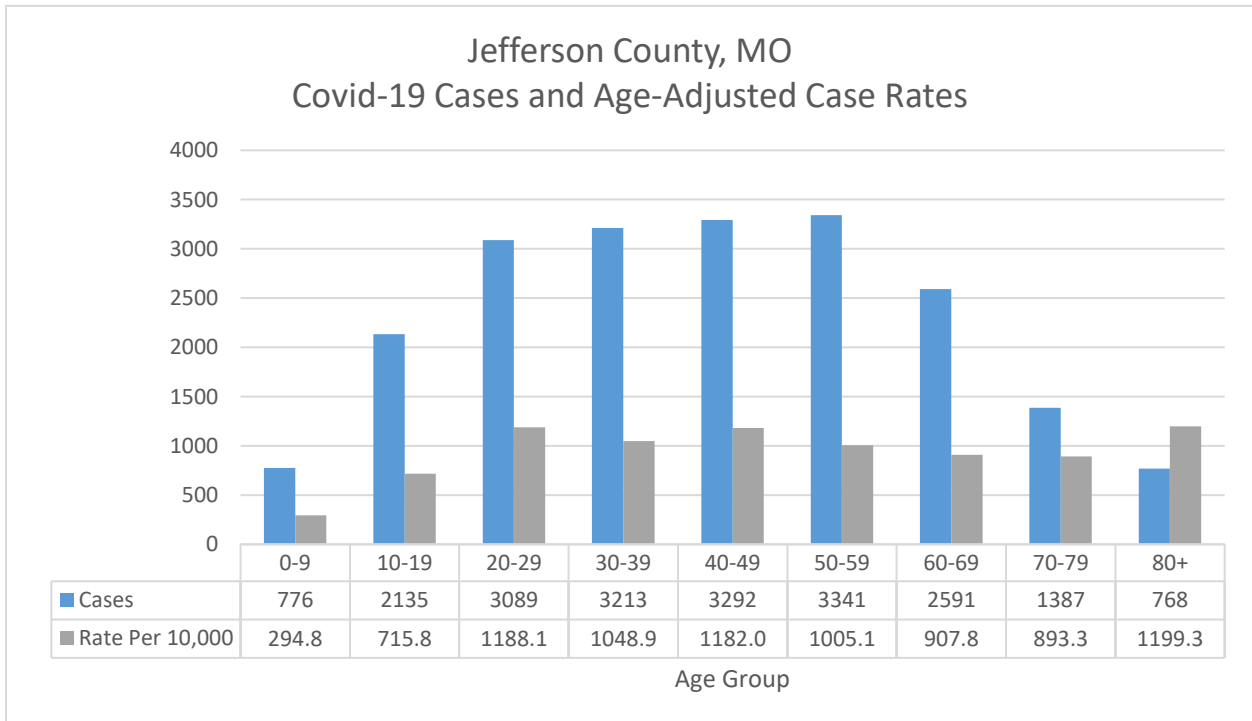


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group, Jefferson County, Missouri

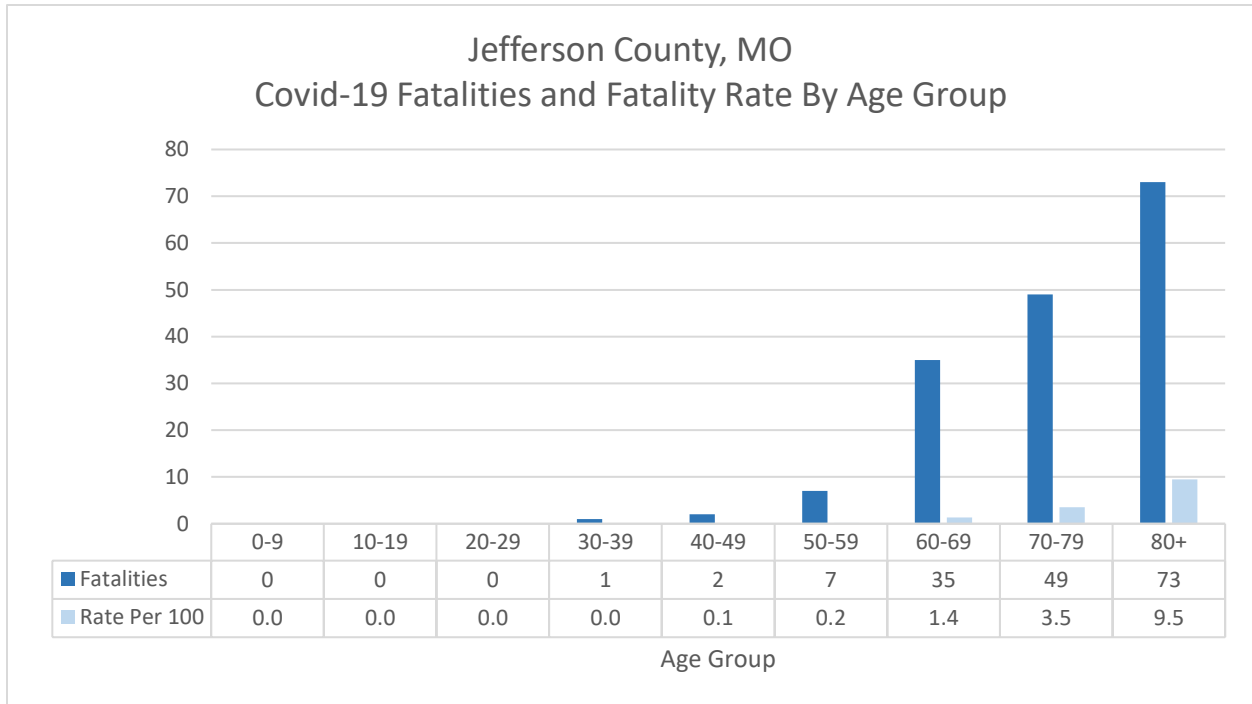


Table 2. Approximate Covid-19 Cumulative Fatality Rates

Jefferson County	0.81%
Missouri	1.47%
US	1.69%

Figure 6. Covid-19 Cases by Sex, Jefferson County, Missouri

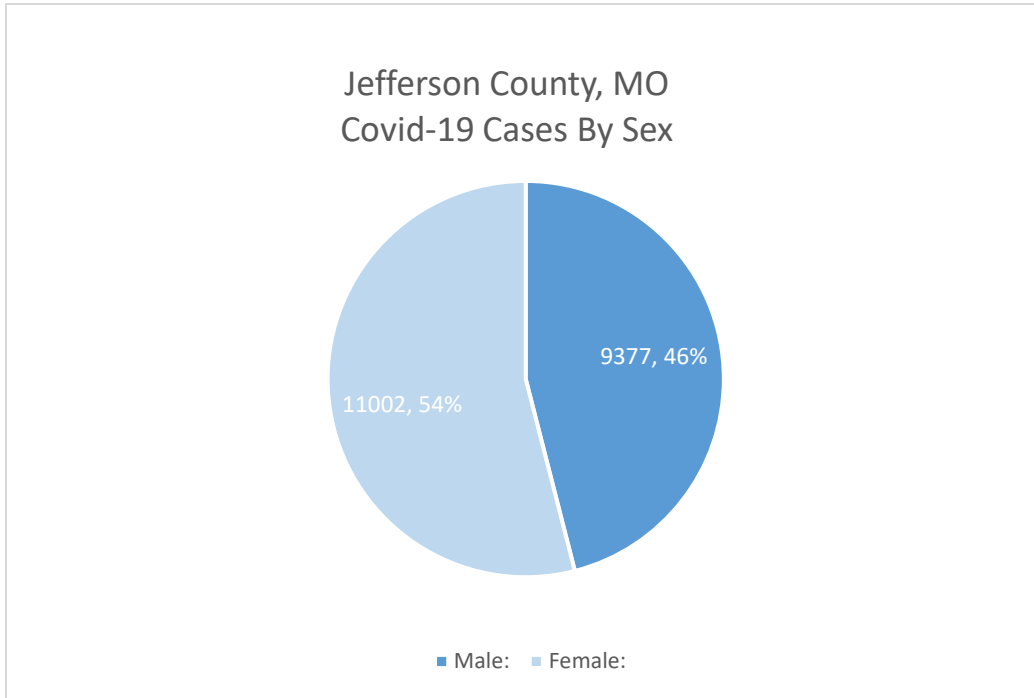


Figure 7. Covid-19 PCR Test Results by Week, Jefferson County, Missouri

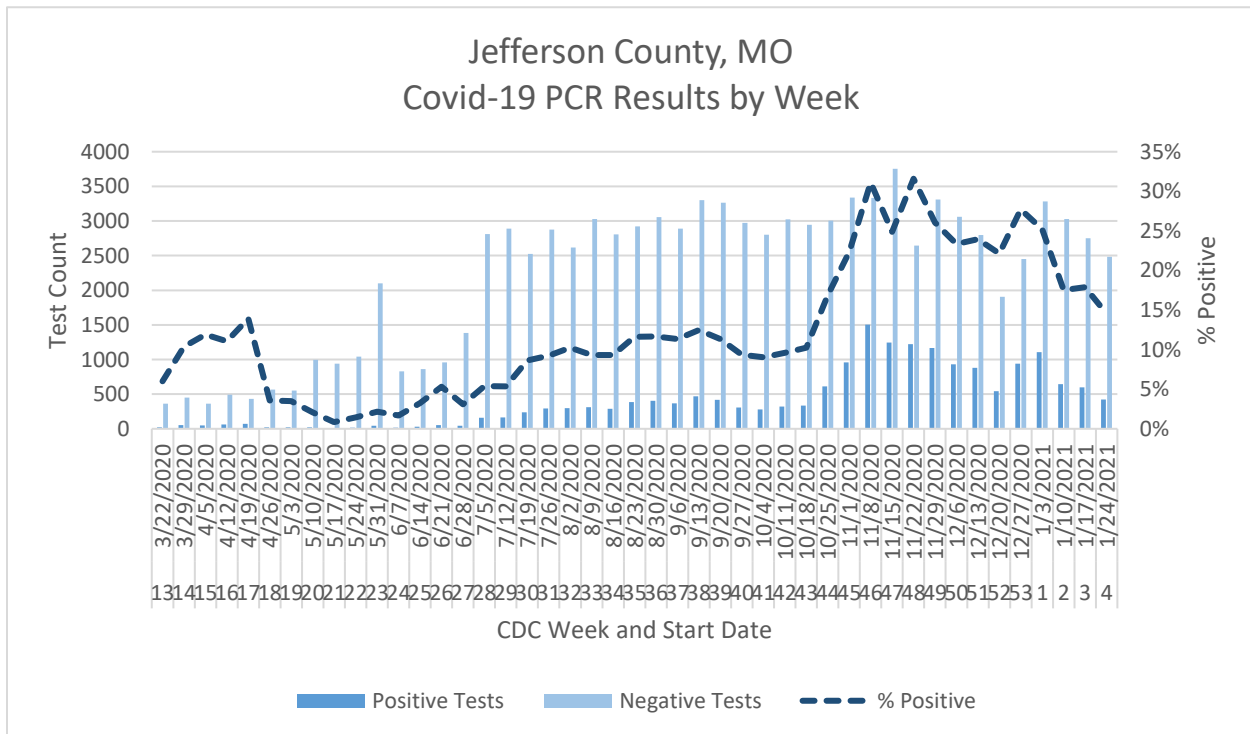


Table 3. Covid-19 PCR Test Results and Percent Positive
by Week, Jefferson County, Missouri

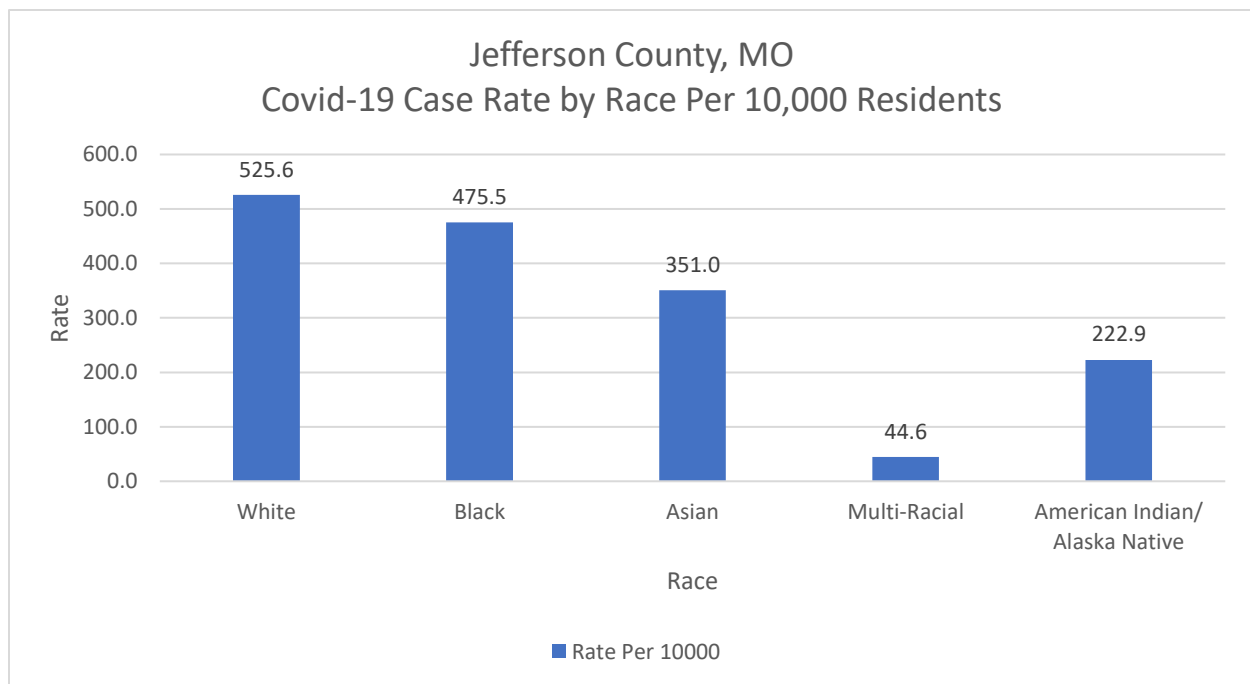
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
15	4/5/2020	49	363	412	11.9%
16	4/12/2020	61	490	551	11.1%
17	4/19/2020	70	433	503	13.9%
18	4/26/2020	21	566	587	3.6%
19	5/3/2020	20	553	573	3.5%
20	5/10/2020	21	997	1018	2.1%
21	5/17/2020	8	938	946	0.8%
22	5/24/2020	15	1040	1055	1.4%
23	5/31/2020	46	2099	2145	2.1%
24	6/7/2020	14	829	843	1.7%
25	6/14/2020	29	862	891	3.3%
26	6/21/2020	54	959	1013	5.3%
27	6/28/2020	44	1385	1429	3.1%
28	7/5/2020	160	2811	2971	5.4%
29	7/12/2020	163	2891	3054	5.3%
30	7/19/2020	238	2525	2763	8.6%
31	7/26/2020	293	2878	3171	9.2%
32	8/2/2020	299	2615	2914	10.3%
33	8/9/2020	312	3030	3342	9.3%
34	8/16/2020	288	2807	3095	9.3%
35	8/23/2020	385	2923	3308	11.6%
36	8/30/2020	404	3057	3461	11.7%
37	9/6/2020	369	2889	3258	11.3%
38	9/13/2020	470	3302	3772	12.5%
39	9/20/2020	418	3266	3684	11.3%
40	9/27/2020	307	2972	3279	9.4%
41	10/4/2020	278	2800	3078	9.0%
42	10/11/2020	321	3022	3343	9.6%
43	10/18/2020	336	2946	3282	10.2%
44	10/25/2020	610	3005	3615	16.9%
45	11/1/2020	960	3340	4300	22.3%
46	11/8/2020	1506	3334	4840	31.1%
47	11/15/2020	1244	3754	4998	24.9%
48	11/22/2020	1221	2644	3865	31.6%
49	11/29/2020	1166	3309	4475	26.1%
50	12/6/2020	933	3062	3995	23.4%
51	12/13/2020	881	2798	3679	23.9%
52	12/20/2020	541	1905	2446	22.1%
53	12/27/2020	941	2453	3394	27.7%
1	1/3/2021	1107	3283	4390	25.2%
2	1/10/2021	644	3030	3674	17.5%
3	1/17/2021	599	2750	3349	17.9%
4	1/24/2021	422	2482	2904	14.5%

Table 4. Covid-19 Cases and Rate Per 10,000 by Race, Jefferson County, Missouri*

Race	Cases	Rate Per 10000
White	11332	525.6
Black	128	475.5
Asian	63	351.0
Multi-Racial	16	44.6
American Indian/ Alaska Native	15	222.9
Unknown	3248	N/A

*Rates calculated using data from the United States Census Bureau for Jefferson County, Missouri (2019)

Figure 8. Covid-19 Case Rate by Race Per 10,000 Residents, Jefferson County, Missouri*



*Case Rates calculated excluding unknown and missing race data.

Figure 9. Covid-19 Cases by Zip Code, Jefferson County, Missouri

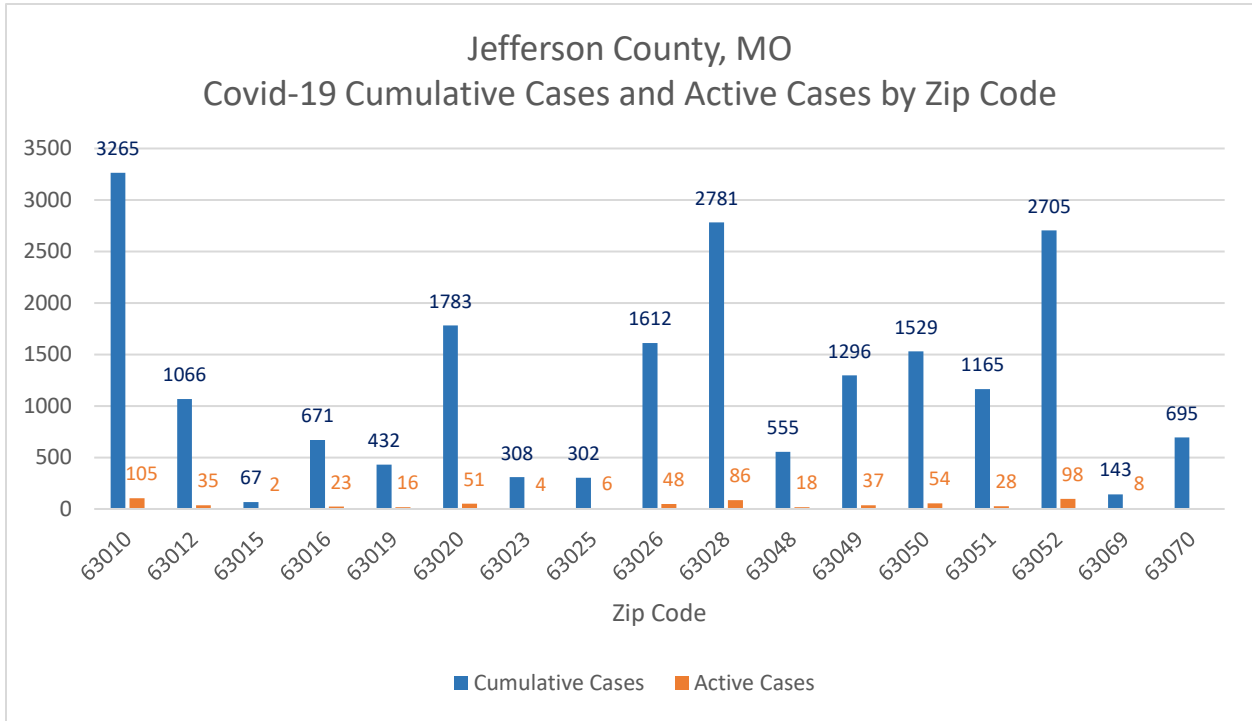
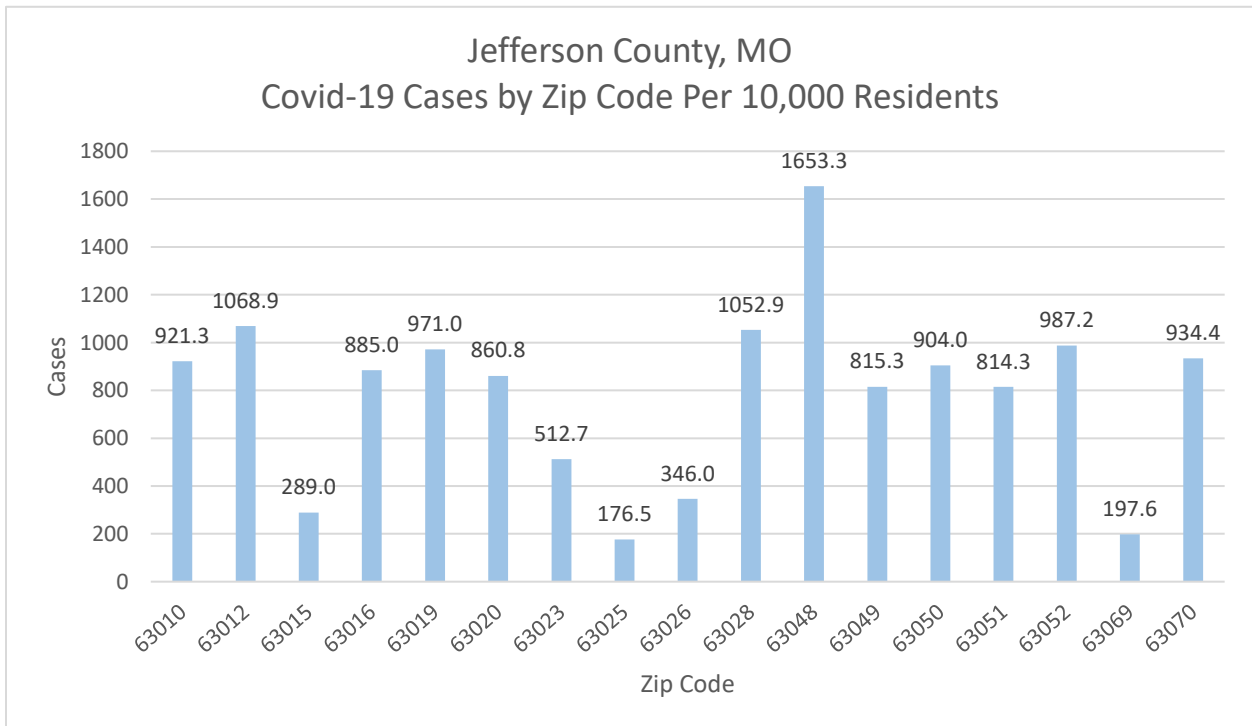


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County, Missouri





Champion positive health outcomes and behaviors through innovative programs and community engagement

Jefferson County, Missouri
Weekly Community Based Covid-19 Surveillance Report
Excludes Long Term Care Facility Cases

Week 4: January 24- January 30

All data are preliminary and may change as more reports are received.

SUMMARY:

-This is a revised version of the Week 4 Covid-19 report excluding cases associated with LTCFs (Long Term Care Facilities).

EPIDEMIOLOGIC DATA:Table 1. Number of Confirmed and Probable Covid-19 Cases
by Week (Excluding LTCFs), Jefferson County, Missouri

CDC Week	CDC Week Start Date	Covid-19 Cases	Cumulative Covid-19 Case Total
17	4/19/2020	24	167
18	4/26/2020	21	188
19	5/3/2020	15	203
20	5/10/2020	12	215
21	5/17/2020	10	225
22	5/24/2020	13	238
23	5/31/2020	29	267
24	6/7/2020	14	281
25	6/14/2020	33	314
26	6/21/2020	36	350
27	6/28/2020	44	394
28	7/5/2020	161	555
29	7/12/2020	176	731
30	7/19/2020	200	931
31	7/26/2020	259	1190
32	8/2/2020	306	1496
33	8/9/2020	287	1783
34	8/16/2020	290	2073
35	8/23/2020	350	2423
36	8/30/2020	407	2830
37	9/6/2020	356	3186
38	9/13/2020	473	3659
39	9/20/2020	411	4070
40	9/27/2020	331	4401
41	10/4/2020	285	4686
42	10/11/2020	322	5008
43	10/18/2020	351	5359
44	10/25/2020	636	5995
45	11/1/2020	985	6980
46	11/8/2020	1567	8547
47	11/15/2020	1329	9876
48	11/22/2020	1271	11147
49	11/29/2020	1215	12362
50	12/6/2020	1004	13366
51	12/13/2020	987	14353
52	12/20/2020	596	14949
53	12/27/2020	1035	15984
1	1/3/2021	1233	17217
2	1/10/2021	818	18035
3	1/17/2021	752	18787
4	1/24/2021	554	19341

Figure 1. Number of Confirmed and Probable Covid-19 Cases by Week (Excluding LTCFs), Jefferson County, Missouri

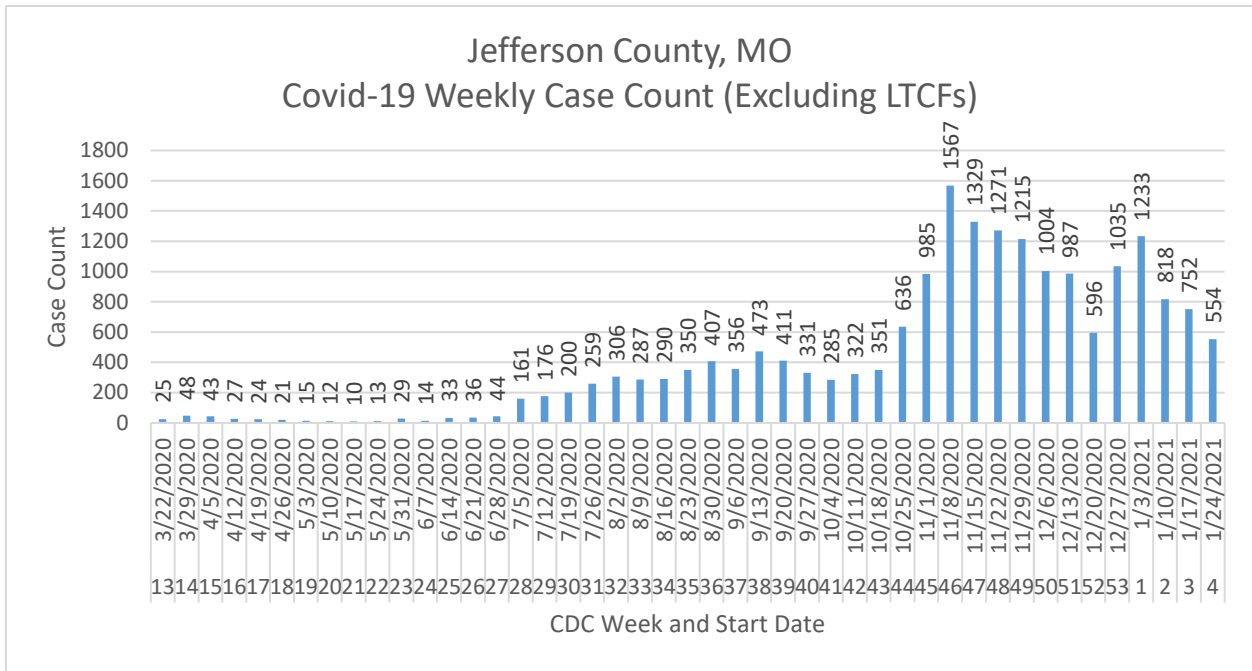


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week (Excluding LTCFs), Jefferson County, Missouri

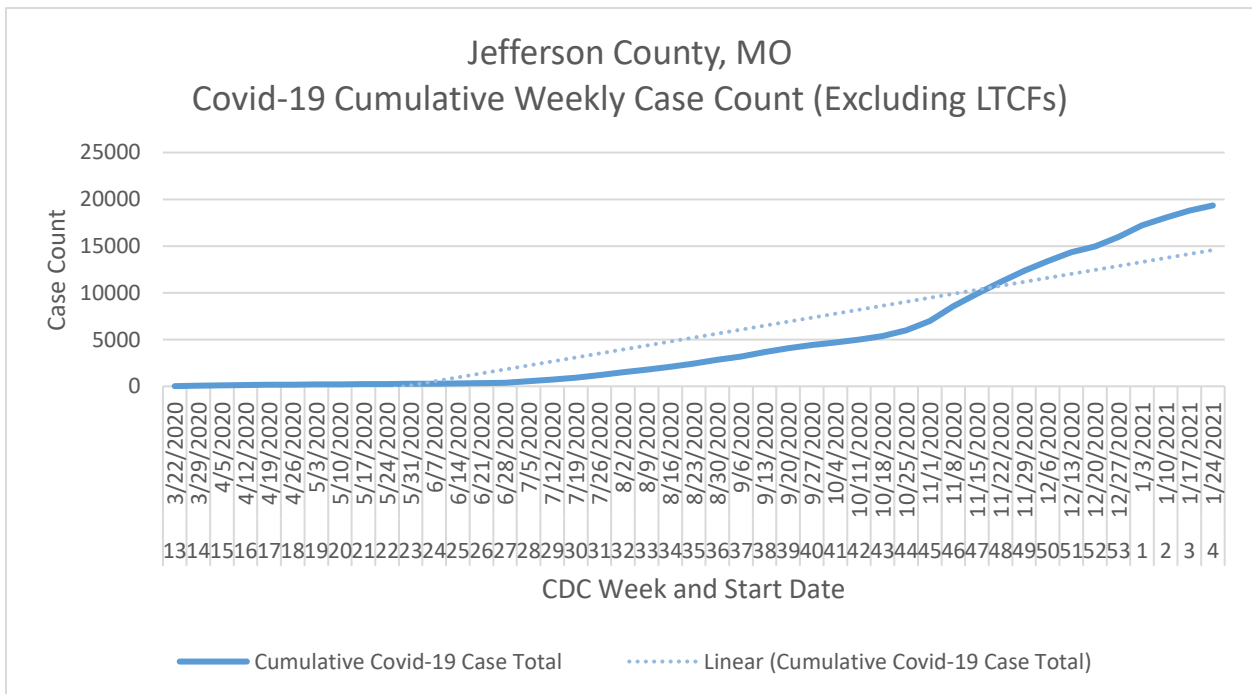


Figure 3. Covid-19 Daily Case Count and 7-Day Average (Excluding LTCFs), Jefferson County, Missouri

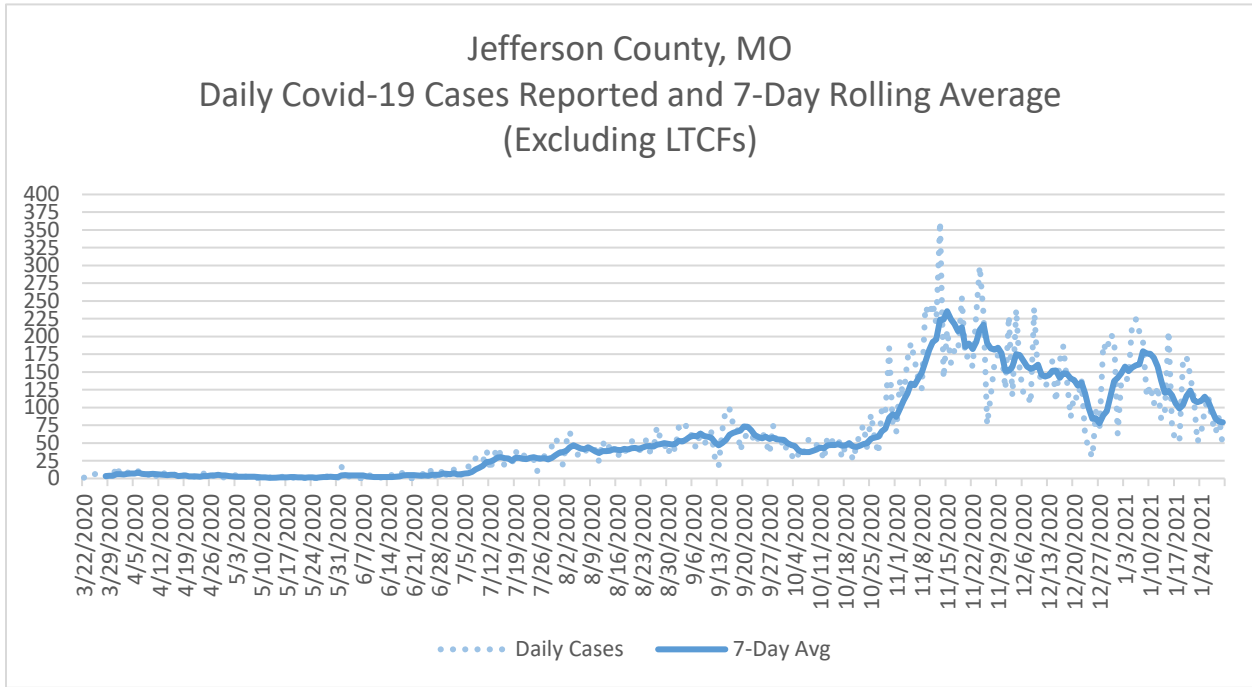


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates (Excluding LTCFs), Jefferson County, Missouri

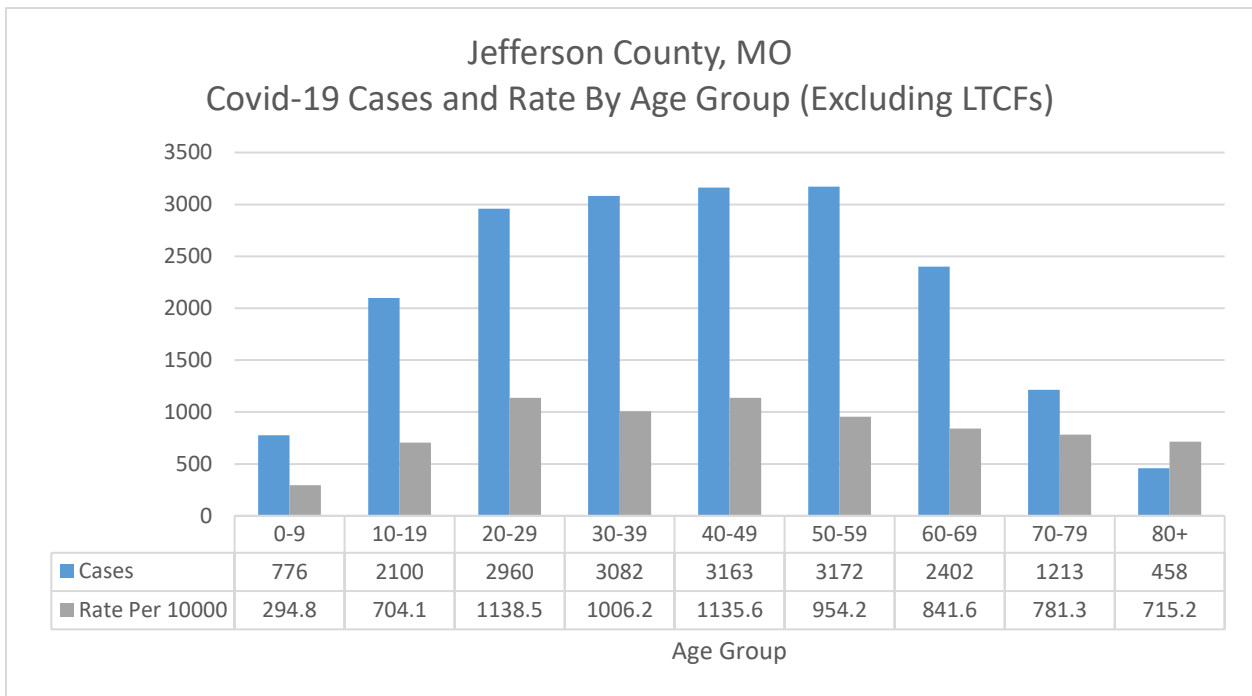


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group (Excluding LTCFs), Jefferson County, Missouri

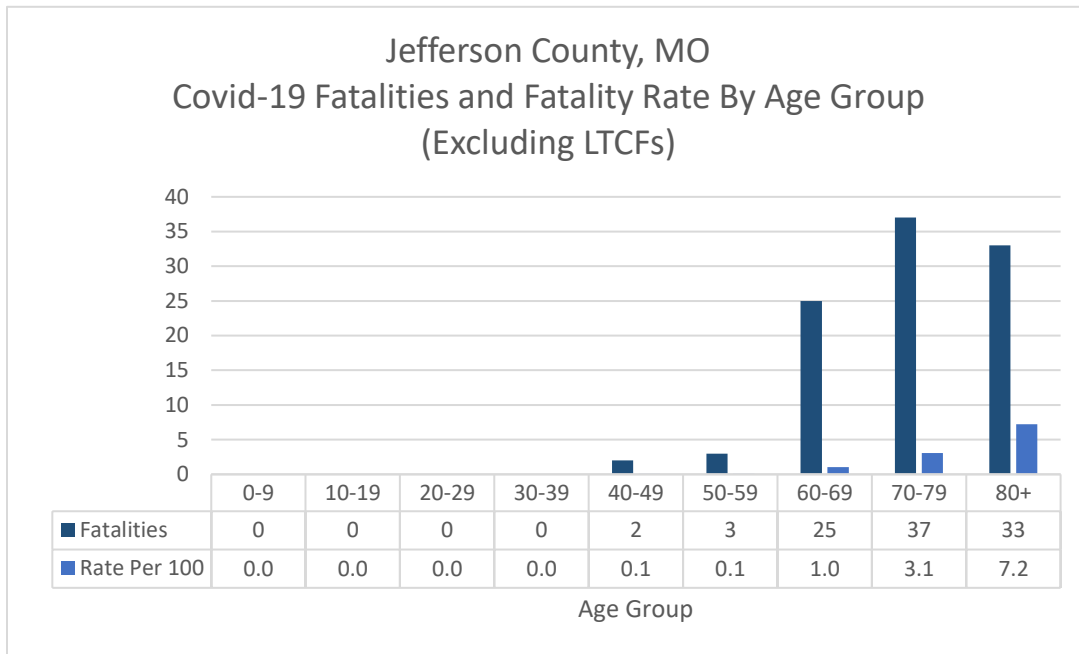


Table 2. Approximate Covid-19 Cumulative Fatality Rates (Excluding LTCFs)*

Jefferson County	.52%

*Missouri and United States data unavailable

Figure 6. Covid-19 Cases by Sex (Excluding LTCFs), Jefferson County, Missouri

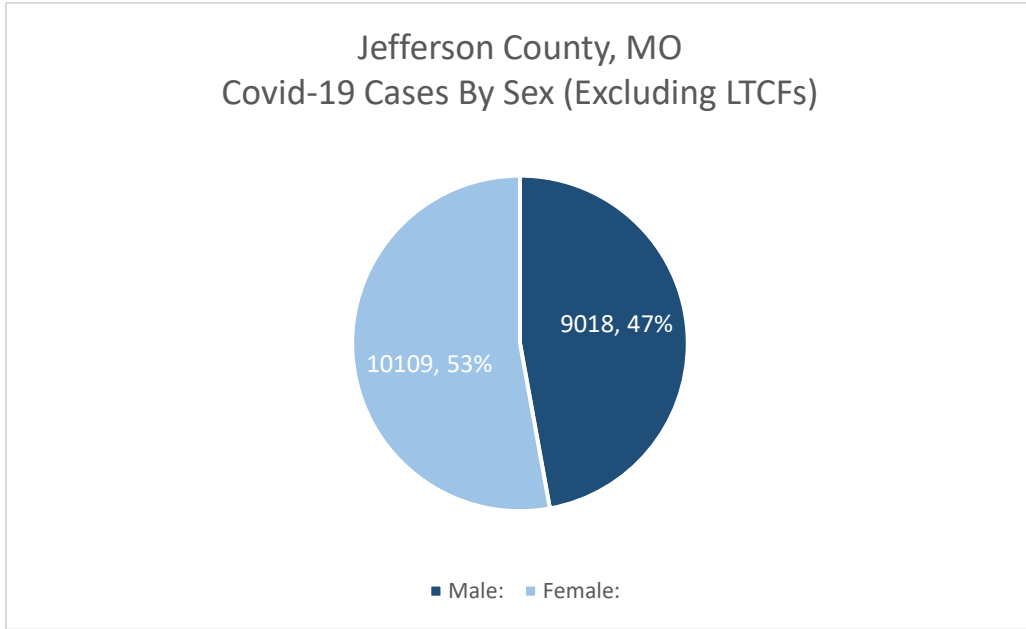


Figure 7. Covid-19 PCR Test Results by Week (Excluding LTCFs), Jefferson County, Missouri

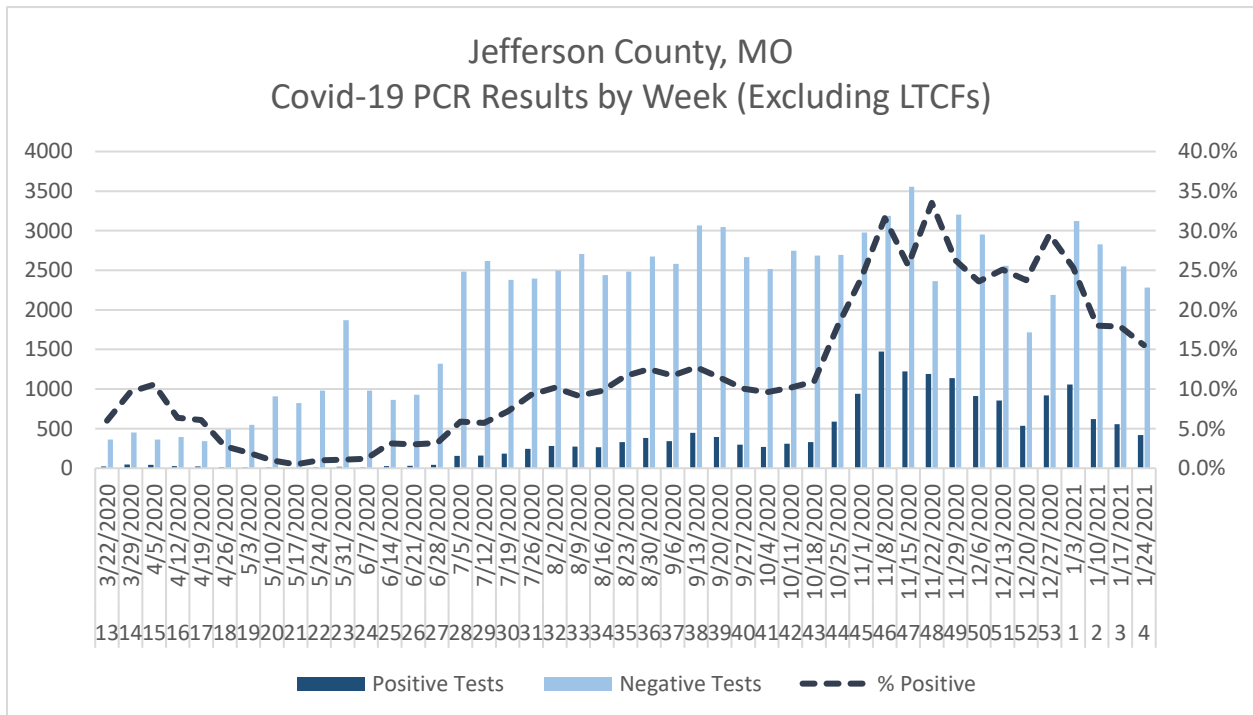


Table 3. Covid-19 PCR Test Results and Percent Positive by Week, Jefferson County (Excluding LTCFs), Missouri

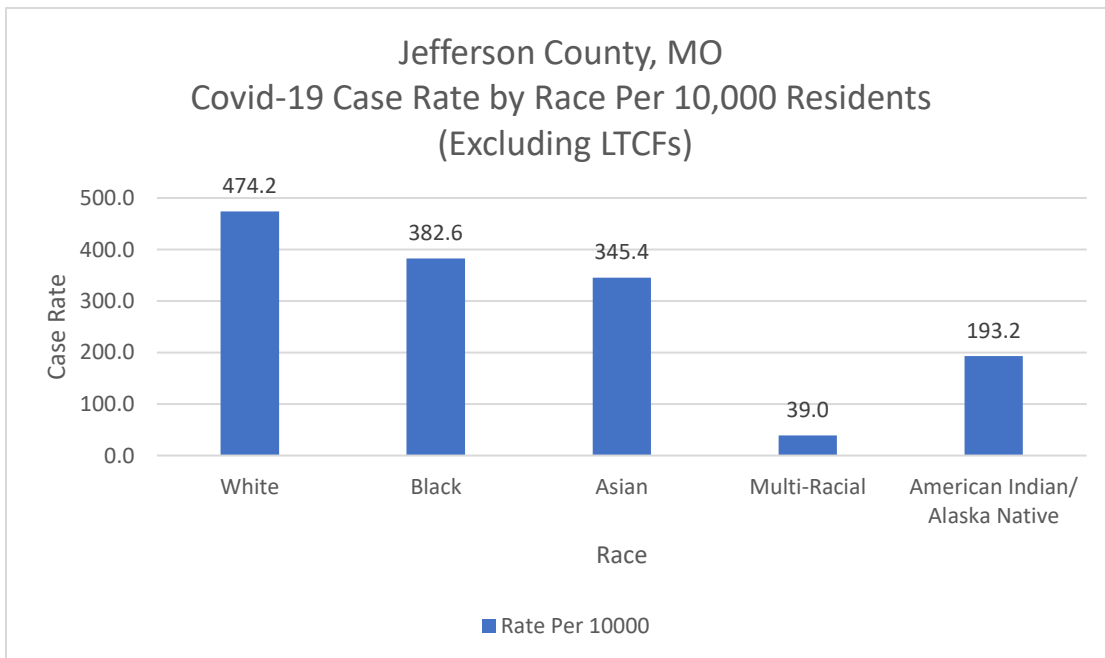
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
15	4/5/2020	43	363	406	10.6%
16	4/12/2020	27	396	423	6.4%
17	4/19/2020	22	340	362	6.1%
18	4/26/2020	14	493	507	2.8%
19	5/3/2020	11	549	560	2.0%
20	5/10/2020	9	907	916	1.0%
21	5/17/2020	4	823	827	0.5%
22	5/24/2020	10	981	991	1.0%
23	5/31/2020	20	1870	1890	1.1%
24	6/7/2020	12	981	993	1.2%
25	6/14/2020	28	862	890	3.1%
26	6/21/2020	29	928	957	3.0%
27	6/28/2020	43	1320	1363	3.2%
28	7/5/2020	155	2482	2637	5.9%
29	7/12/2020	159	2619	2778	5.7%
30	7/19/2020	184	2379	2563	7.2%
31	7/26/2020	245	2396	2641	9.3%
32	8/2/2020	282	2497	2779	10.1%
33	8/9/2020	273	2707	2980	9.2%
34	8/16/2020	264	2440	2704	9.8%
35	8/23/2020	328	2482	2810	11.7%
36	8/30/2020	382	2672	3054	12.5%
37	9/6/2020	342	2582	2924	11.7%
38	9/13/2020	448	3066	3514	12.7%
39	9/20/2020	394	3046	3440	11.5%
40	9/27/2020	298	2664	2962	10.1%
41	10/4/2020	268	2518	2786	9.6%
42	10/11/2020	311	2745	3056	10.2%
43	10/18/2020	330	2687	3017	10.9%
44	10/25/2020	590	2695	3285	18.0%
45	11/1/2020	938	2976	3914	24.0%
46	11/8/2020	1473	3188	4661	31.6%
47	11/15/2020	1224	3557	4781	25.6%
48	11/22/2020	1192	2364	3556	33.5%
49	11/29/2020	1140	3203	4343	26.2%
50	12/6/2020	911	2954	3865	23.6%
51	12/13/2020	856	2555	3411	25.1%
52	12/20/2020	535	1717	2252	23.8%
53	12/27/2020	918	2189	3107	29.5%
1	1/3/2021	1059	3124	4183	25.3%
2	1/10/2021	622	2829	3451	18.0%
3	1/17/2021	555	2550	3105	17.9%
4	1/24/2021	420	2282	2702	15.5%

Table 4. Covid-19 Cases and Rate Per 10,000 by Race, Jefferson County (Excluding LTCFs), Missouri*

Race	Cases	Rate Per 10000
White	10224	474.2
Black	103	382.6
Asian	62	345.4
Multi-Racial	14	39.0
American Indian/ Alaska Native	13	193.2
Unknown	3170	N/A

*Rates calculated using data from the United States Census Bureau for Jefferson County, Missouri (2019)

Figure 8. Covid-19 Case Rate by Race Per 10,000 Residents, Jefferson County (Excluding LTCFs), Missouri*



*Case Rates calculated excluding unknown and missing race data.

Figure 9. Covid-19 Cases by Zip Code, Jefferson County (Excluding LTCFs), Missouri

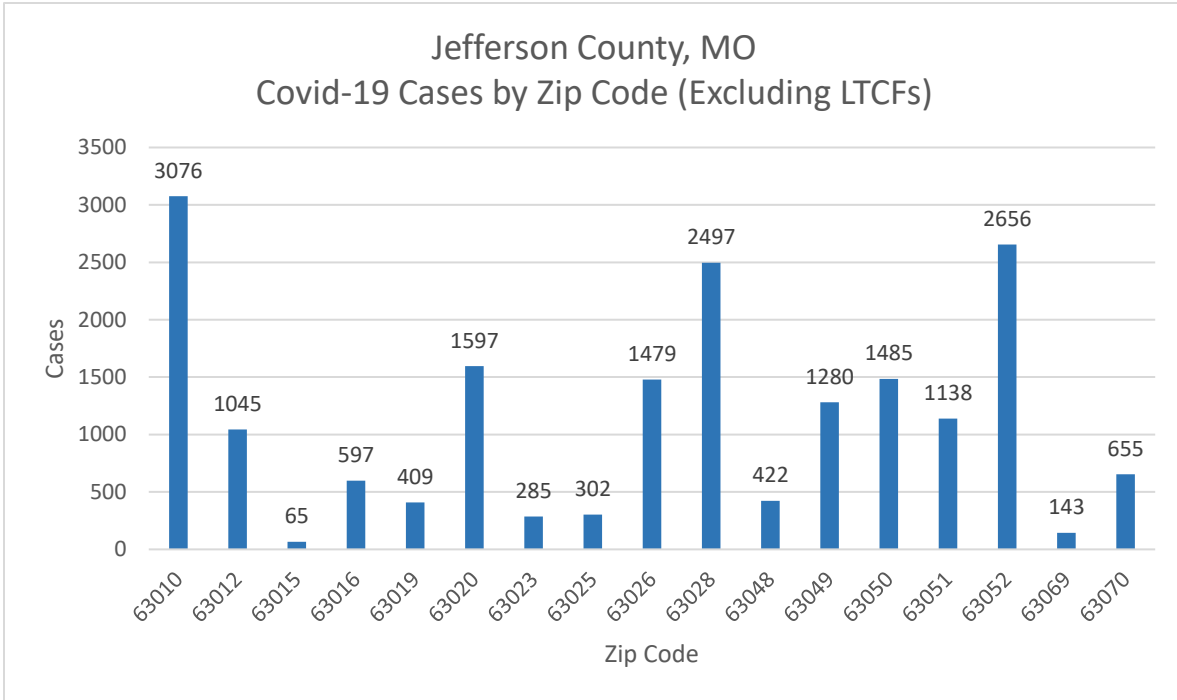
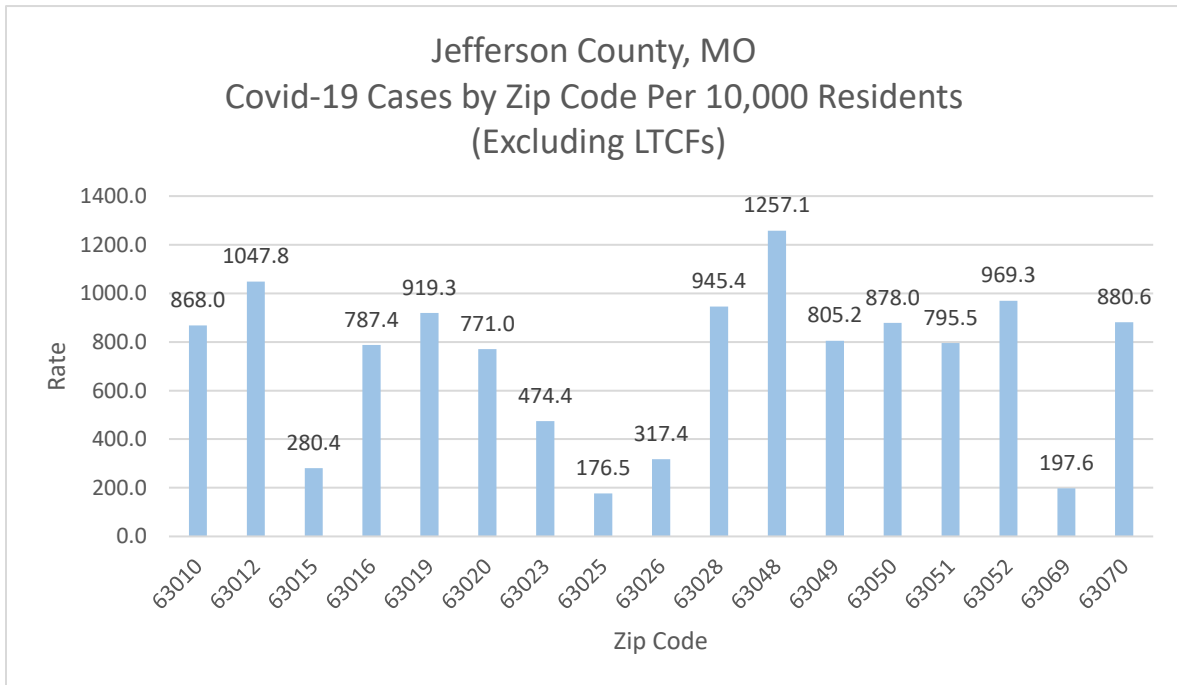


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County (Excluding LTCFs), Missouri





Champion positive health outcomes and behaviors through innovative programs and community engagement

Jefferson County, Missouri
Covid-19 Surveillance Report
School Aged Population

Week 4: January 24- January 30

All data are preliminary and may change as more reports are received.

SUMMARY:

- During Week 4 a total of 83 confirmed and probable Covid-19 cases were reported in Jefferson County for the 0-19 year age group. A cumulative total of 2911 confirmed and probable Covid-19 cases have been reported in 0-19 year age group in Jefferson County, Missouri.
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Table 1. Number of Confirmed and Probable Covid-19
Cases by Week, 0-19 Year Age Group,
Jefferson County, Missouri

CDC Week	CDC Week Start Date	Covid-19 Cases	Cumulative Covid-19 Case Total
18	4/26/2020	1	3
19	5/3/2020	0	3
20	5/10/2020	0	3
21	5/17/2020	0	3
22	5/24/2020	0	3
23	5/31/2020	1	4
24	6/7/2020	1	5
25	6/14/2020	5	10
26	6/21/2020	3	13
27	6/28/2020	5	18
28	7/5/2020	25	43
29	7/12/2020	22	65
30	7/19/2020	31	96
31	7/26/2020	37	133
32	8/2/2020	35	168
33	8/9/2020	38	206
34	8/16/2020	48	254
35	8/23/2020	59	313
36	8/30/2020	65	378
37	9/6/2020	61	439
38	9/13/2020	92	531
39	9/20/2020	68	599
40	9/27/2020	52	651
41	10/4/2020	32	683
42	10/11/2020	41	724
43	10/18/2020	46	770
44	10/25/2020	96	866
45	11/1/2020	158	1024
46	11/8/2020	243	1267
47	11/15/2020	204	1471
48	11/22/2020	158	1629
49	11/29/2020	178	1807
50	12/6/2020	161	1968
51	12/13/2020	159	2127
52	12/20/2020	91	2218
53	12/27/2020	140	2358
1	1/3/2021	218	2576
2	1/10/2021	144	2720
3	1/17/2021	108	2828
4	1/24/2021	83	2911

Figure 1. Number of Confirmed and Probable Covid-19 Cases by Week, 0-19 Year Age Group, Jefferson County, Missouri

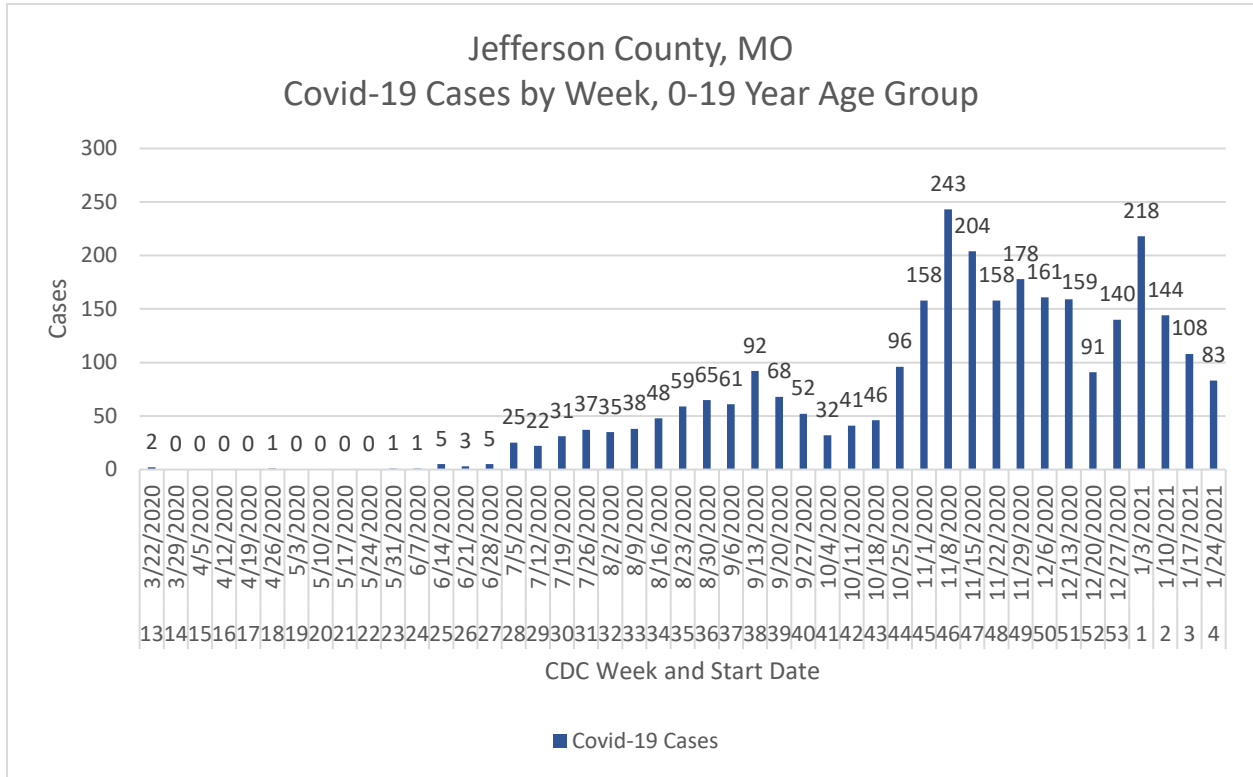


Table 2. Covid-19 Cases by Age Group, Jefferson County, Missouri

Age Group	Cases	Percent
0-9	776	3.77%
10-19	2135	10.36%
20+	17681	85.80%

Figure 2. Covid-19 Cases by Zip Code, 0-19 Year Age Group, Jefferson County, Missouri

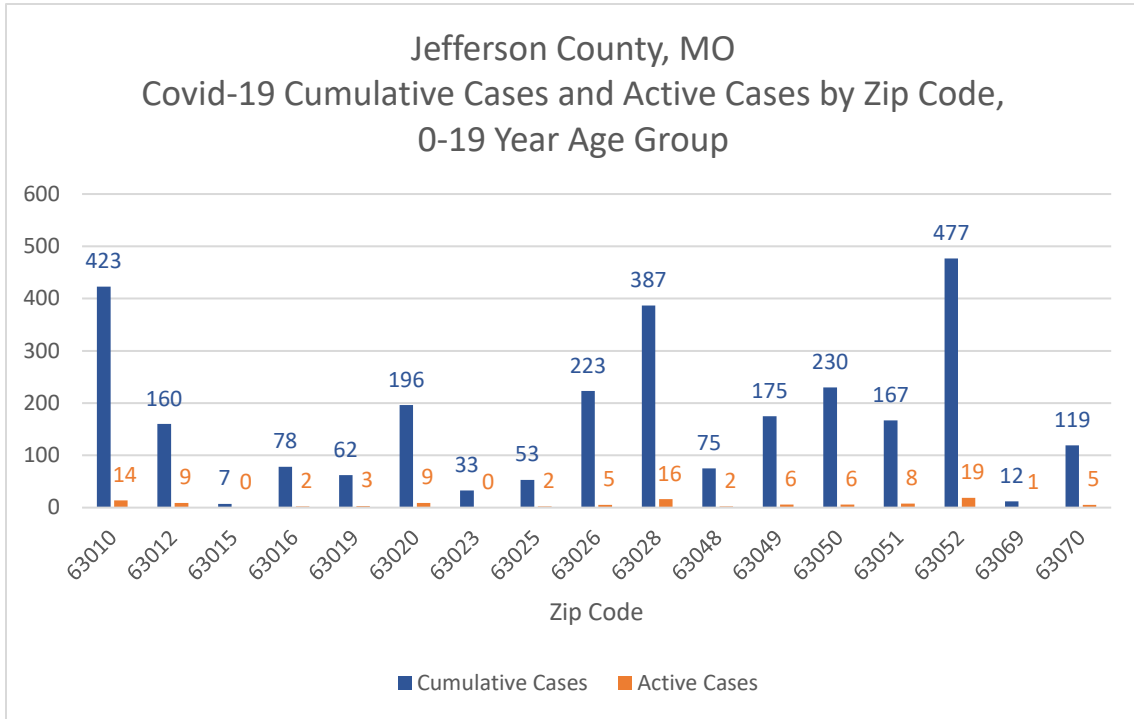


Figure 3. Covid-19 Cases by Age-Based Grade Levels, Jefferson County, Missouri

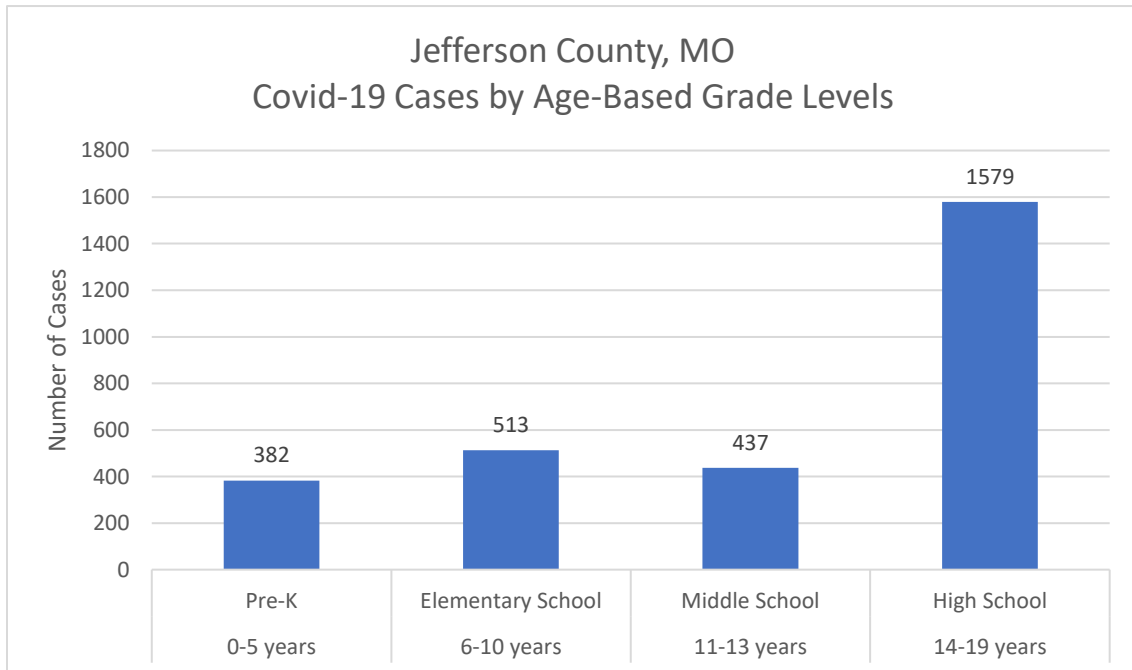


Figure 4. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Pre-K Age Group, Jefferson County, Missouri

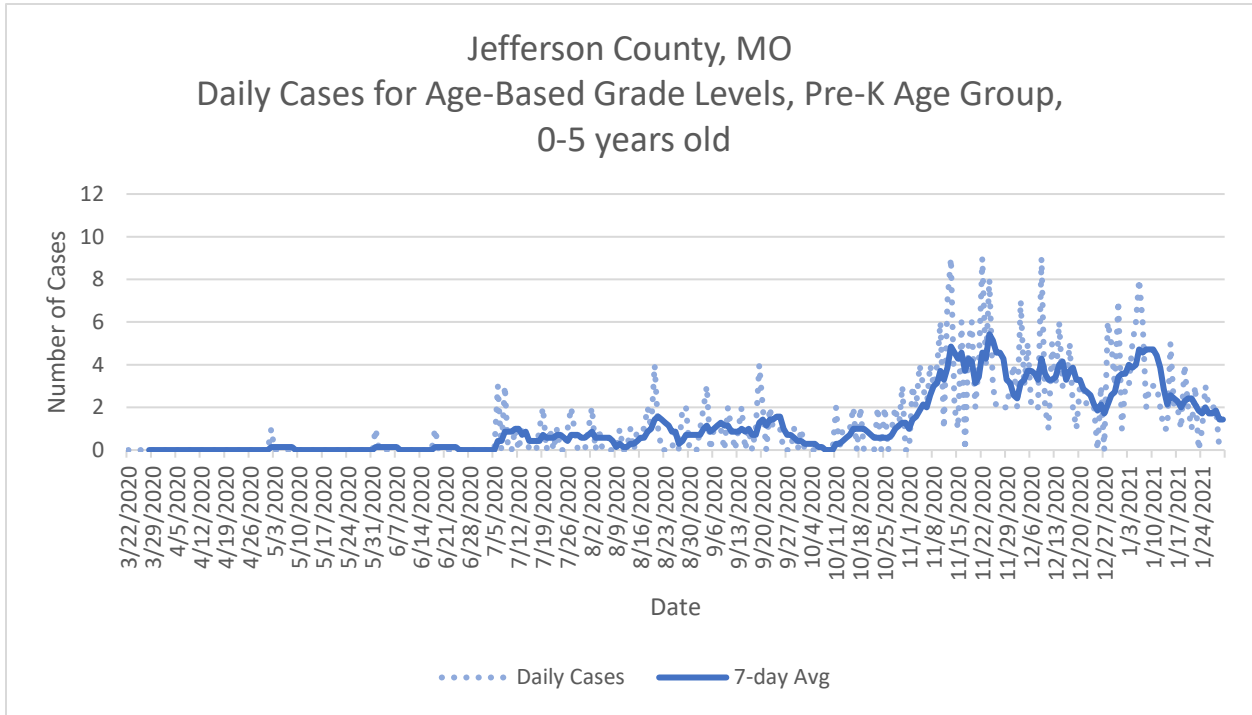


Figure 5. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Elementary School Age Group, Jefferson County, Missouri

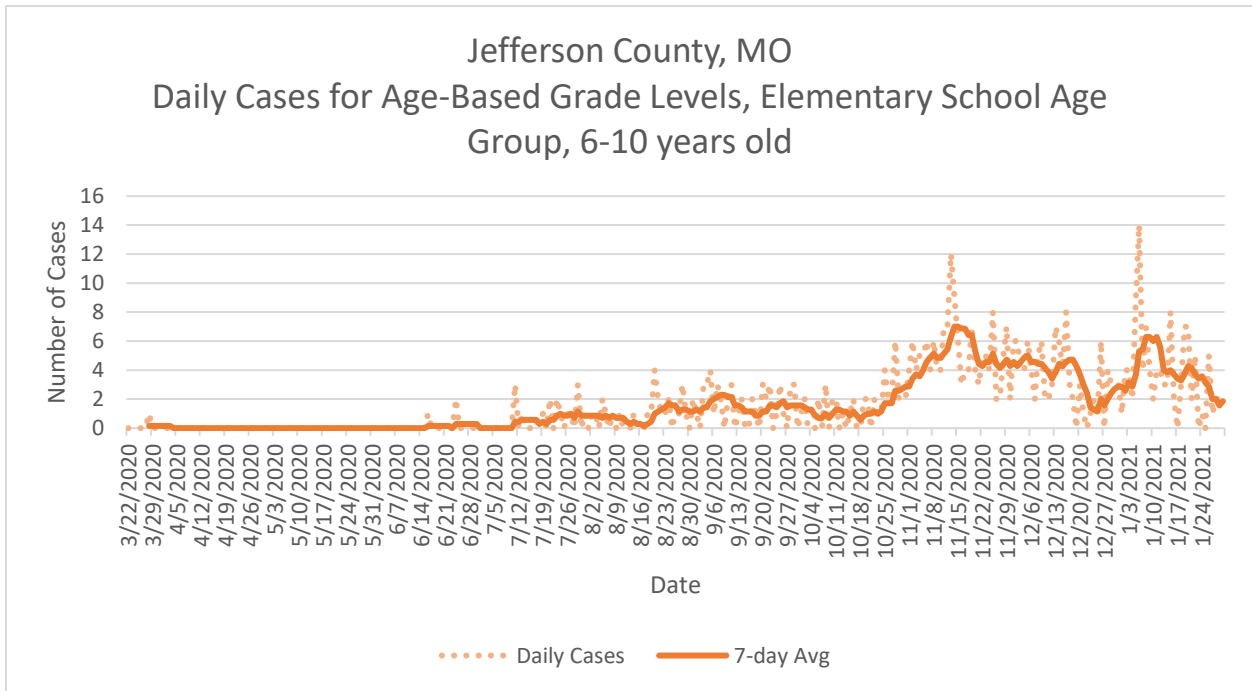


Figure 6. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Middle School Age Group, Jefferson County, Missouri

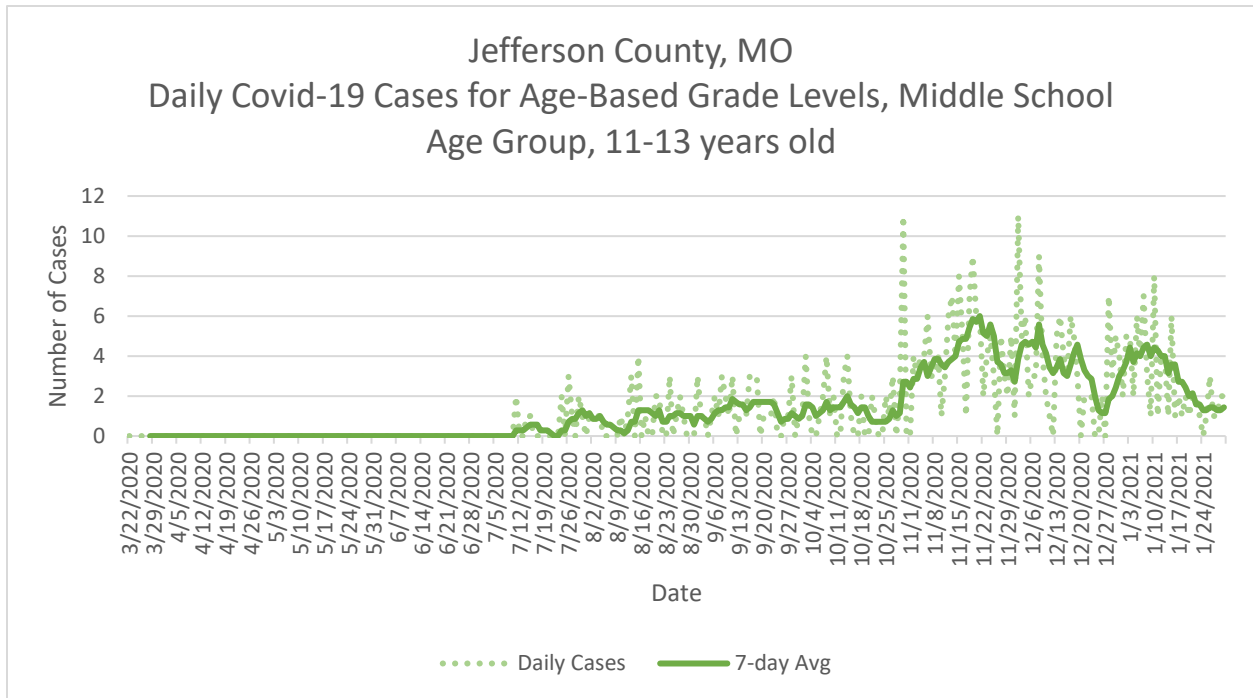


Figure 7. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, High School Age Group, Jefferson County, Missouri

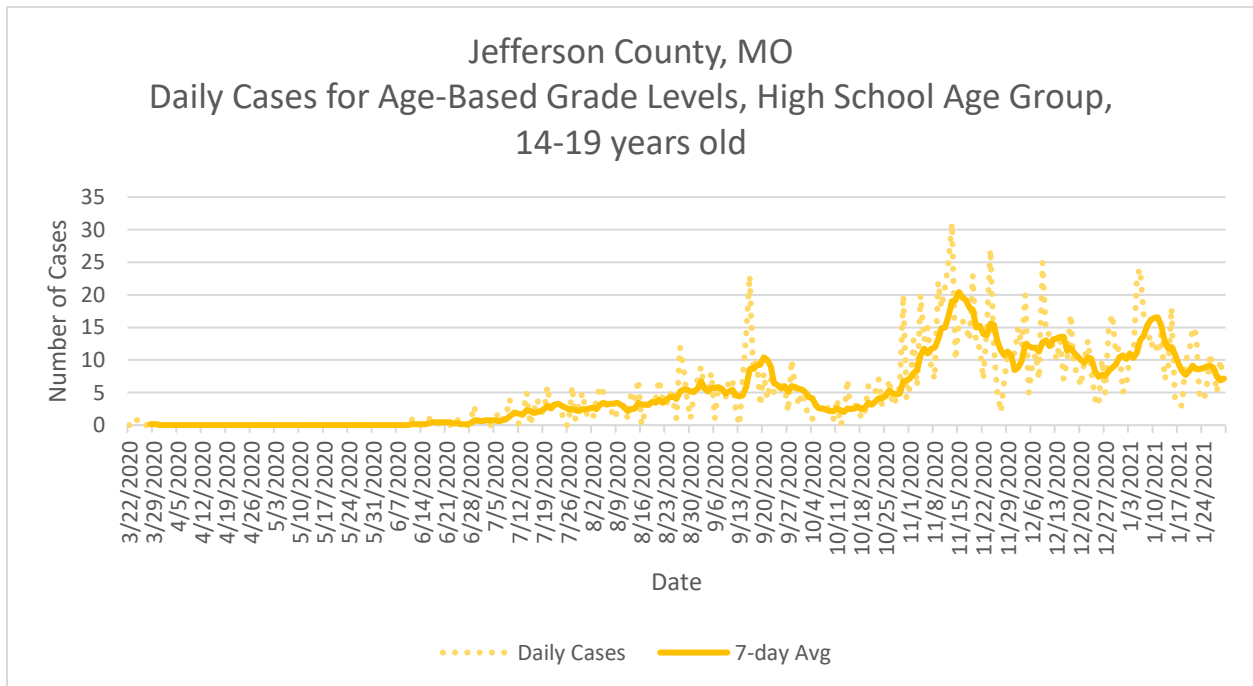


Figure 8. Overlay of 7-Day Rolling Average of Daily Covid-19 Cases for all Age-Based Grade Levels, Jefferson County, Missouri

