



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 2: January 10- January 16

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

SUMMARY:

- During Week 2 a total of 825 confirmed and probable Covid-19 cases were reported in Jefferson County. A year-to-date total of 19268 confirmed and probable Covid-19 cases have been reported in Jefferson County as of Week 2.
- One hundred fifty-three Covid-19 associated deaths have been reported in Jefferson County as of Week 2.
- 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
15	4/5/2020	49	126
16	4/12/2020	61	187
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	312	1494
32	8/2/2020	327	1821
33	8/9/2020	327	2148
34	8/16/2020	321	2469
35	8/23/2020	409	2878
36	8/30/2020	434	3312
37	9/6/2020	385	3697
38	9/13/2020	496	4193
39	9/20/2020	440	4633
40	9/27/2020	351	4984
41	10/4/2020	307	5291
42	10/11/2020	342	5633
43	10/18/2020	366	5999
44	10/25/2020	666	6665
45	11/1/2020	1023	7688
46	11/8/2020	1627	9315
47	11/15/2020	1373	10688
48	11/22/2020	1329	12017
49	11/29/2020	1290	13307
50	12/6/2020	1086	14393
51	12/13/2020	1042	15435
52	12/20/2020	616	16051
53	12/27/2020	1073	17124
1	1/3/2021	1319	18443
2	1/10/2021	825	19268

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

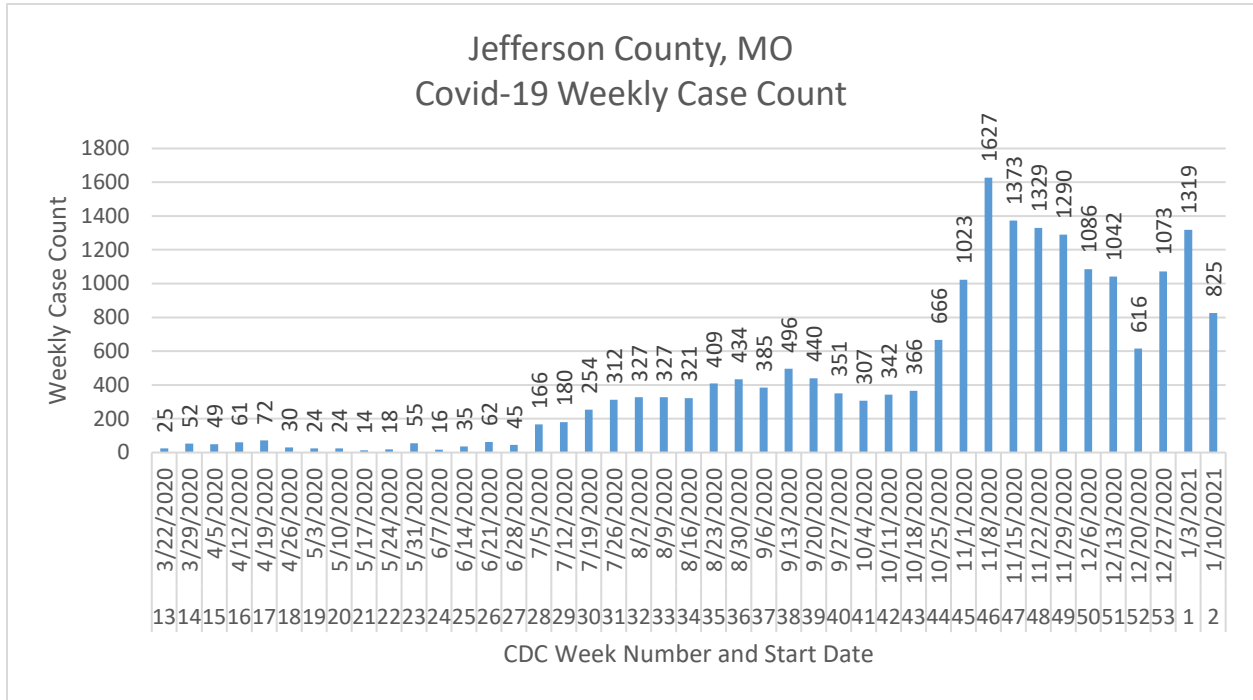


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week, Jefferson County, Missouri

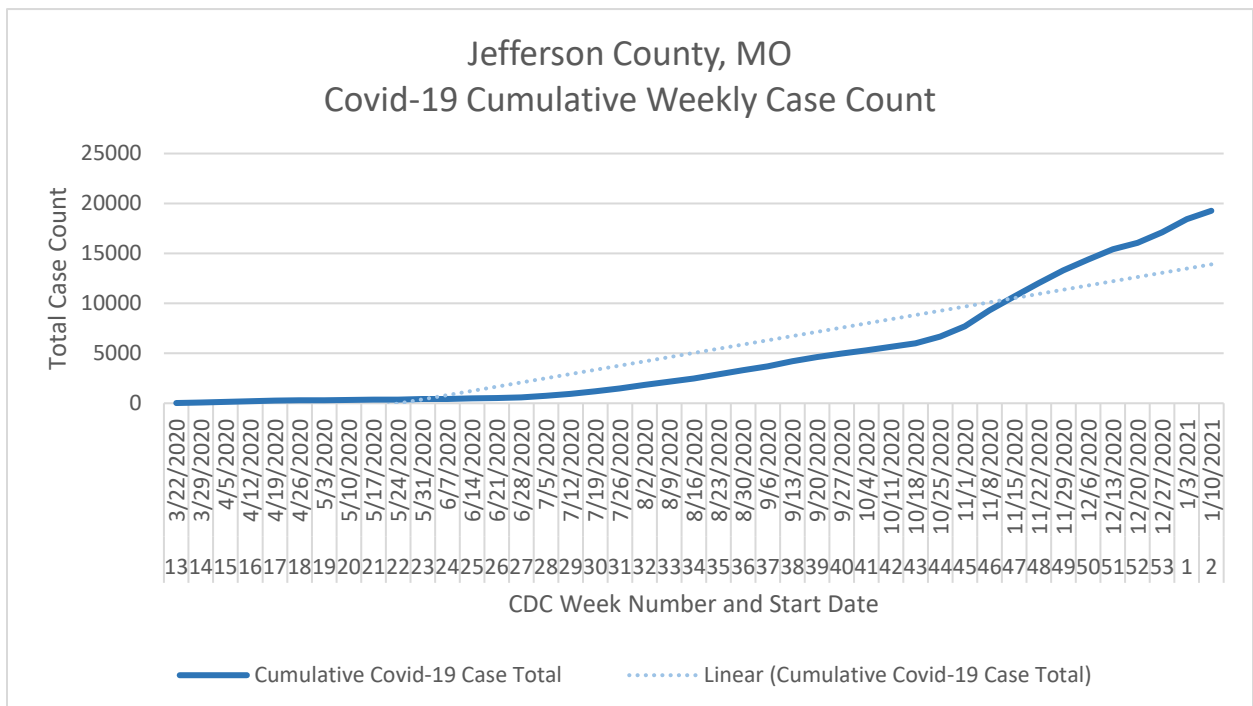


Figure 3. Covid-19 Daily Case Count and 7-Day Average, Jefferson County, Missouri

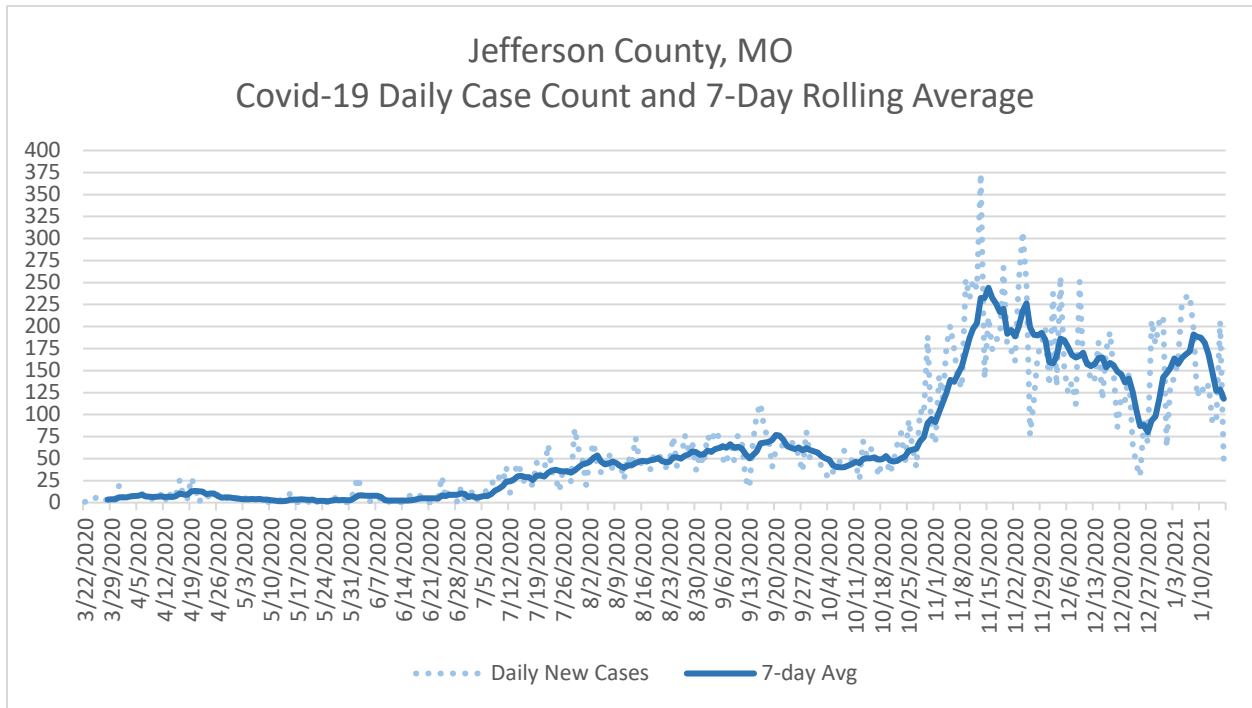


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates, Jefferson County, Missouri

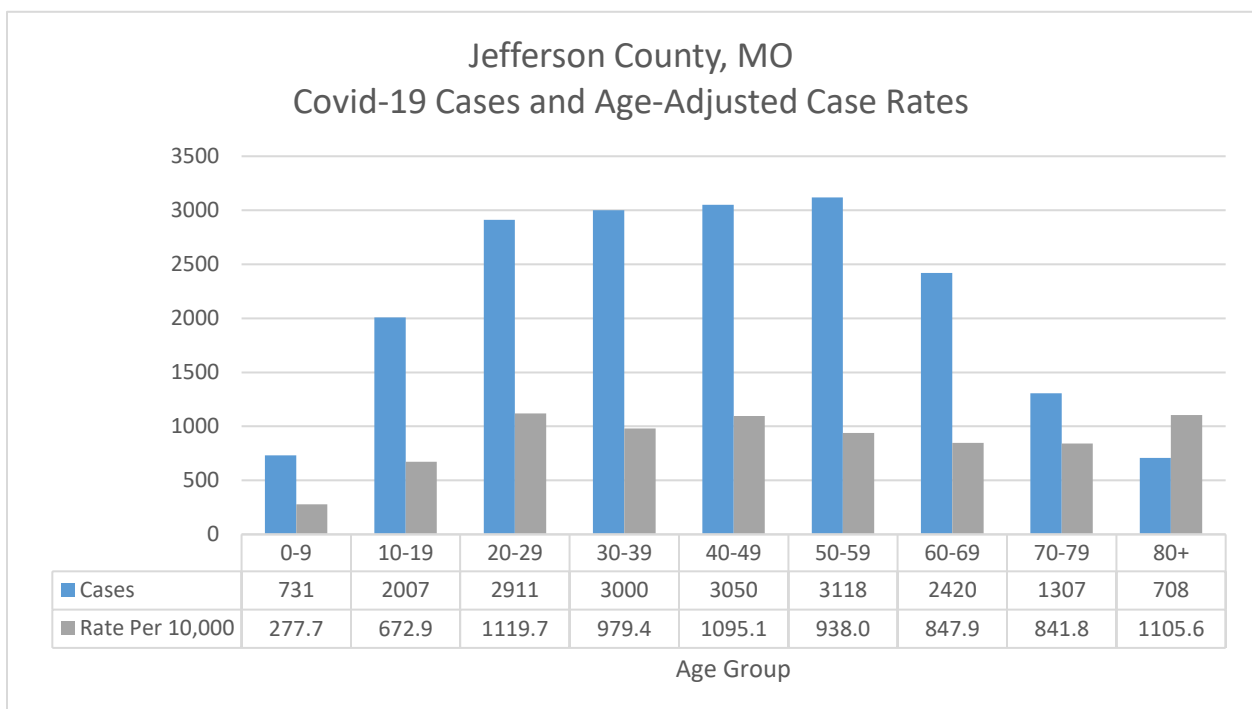


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group, Jefferson County, Missouri

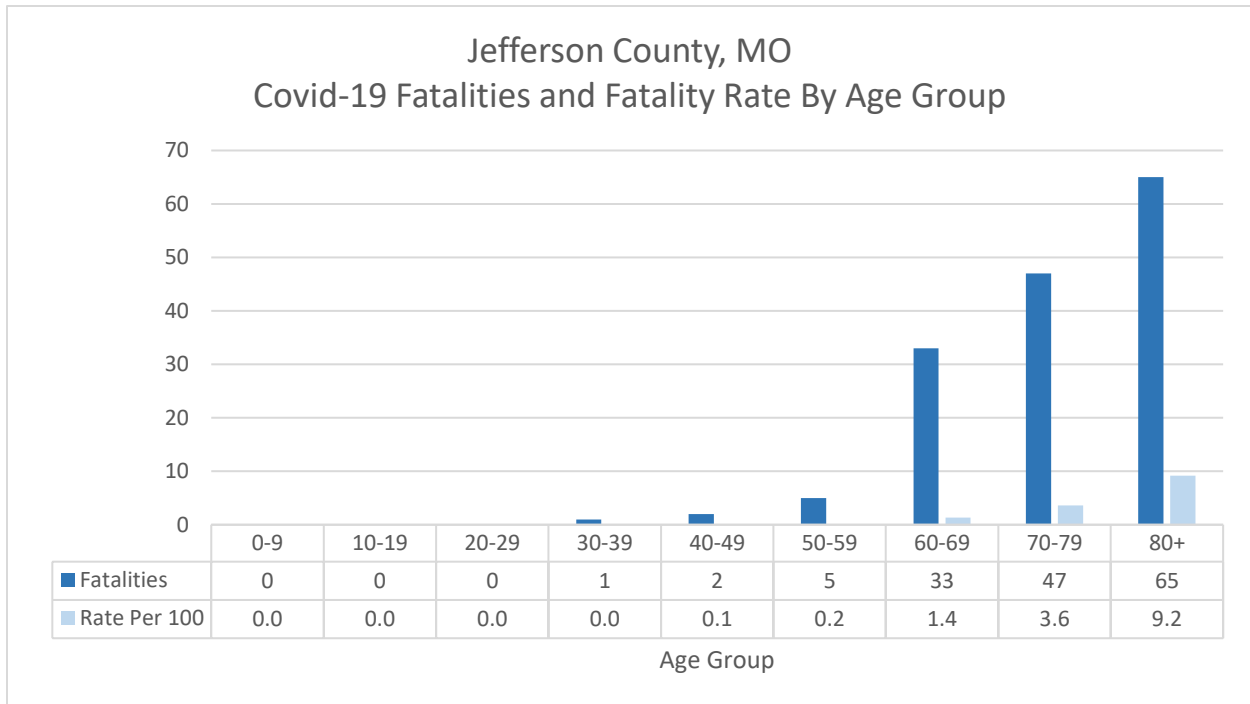


Table 2. Approximate Covid-19 Cumulative Fatality Rates

Jefferson County	0.79%
Missouri	1.42%
US	1.67%

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

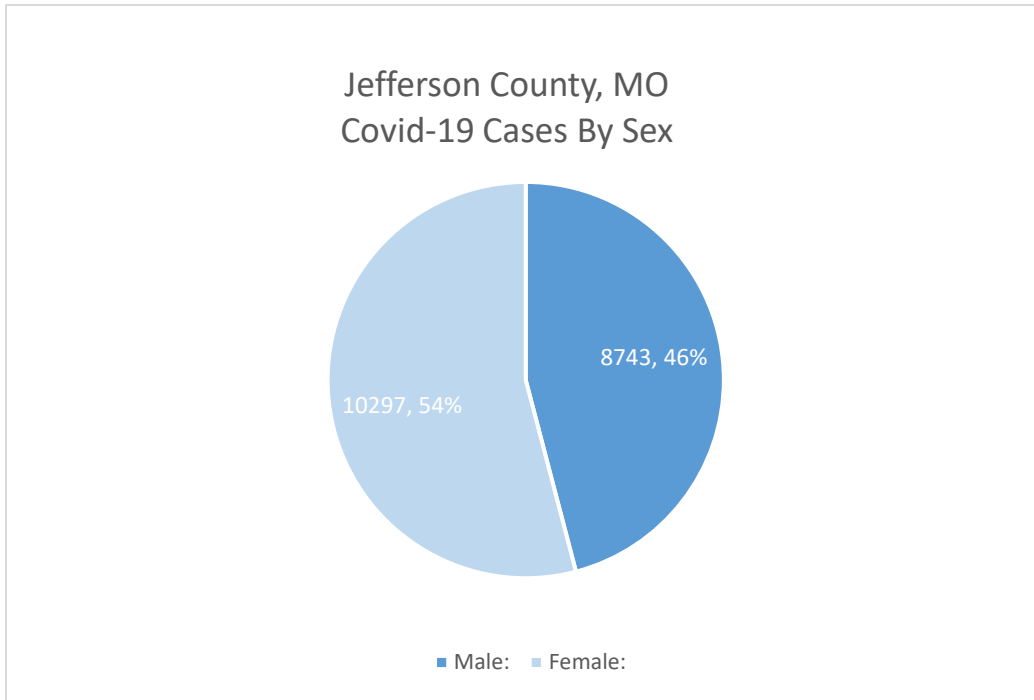


Figure 7. Covid-19 PCR Test Results by Week, Jefferson County, Missouri

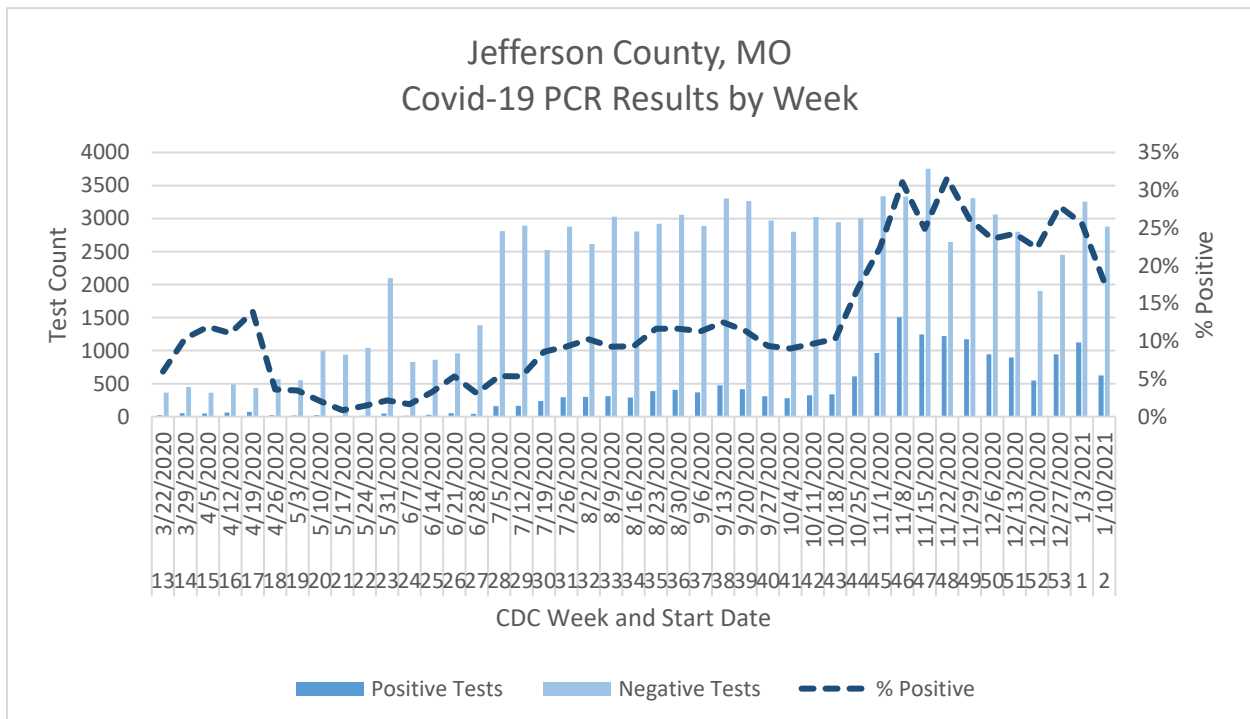


Table 3. Covid-19 PCR Test Results and Percent Positive
by Week, Jefferson County, Missouri

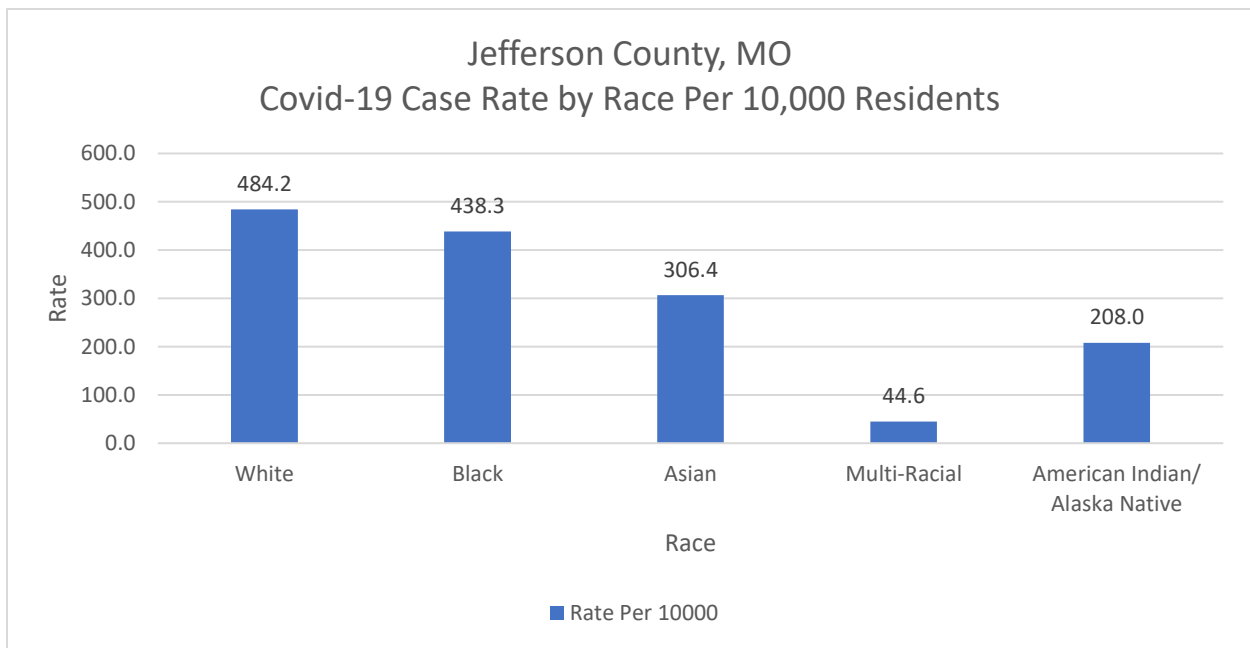
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
13	3/22/2020	23	361	384	6.0%
14	3/29/2020	52	449	501	10.4%
15	4/5/2020	49	363	412	11.9%
16	4/12/2020	61	490	551	11.1%
17	4/19/2020	70	433	503	13.9%
18	4/26/2020	21	566	587	3.6%
19	5/3/2020	20	553	573	3.5%
20	5/10/2020	21	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	295	2878	3173	9.3%
32	8/2/2020	299	2615	2914	10.3%
33	8/9/2020	310	3030	3340	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	472	3302	3774	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	323	3022	3345	9.7%
43	10/18/2020	338	2946	3284	10.3%
44	10/25/2020	612	3005	3617	16.9%
45	11/1/2020	964	3340	4304	22.4%
46	11/8/2020	1504	3334	4838	31.1%
47	11/15/2020	1243	3754	4997	24.9%
48	11/22/2020	1222	2644	3866	31.6%
49	11/29/2020	1172	3309	4481	26.2%
50	12/6/2020	945	3062	4007	23.6%
51	12/13/2020	895	2798	3693	24.2%
52	12/20/2020	548	1905	2453	22.3%
53	12/27/2020	945	2449	3394	27.8%
1	1/3/2021	1121	3257	4378	25.6%
2	1/10/2021	625	2878	3503	17.8%

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

Race	Cases	Rate Per 10000
White	10440	484.2
Black	118	438.3
Asian	55	306.4
Multi-Racial	16	44.6
American Indian/ Alaska Native	14	208.0
Unknown	2923	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

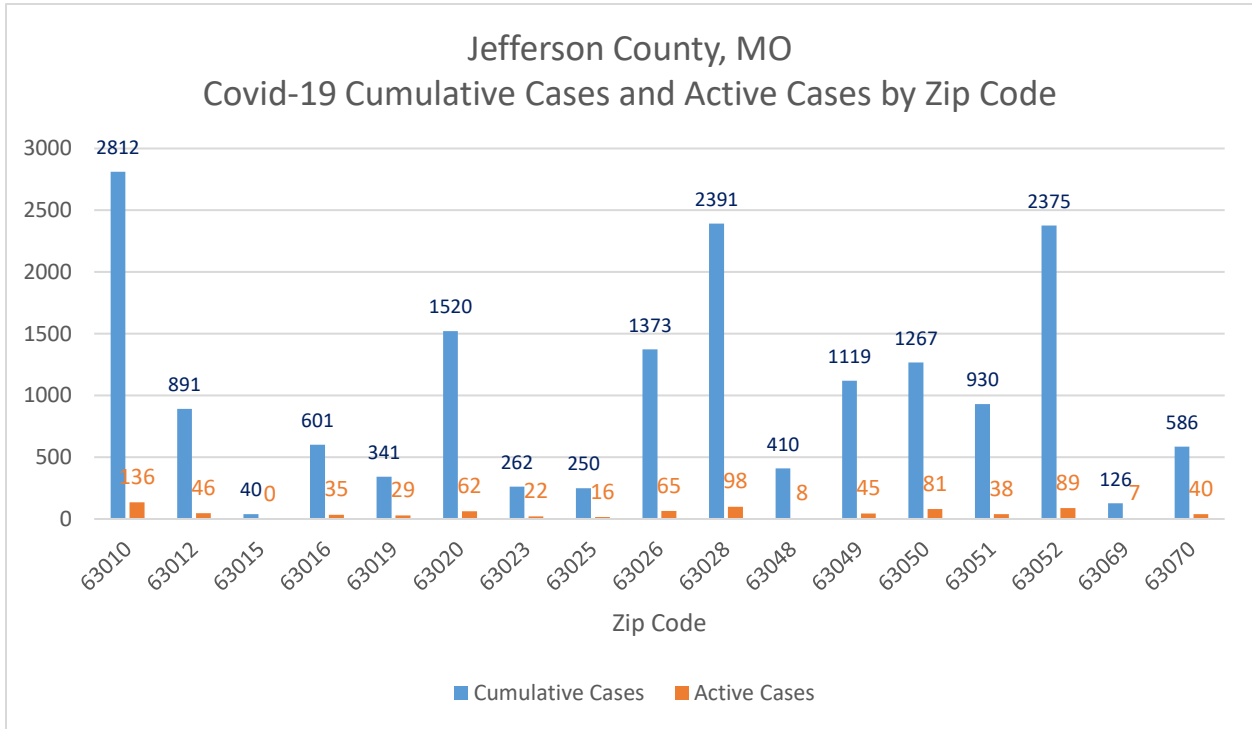
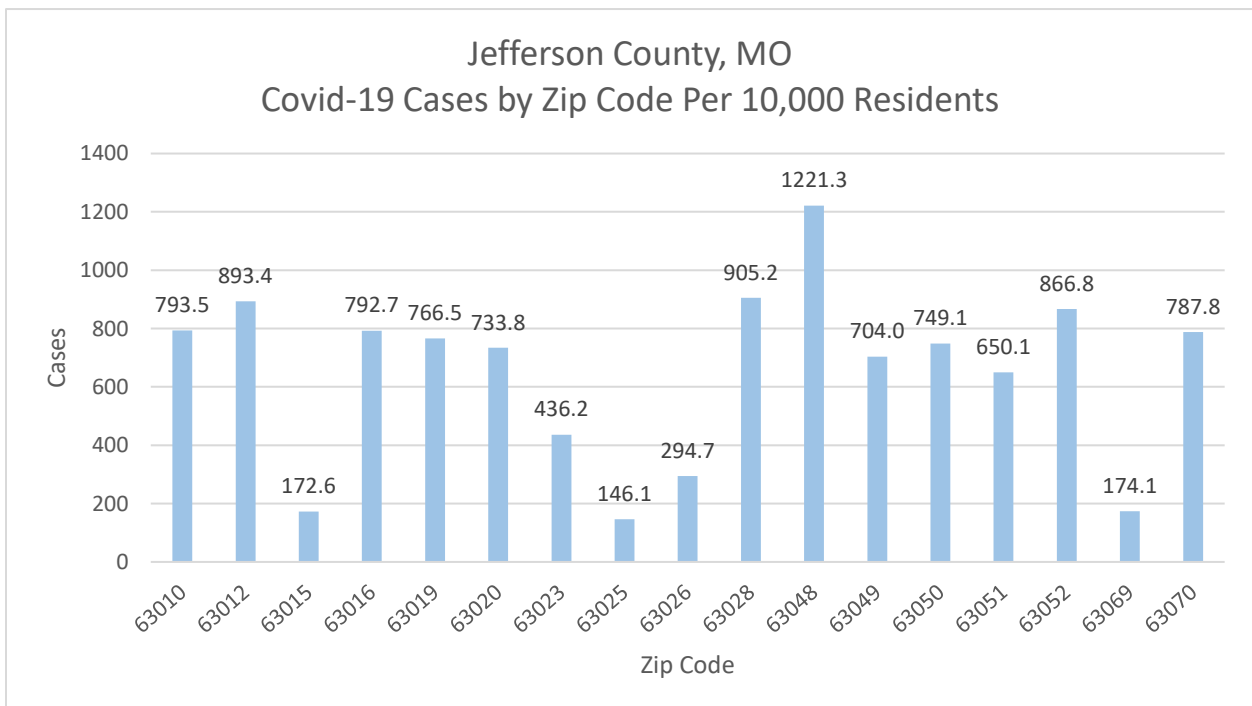


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County, Missouri





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 2: January 10- January 16

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

SUMMARY:

-This is a revised version of the Week 2 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
15	4/5/2020	43	116
16	4/12/2020	27	143
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	261	1192
32	8/2/2020	306	1498
33	8/9/2020	286	1784
34	8/16/2020	291	2075
35	8/23/2020	350	2425
36	8/30/2020	407	2832
37	9/6/2020	356	3188
38	9/13/2020	473	3661
39	9/20/2020	412	4073
40	9/27/2020	331	4404
41	10/4/2020	285	4689
42	10/11/2020	323	5012
43	10/18/2020	351	5363
44	10/25/2020	637	6000
45	11/1/2020	989	6989
46	11/8/2020	1565	8554
47	11/15/2020	1330	9884
48	11/22/2020	1272	11156
49	11/29/2020	1221	12377
50	12/6/2020	1015	13392
51	12/13/2020	1000	14392
52	12/20/2020	602	14994
53	12/27/2020	1040	16034
1	1/3/2021	1251	17285
2	1/10/2021	791	18076

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

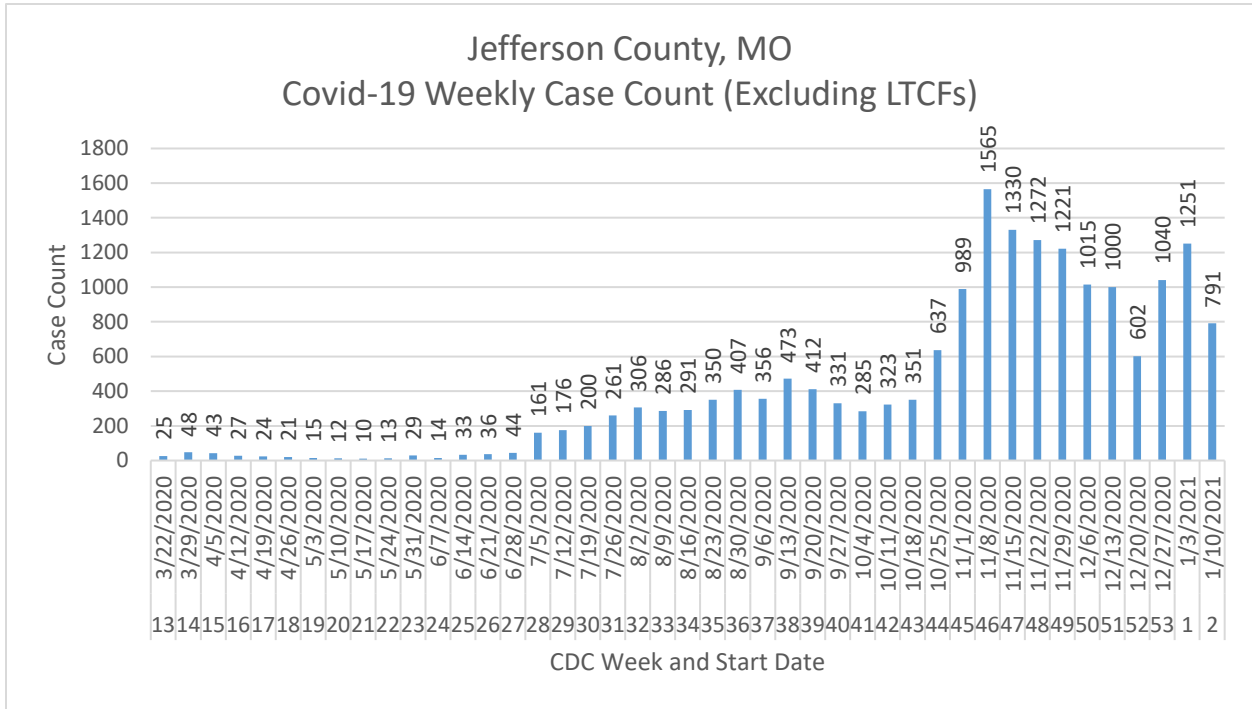


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week (Excluding LTCFs), Jefferson County, Missouri

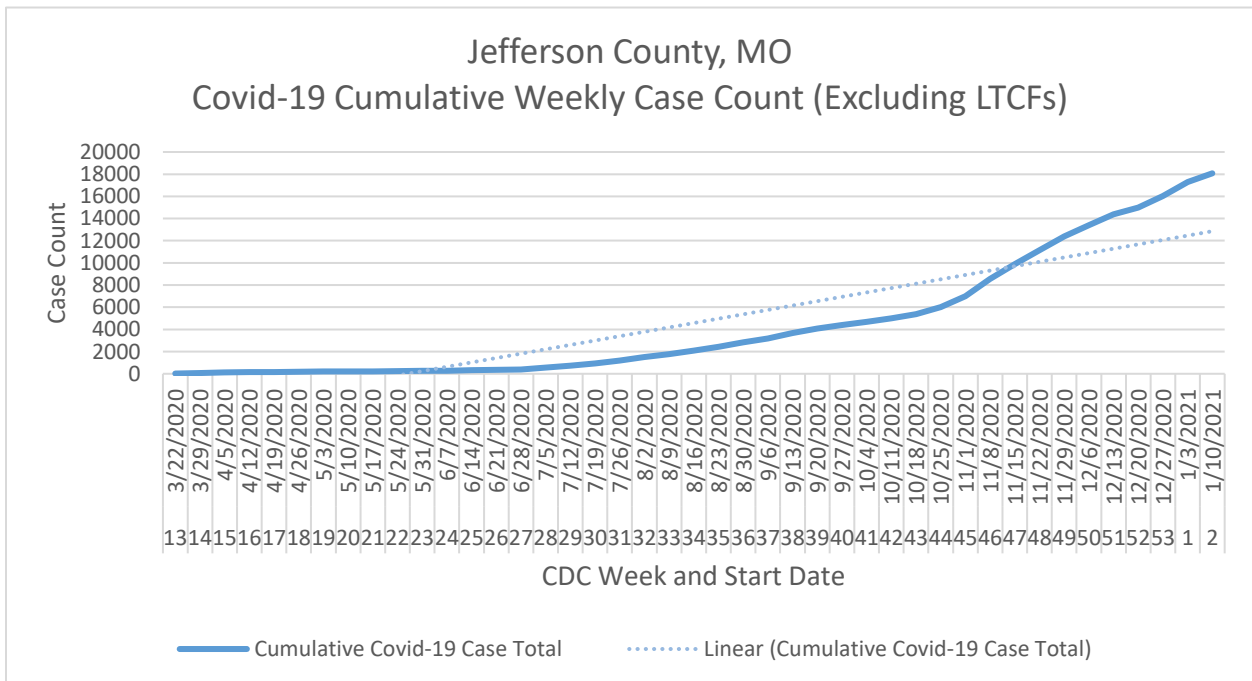


Figure 3. Covid-19 Daily Case Count and 7-Day Average (Excluding LTCFs), Jefferson County, Missouri

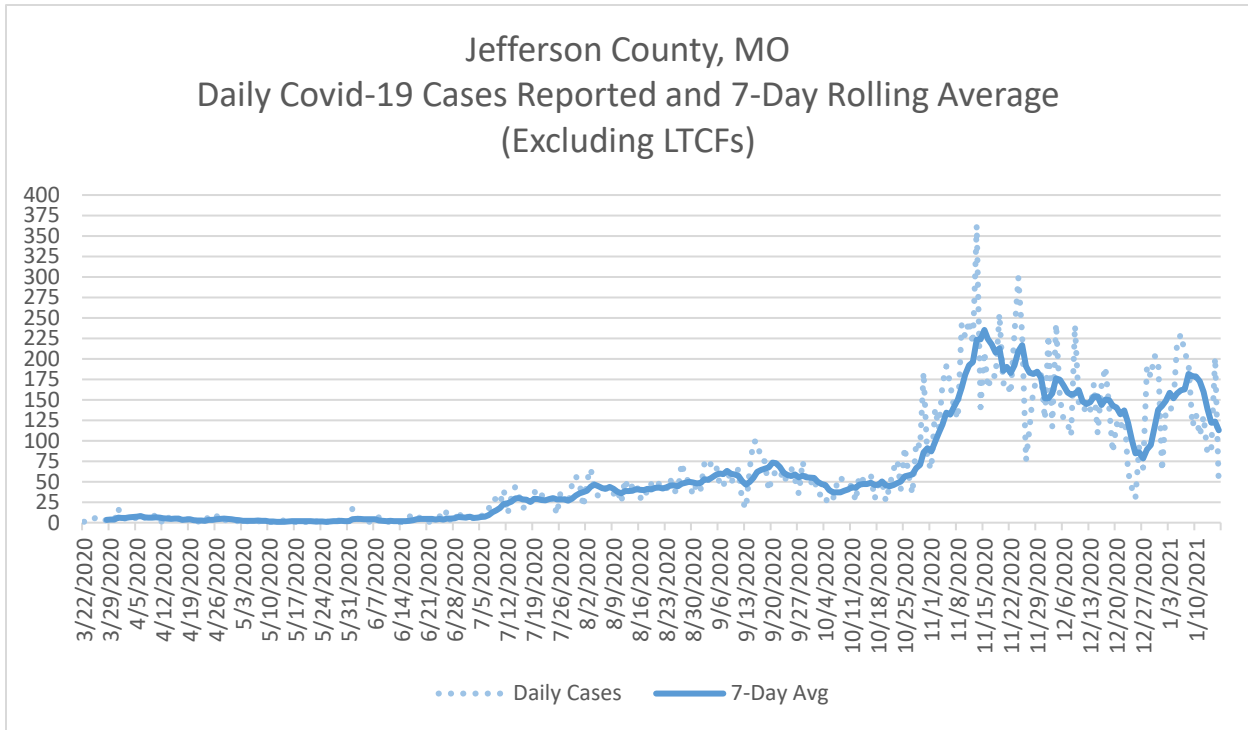


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates (Excluding LTCFs), Jefferson County, Missouri

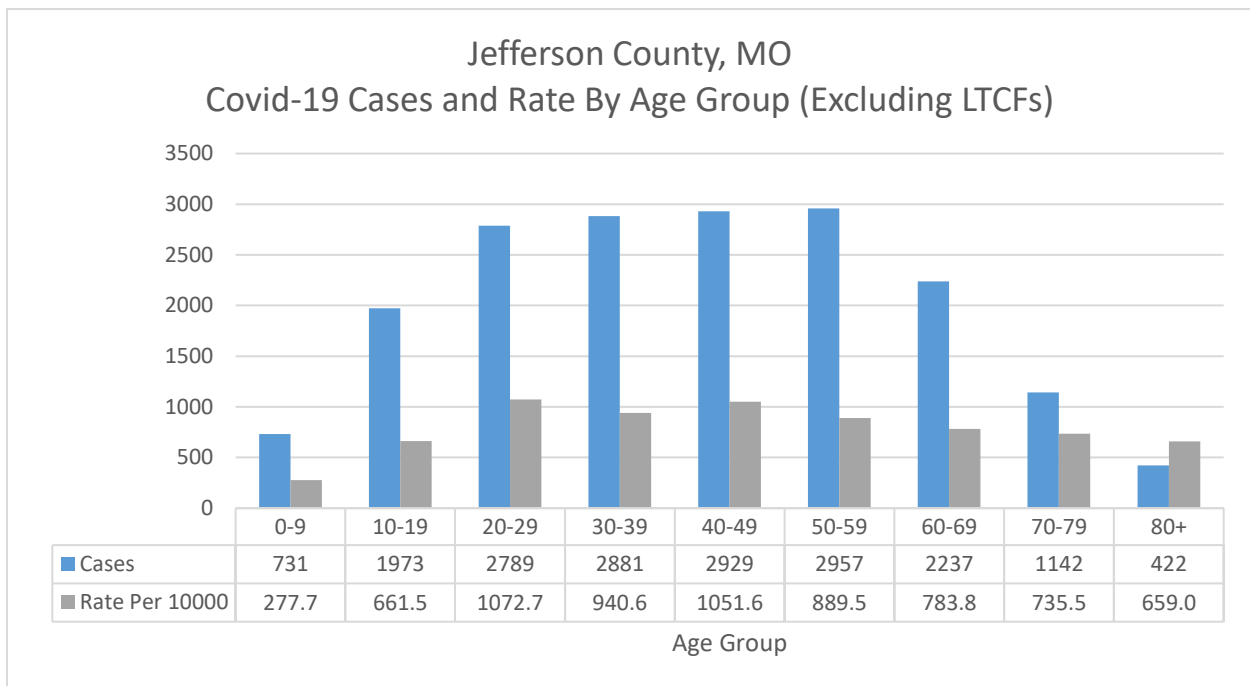


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group (Excluding LTCFs), Jefferson County, Missouri

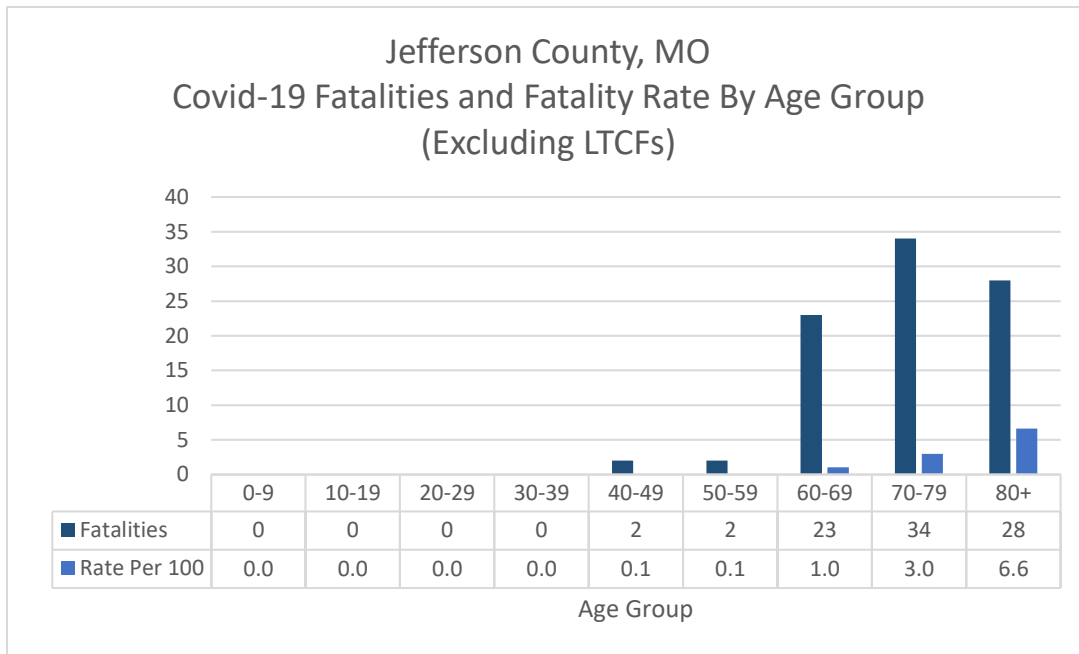


Table 2. Approximate Covid-19 Cumulative Fatality Rates (Excluding LTCFs)*

Jefferson County	.49%

*Missouri and United States data unavailable

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

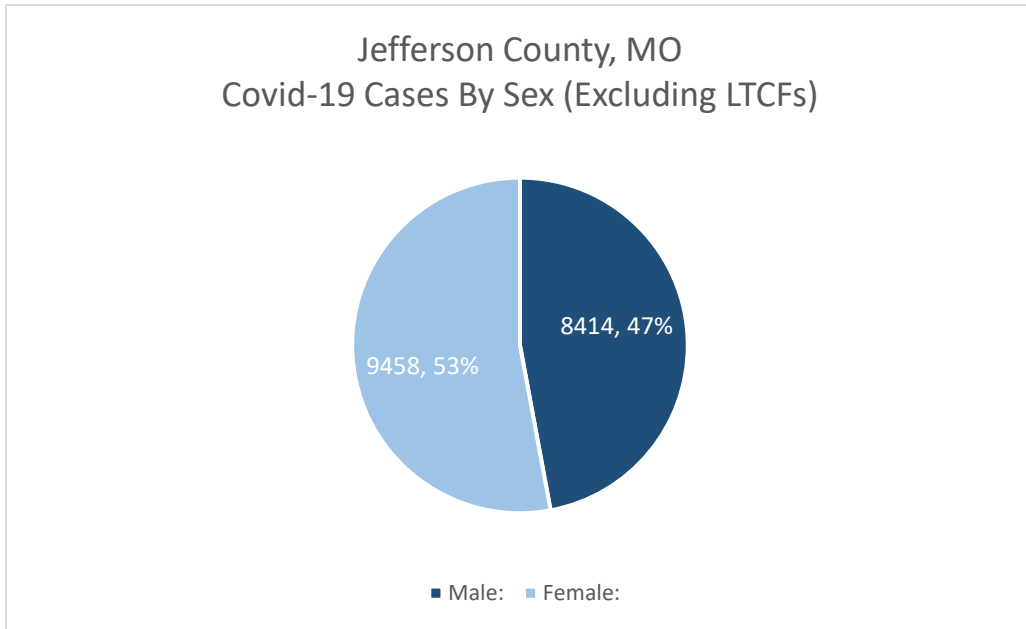


Figure 7. Covid-19 PCR Test Results by Week (Excluding LTCFs), Jefferson County, Missouri

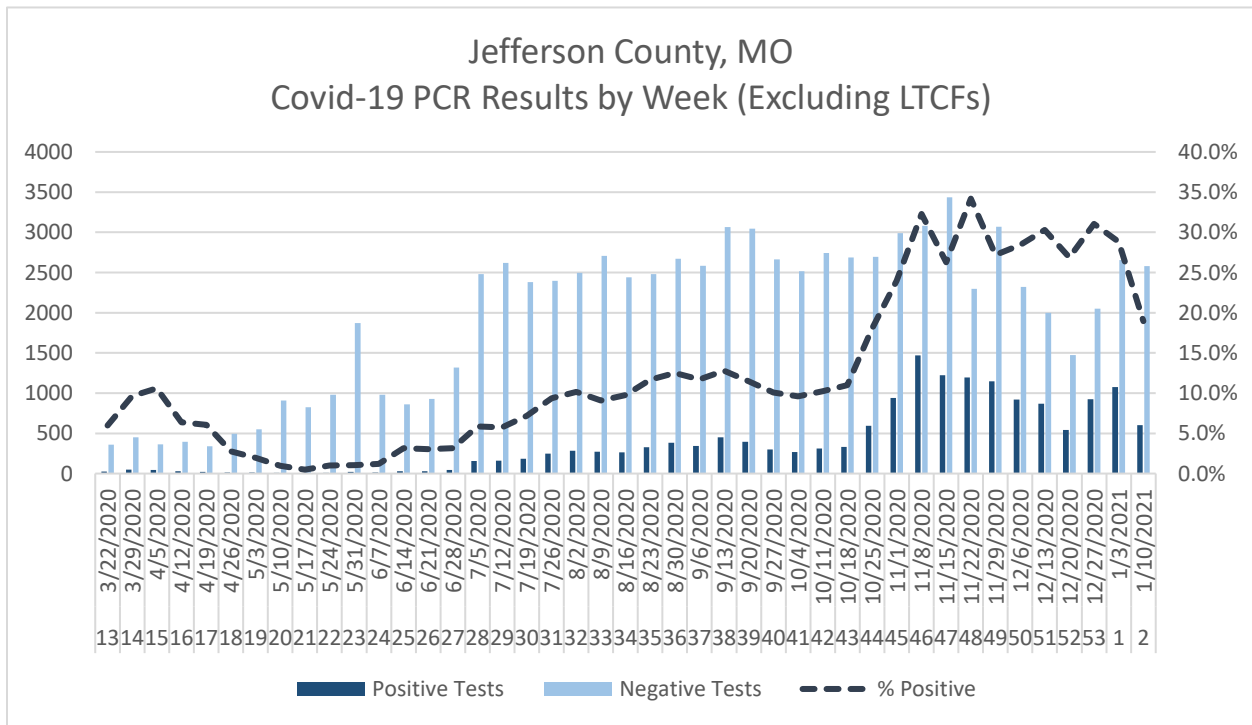


Table 3. Covid-19 PCR Test Results and Percent Positive by Week, Jefferson County (Excluding LTCFs), Missouri

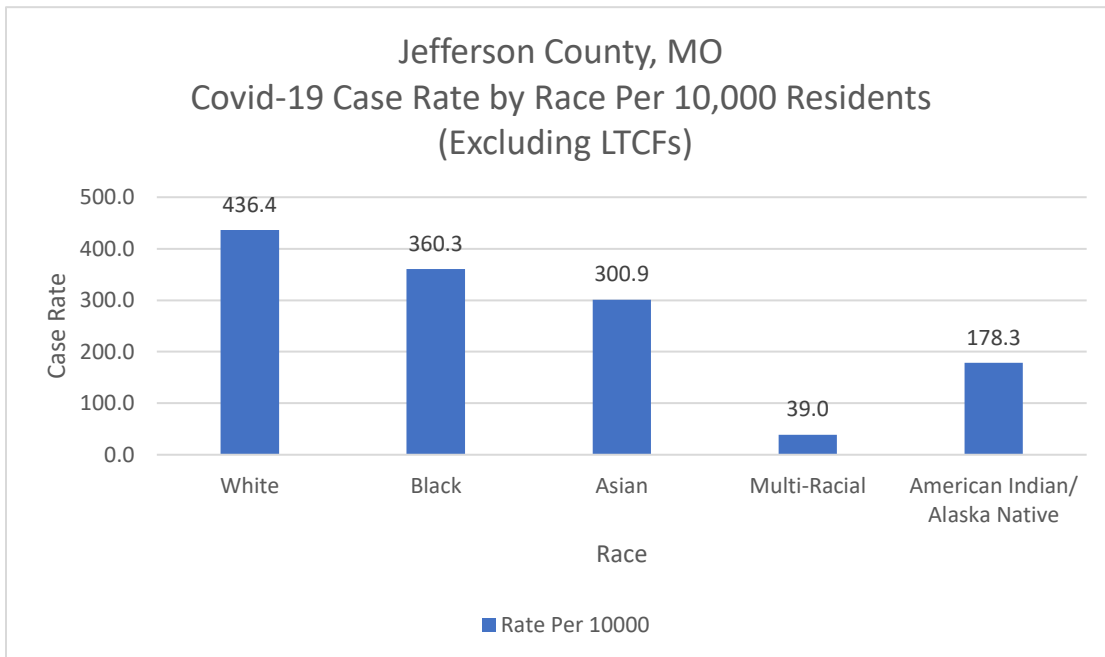
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
13	3/22/2020	23	361	384	6.0%
14	3/29/2020	48	449	497	9.7%
15	4/5/2020	43	363	406	10.6%
16	4/12/2020	27	396	423	6.4%
17	4/19/2020	22	340	362	6.1%
18	4/26/2020	14	493	507	2.8%
19	5/3/2020	11	549	560	2.0%
20	5/10/2020	9	907	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	247	2396	2643	9.3%
32	8/2/2020	282	2497	2779	10.1%
33	8/9/2020	271	2707	2978	9.1%
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	449	3066	3515	12.8%
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	313	2745	3058	10.2%
43	10/18/2020	332	2687	3019	11.0%
44	10/25/2020	592	2695	3287	18.0%
45	11/1/2020	942	2990	3932	24.0%
46	11/8/2020	1471	3083	4554	32.3%
47	11/15/2020	1224	3437	4661	26.3%
48	11/22/2020	1193	2296	3489	34.2%
49	11/29/2020	1146	3069	4215	27.2%
50	12/6/2020	922	2322	3244	28.4%
51	12/13/2020	869	1998	2867	30.3%
52	12/20/2020	542	1475	2017	26.9%
53	12/27/2020	923	2049	2972	31.1%
1	1/3/2021	1075	2657	3732	28.8%
2	1/10/2021	603	2578	3181	19.0%

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

Race	Cases	Rate Per 10000
White	9409	436.4
Black	97	360.3
Asian	54	300.9
Multi-Racial	14	39.0
American Indian/ Alaska Native	12	178.3
Unknown	2848	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.



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

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

Week 2: January 10- January 16

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

SUMMARY:

- During Week 2 a total of 144 confirmed and probable Covid-19 cases were reported in Jefferson County for the 0-19 year age group. A year-to-date total of 2738 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
16	4/12/2020	0	2
17	4/19/2020	0	2
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	23	66
30	7/19/2020	32	98
31	7/26/2020	37	135
32	8/2/2020	35	170
33	8/9/2020	38	208
34	8/16/2020	48	256
35	8/23/2020	61	317
36	8/30/2020	65	382
37	9/6/2020	61	443
38	9/13/2020	94	537
39	9/20/2020	68	605
40	9/27/2020	52	657
41	10/4/2020	32	689
42	10/11/2020	41	730
43	10/18/2020	47	777
44	10/25/2020	97	874
45	11/1/2020	159	1033
46	11/8/2020	244	1277
47	11/15/2020	204	1481
48	11/22/2020	158	1639
49	11/29/2020	178	1817
50	12/6/2020	161	1978
51	12/13/2020	160	2138
52	12/20/2020	91	2229
53	12/27/2020	140	2369
1	1/3/2021	225	2594
2	1/10/2021	144	2738

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

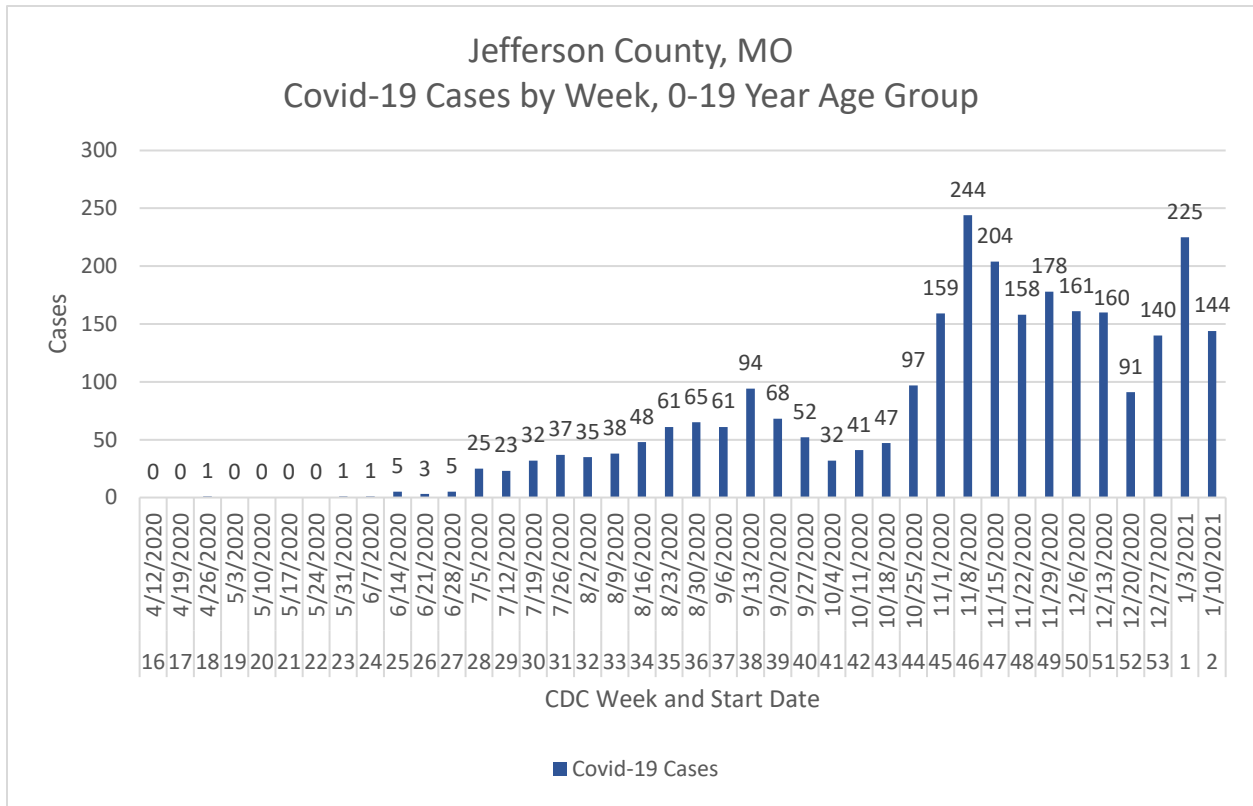


Table 2. Covid-19 Cases by Age Group, Jefferson County, Missouri

Age Group	Cases	Percent
0-9	731	3.79%
10-19	2007	10.42%
20+	16514	85.71%

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

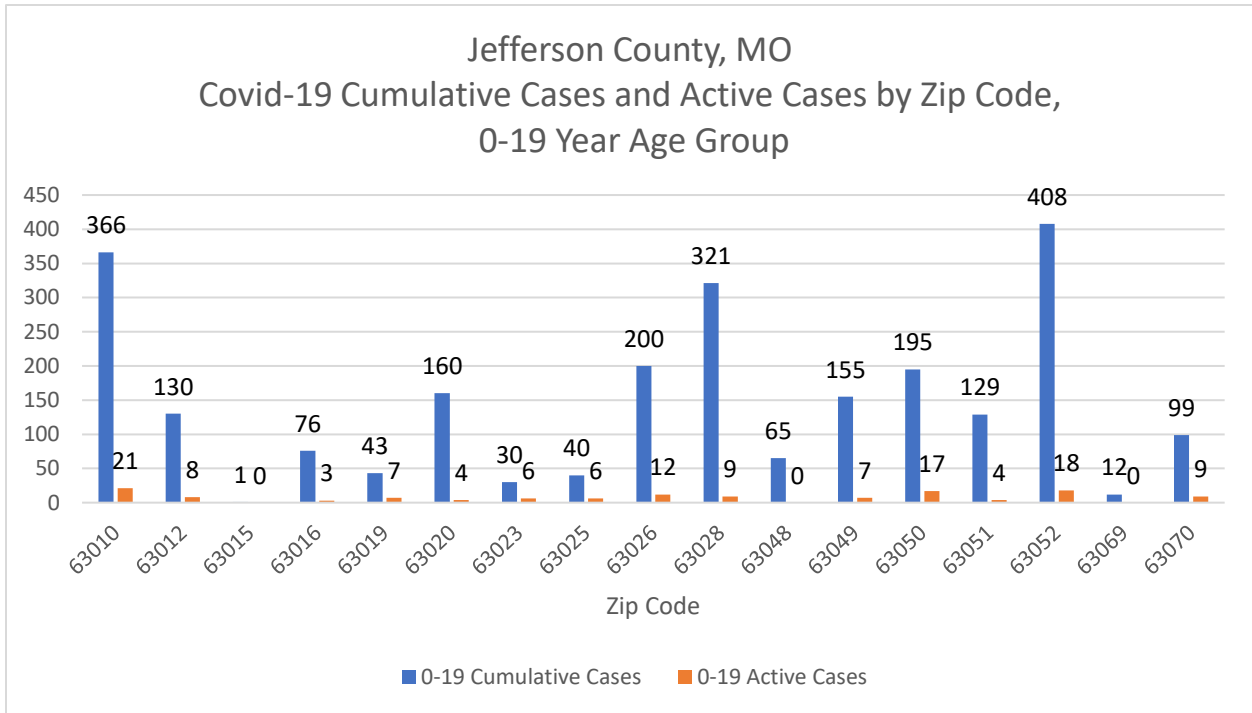


Figure 3. Covid-19 Cases by Age-Based Grade Levels, Jefferson County, Missouri

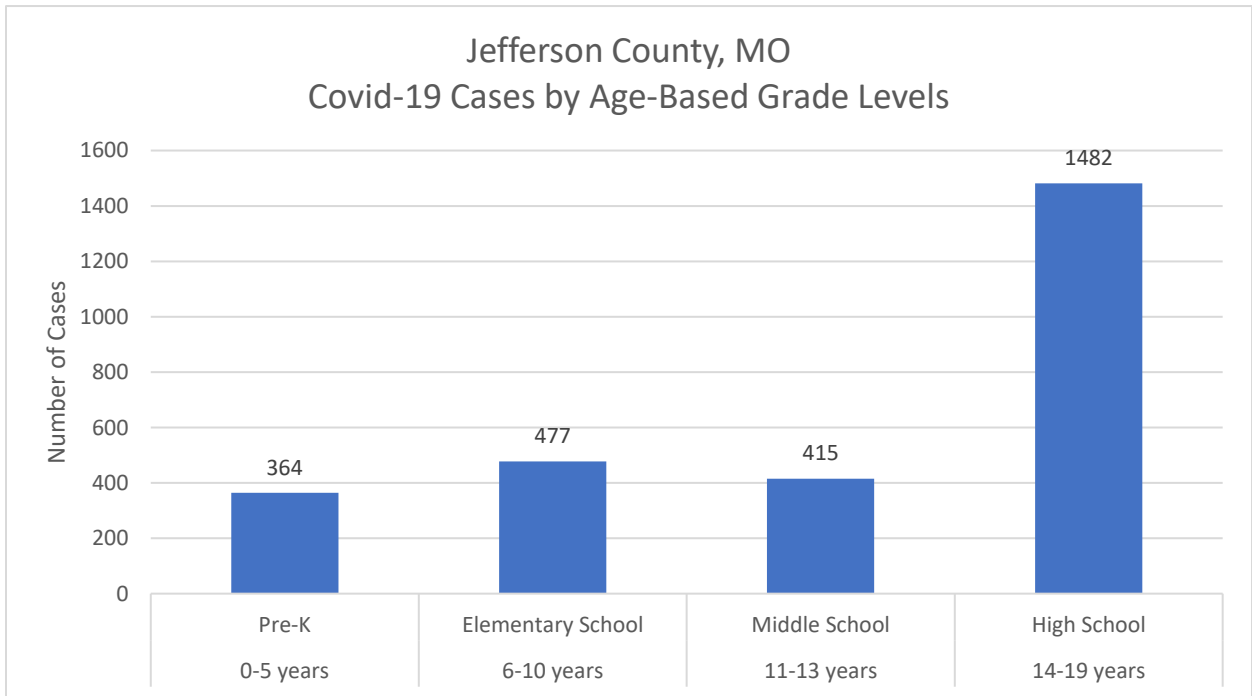


Figure 4. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Pre-K Age Group, Jefferson County, Missouri

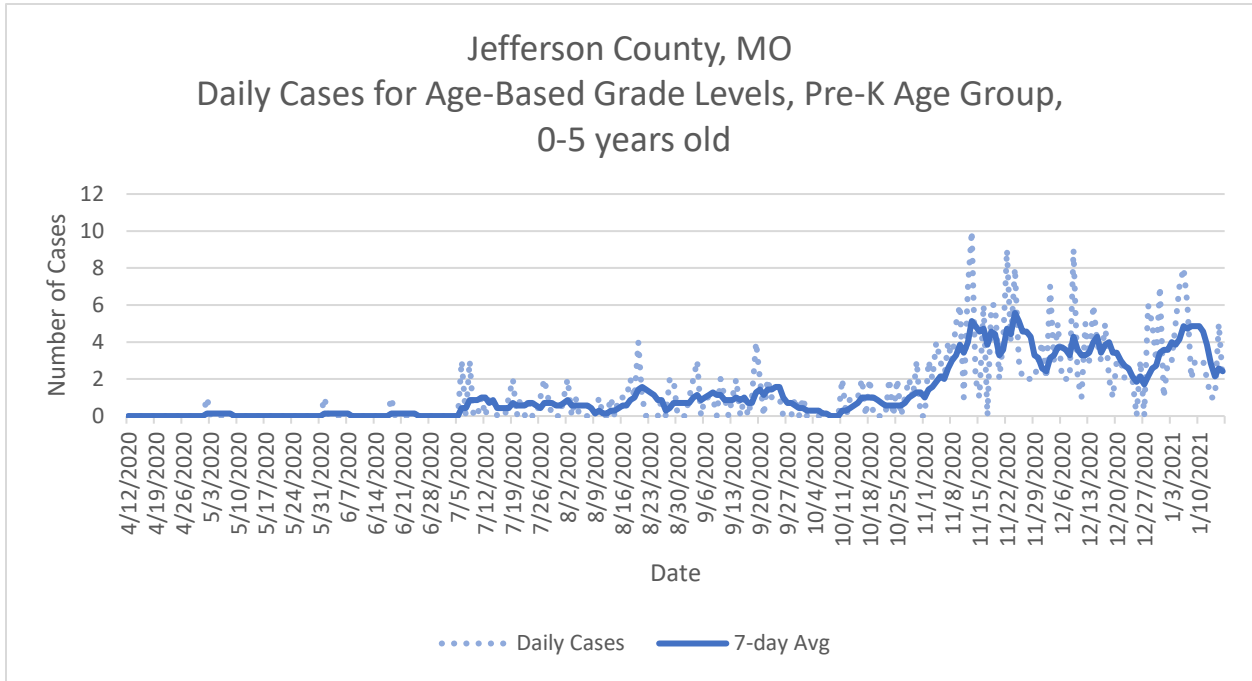


Figure 5. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Elementary School Age Group, Jefferson County, Missouri

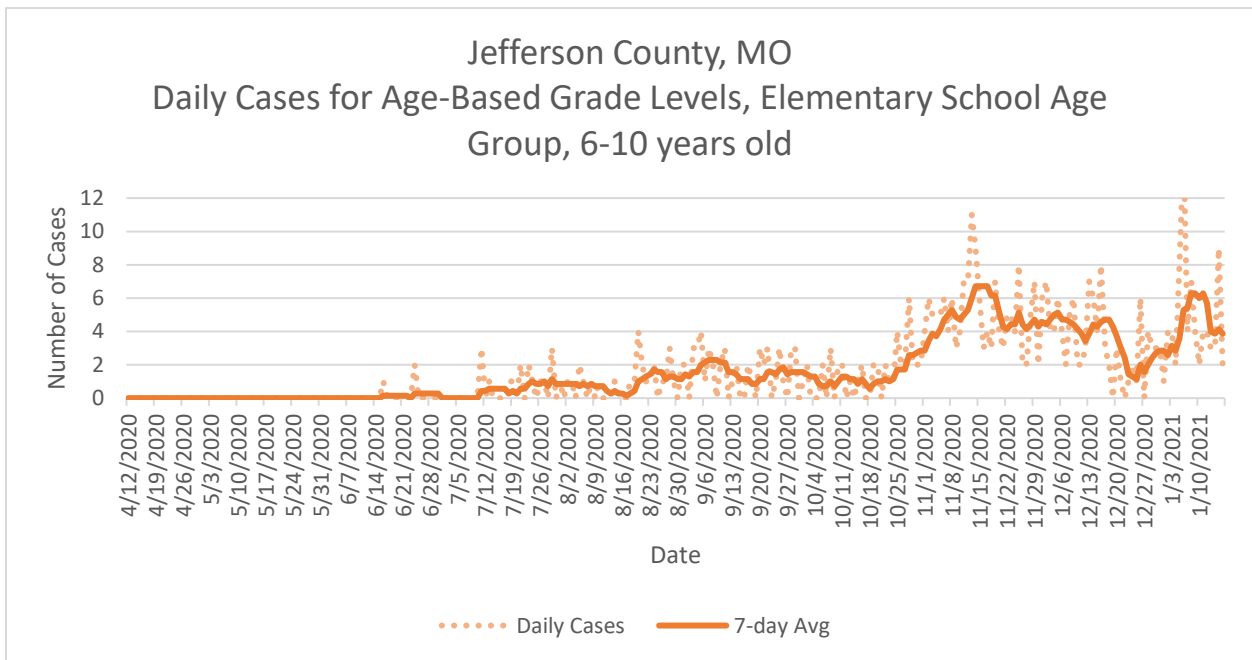


Figure 6. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Middle School Age Group, Jefferson County, Missouri

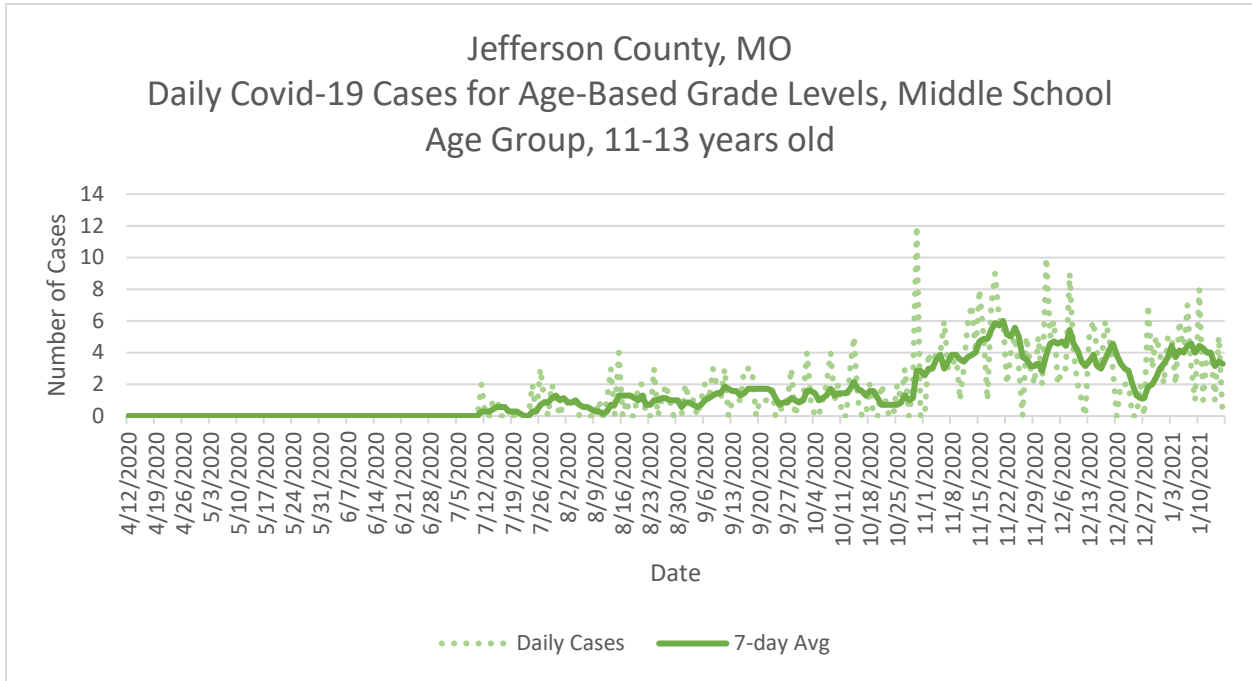


Figure 7. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, High School Age Group, Jefferson County, Missouri

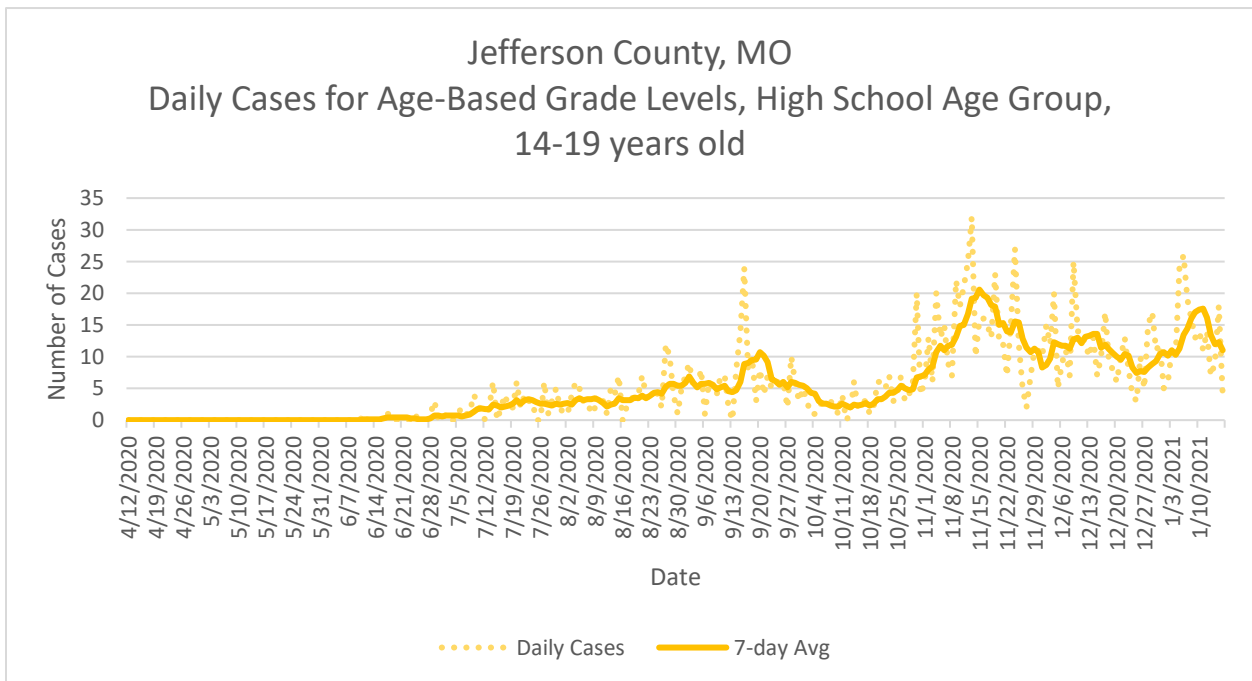


Figure 8. Overlay of 7-Day Rolling Average of Daily Covid-19 Cases for all Age-Based Grade Levels, Jefferson County, Missouri

