



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 3: January 17- January 23**

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

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**SUMMARY:**

- During Week 3 a total of 801 confirmed and probable Covid-19 cases were reported in Jefferson County. A cumulative total of 20034 confirmed and probable Covid-19 cases have been reported in Jefferson County as of Week 3.
- One hundred sixty-four Covid-19 associated deaths have been reported in Jefferson County as of Week 3.
- Twenty-six outbreaks of Covid-19 have been reported in long-term care facilities (LTCF) in Jefferson County.<sup>1</sup>

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<sup>1</sup>Outbreaks 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
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	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	1021	7679
46	11/8/2020	1626	9305
47	11/15/2020	1373	10678
48	11/22/2020	1328	12006
49	11/29/2020	1284	13290
50	12/6/2020	1076	14366
51	12/13/2020	1031	15397
52	12/20/2020	612	16009
53	12/27/2020	1070	17079
1	1/3/2021	1306	18385
2	1/10/2021	848	19233
3	1/17/2021	801	20034

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

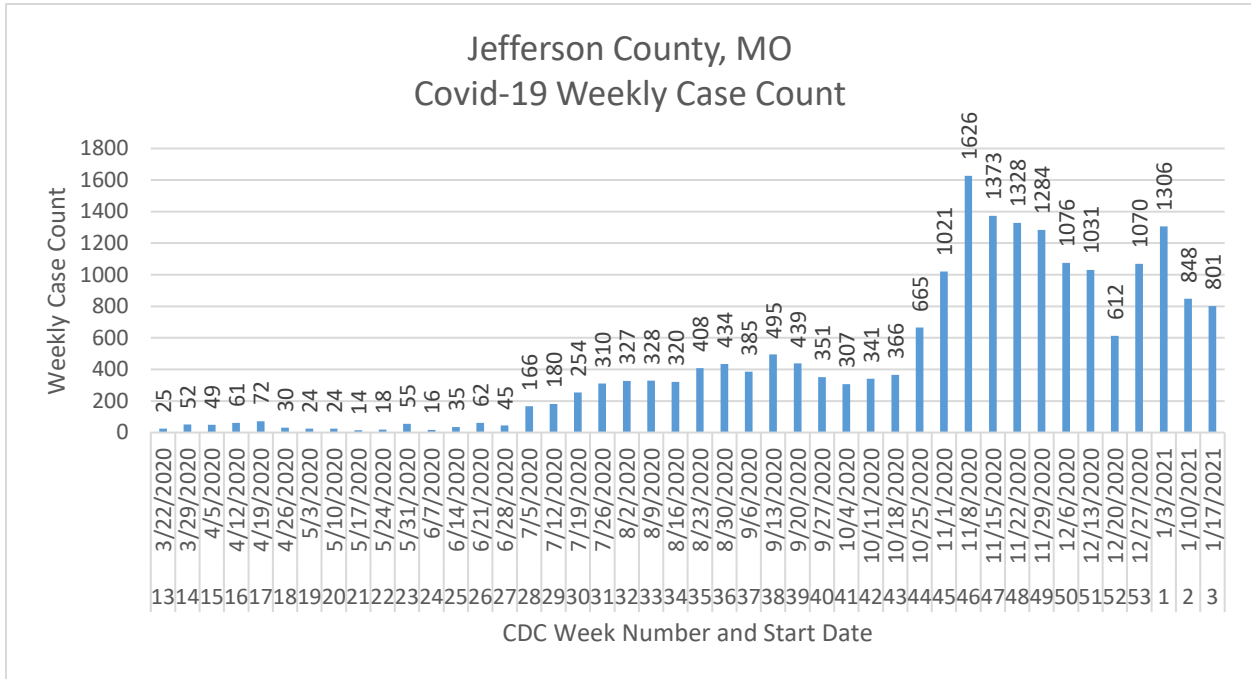


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week, Jefferson County, Missouri

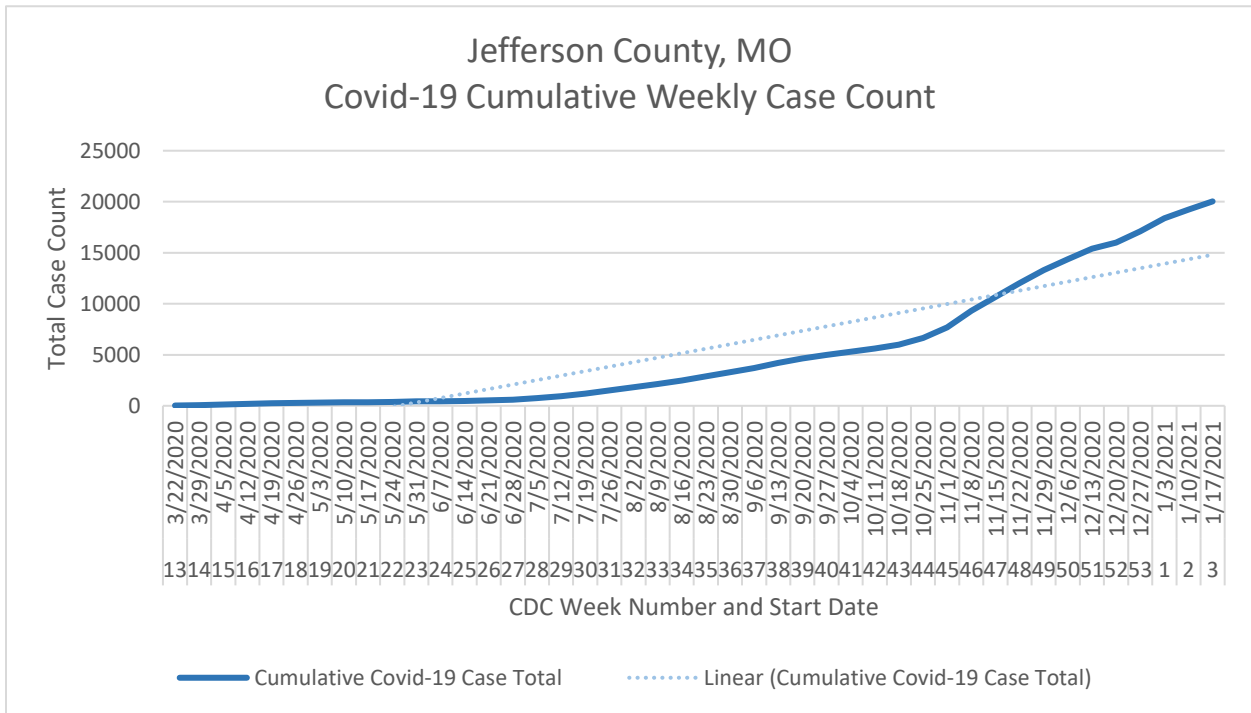


Figure 3. Covid-19 Daily Case Count and 7-Day Average, Jefferson County, Missouri

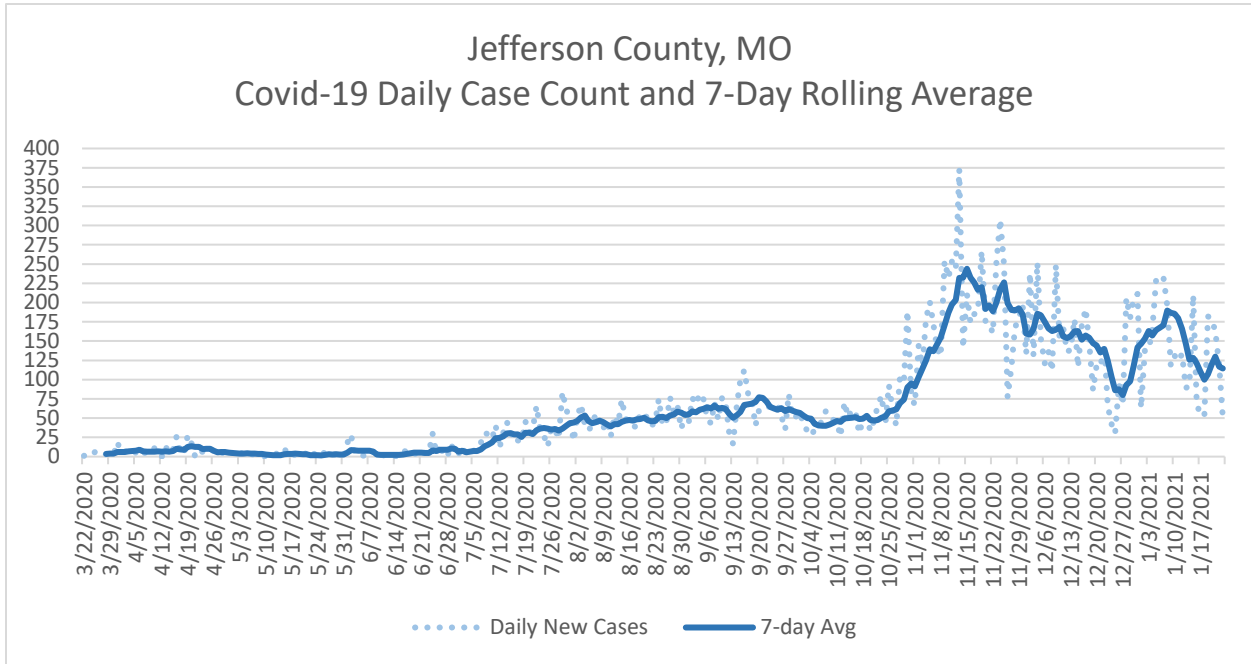


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates, Jefferson County, Missouri

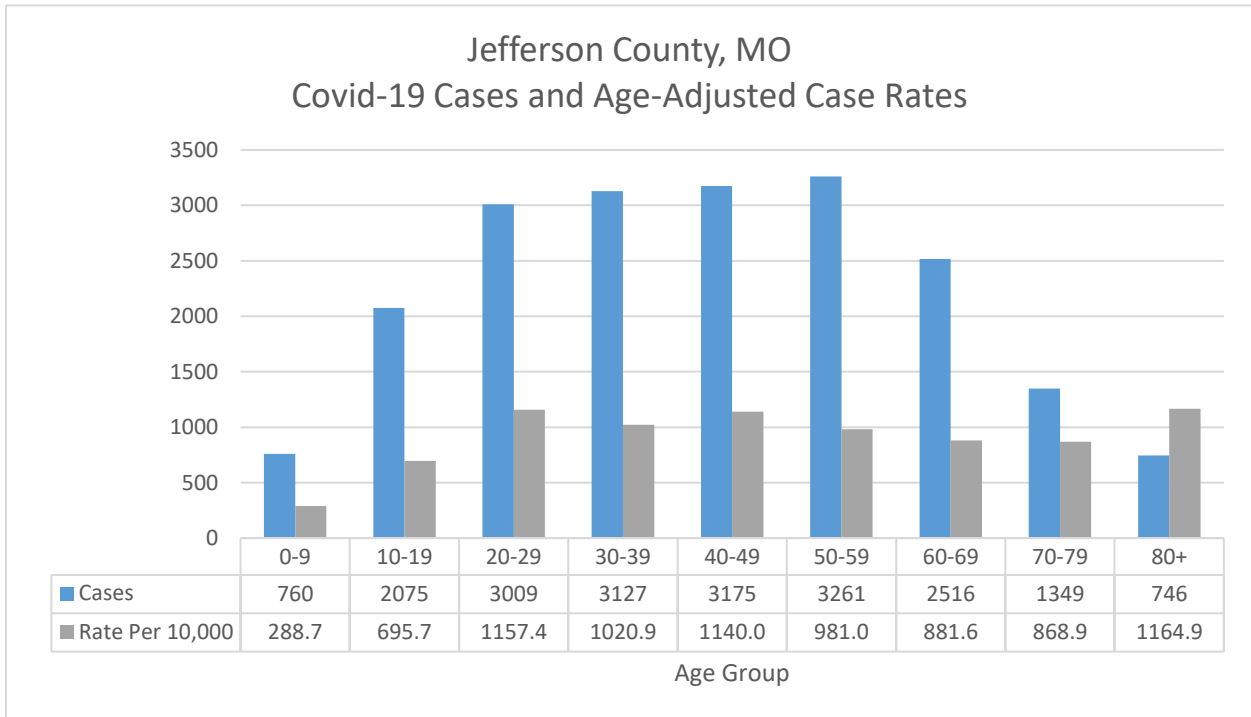


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group, Jefferson County, Missouri

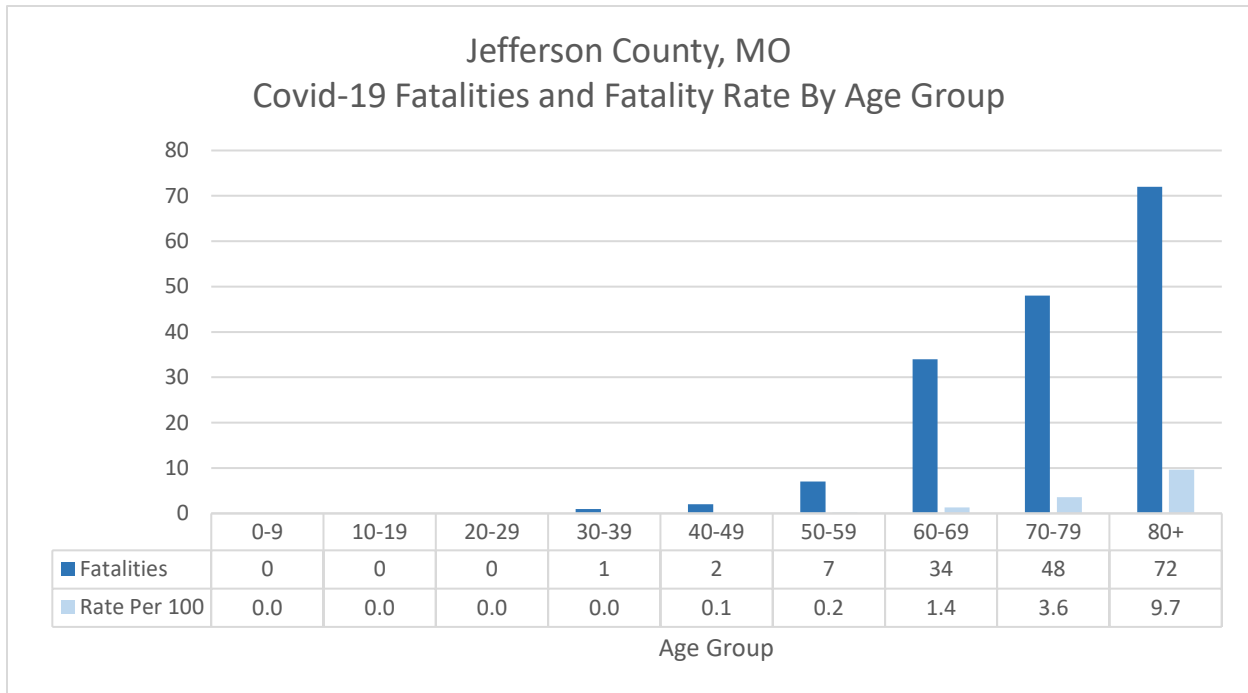


Table 2. Approximate Covid-19 Cumulative Fatality Rates

Jefferson County	0.82%
Missouri	1.45%
US	1.67%

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

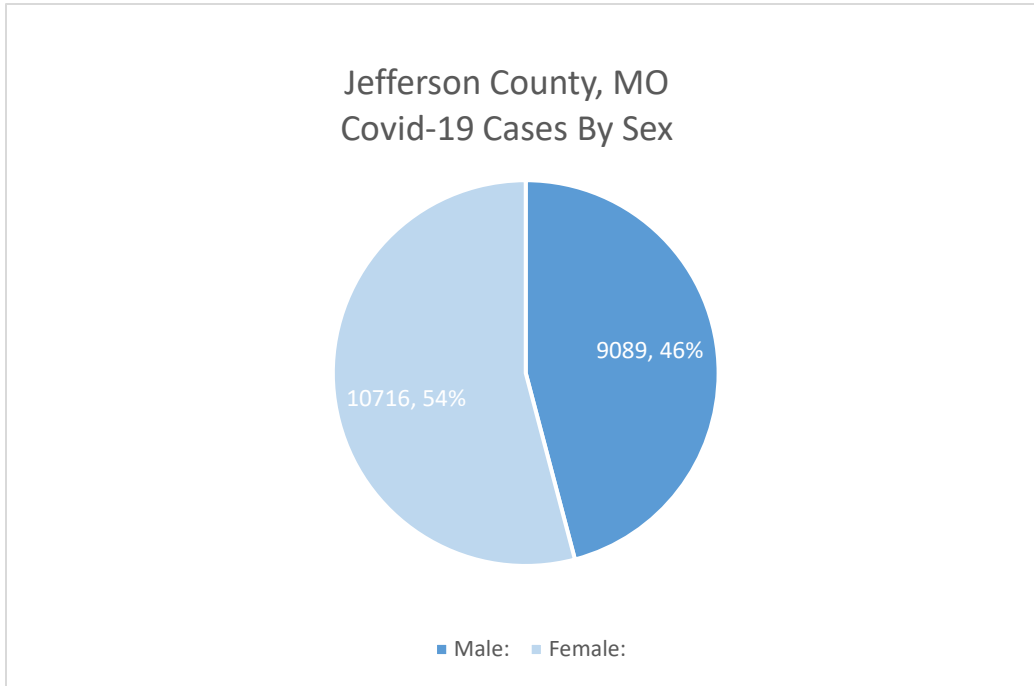


Figure 7. Covid-19 PCR Test Results by Week, Jefferson County, Missouri

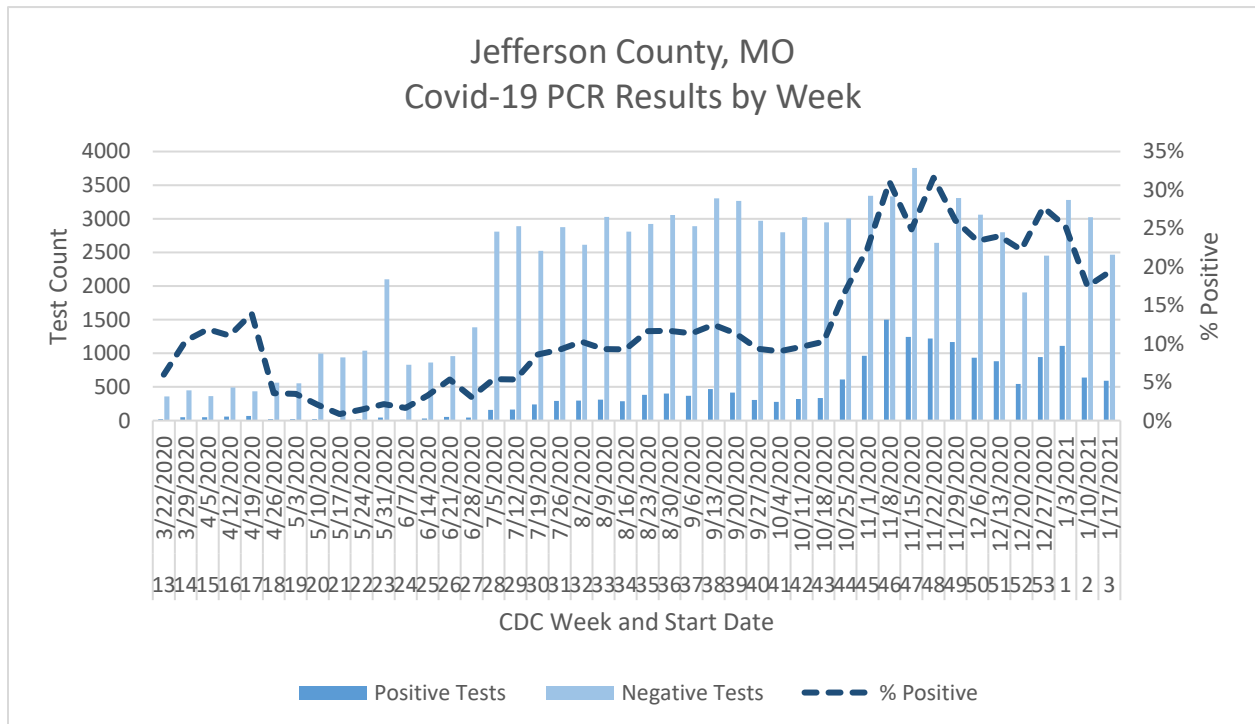


Table 3. Covid-19 PCR Test Results and Percent Positive  
by Week, Jefferson County, Missouri

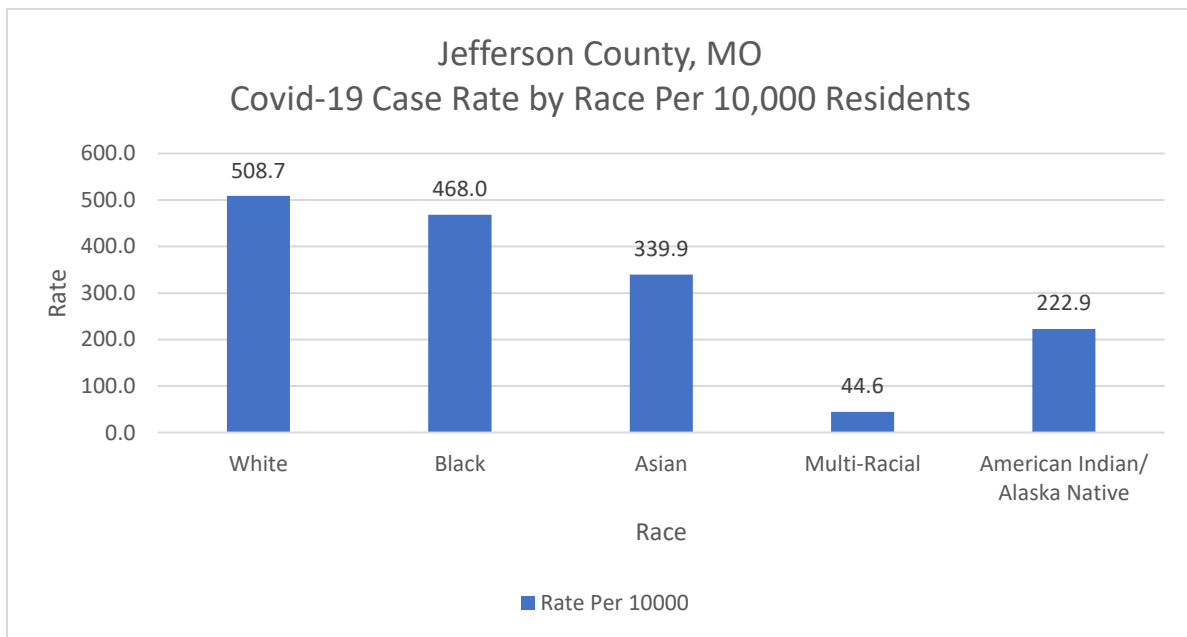
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
14	3/29/2020	52	449	501	10.4%
15	4/5/2020	49	363	412	11.9%
16	4/12/2020	61	490	551	11.1%
17	4/19/2020	70	433	503	13.9%
18	4/26/2020	21	566	587	3.6%
19	5/3/2020	20	553	573	3.5%
20	5/10/2020	21	997	1018	2.1%
21	5/17/2020	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	293	2878	3171	9.2%
32	8/2/2020	299	2615	2914	10.3%
33	8/9/2020	311	3030	3341	9.3%
34	8/16/2020	287	2807	3094	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	337	2946	3283	10.3%
44	10/25/2020	612	3005	3617	16.9%
45	11/1/2020	962	3340	4302	22.4%
46	11/8/2020	1503	3334	4837	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	935	3062	3997	23.4%
51	12/13/2020	884	2798	3682	24.0%
52	12/20/2020	544	1905	2449	22.2%
53	12/27/2020	942	2453	3395	27.7%
1	1/3/2021	1110	3280	4390	25.3%
2	1/10/2021	640	3025	3665	17.5%
3	1/17/2021	591	2467	3058	19.3%

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

Race	Cases	Rate Per 10000
White	10968	508.7
Black	126	468.0
Asian	61	339.9
Multi-Racial	16	44.6
American Indian/ Alaska Native	15	222.9
Unknown	3084	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

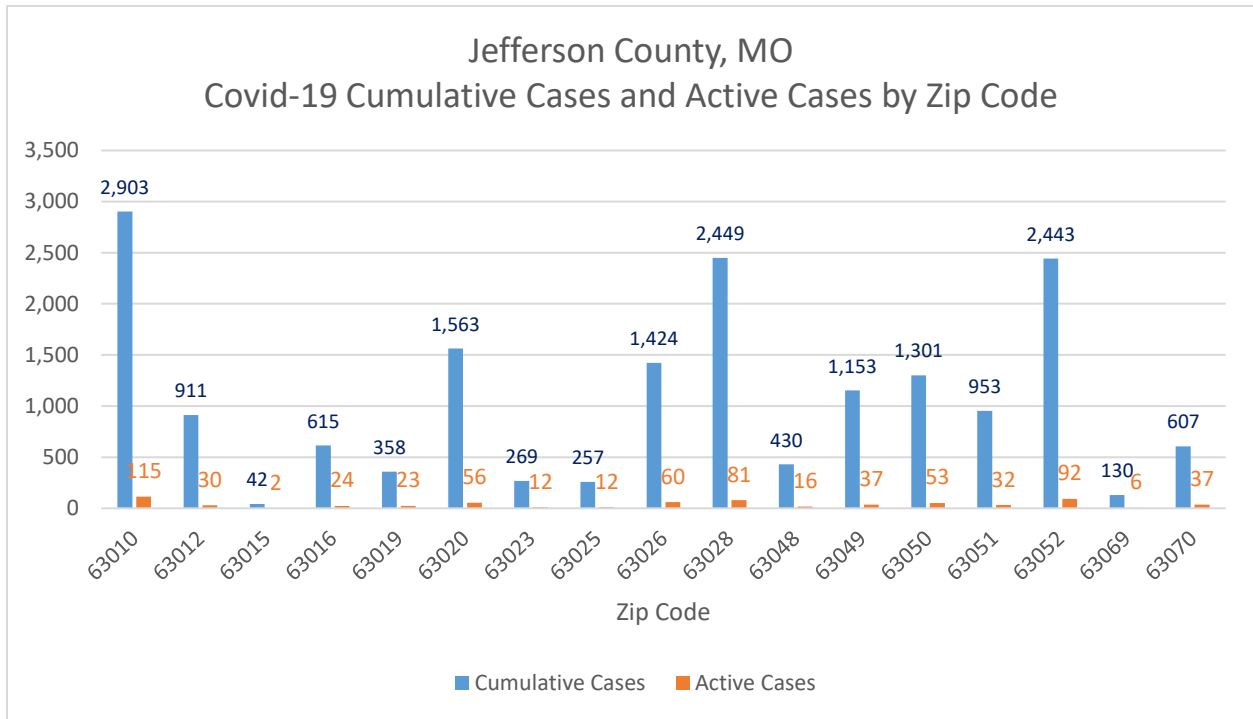
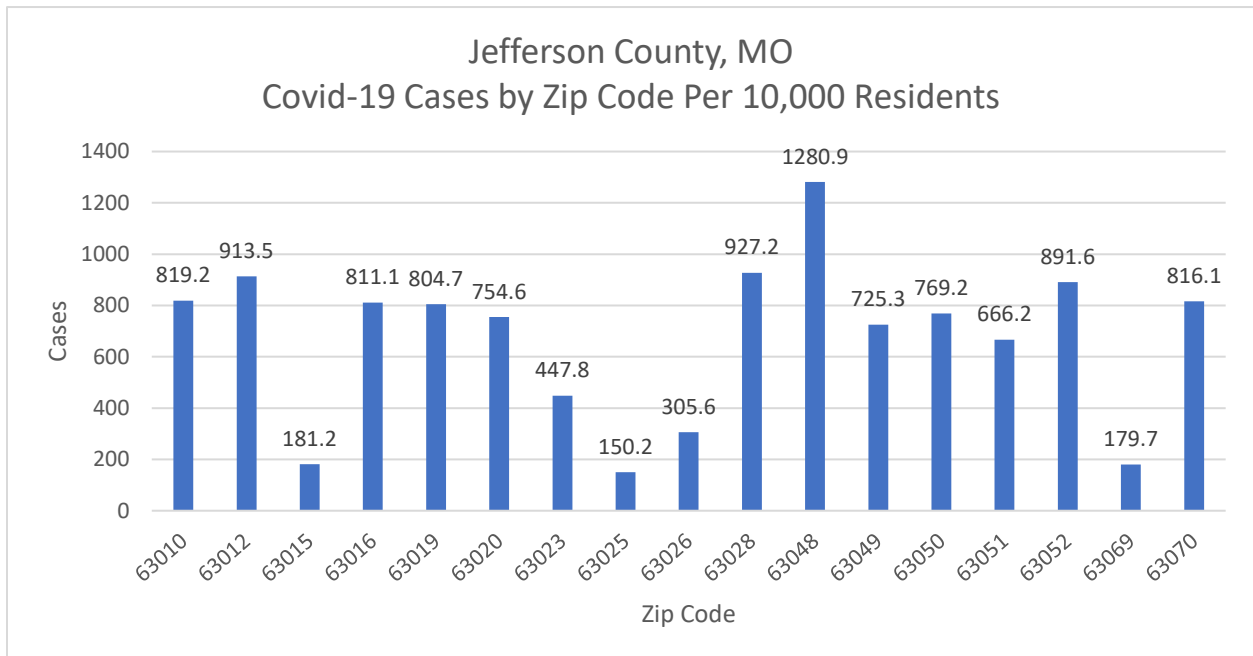


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County, Missouri





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 3: January 17- January 23**

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

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**SUMMARY:**

-This is a revised version of the Week 3 Covid-19 report excluding cases associated with LTCFs (Long Term Care Facilities).

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**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
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	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	987	6982
46	11/8/2020	1564	8546
47	11/15/2020	1329	9875
48	11/22/2020	1271	11146
49	11/29/2020	1215	12361
50	12/6/2020	1006	13367
51	12/13/2020	990	14357
52	12/20/2020	598	14955
53	12/27/2020	1036	15991
1	1/3/2021	1237	17228
2	1/10/2021	814	18042
3	1/17/2021	746	18788

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

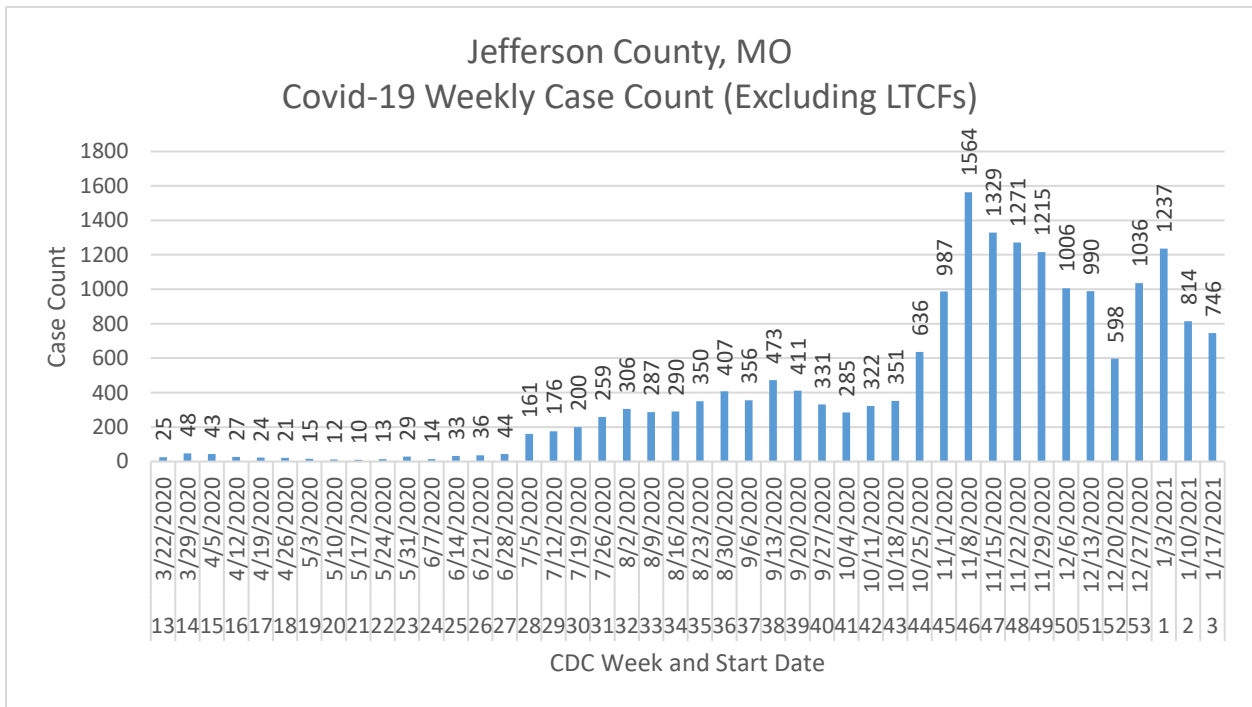


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week (Excluding LTCFs), Jefferson County, Missouri

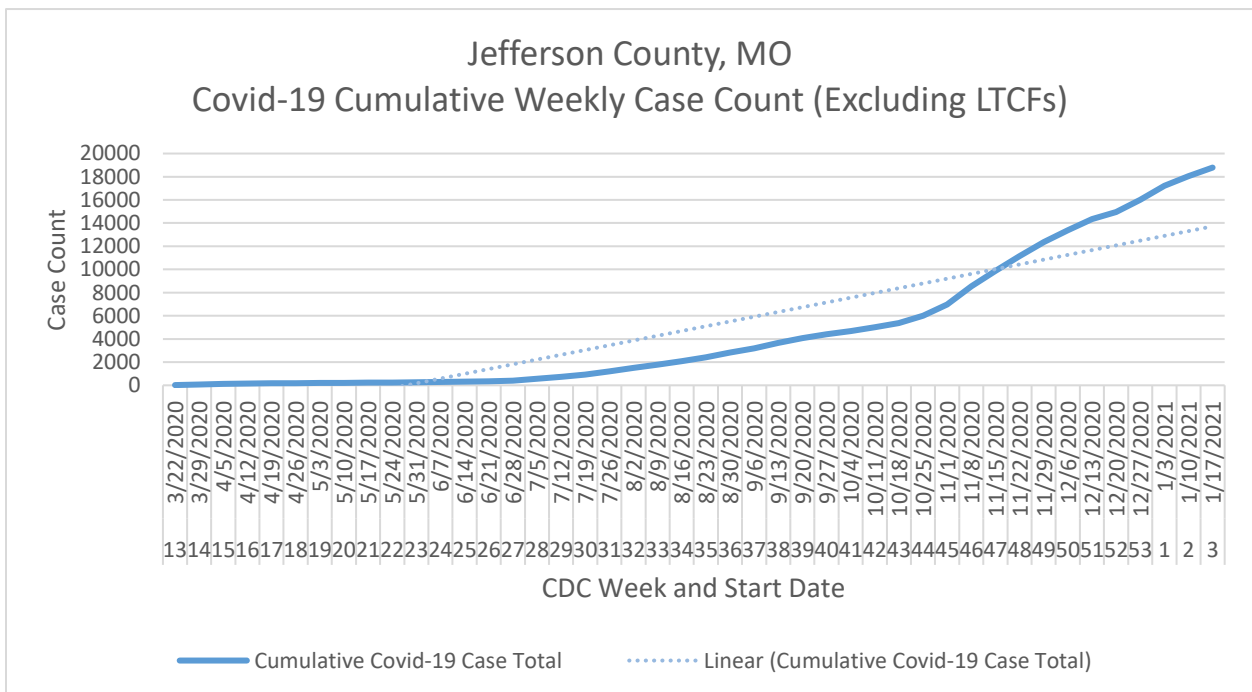


Figure 3. Covid-19 Daily Case Count and 7-Day Average (Excluding LTCFs), Jefferson County, Missouri

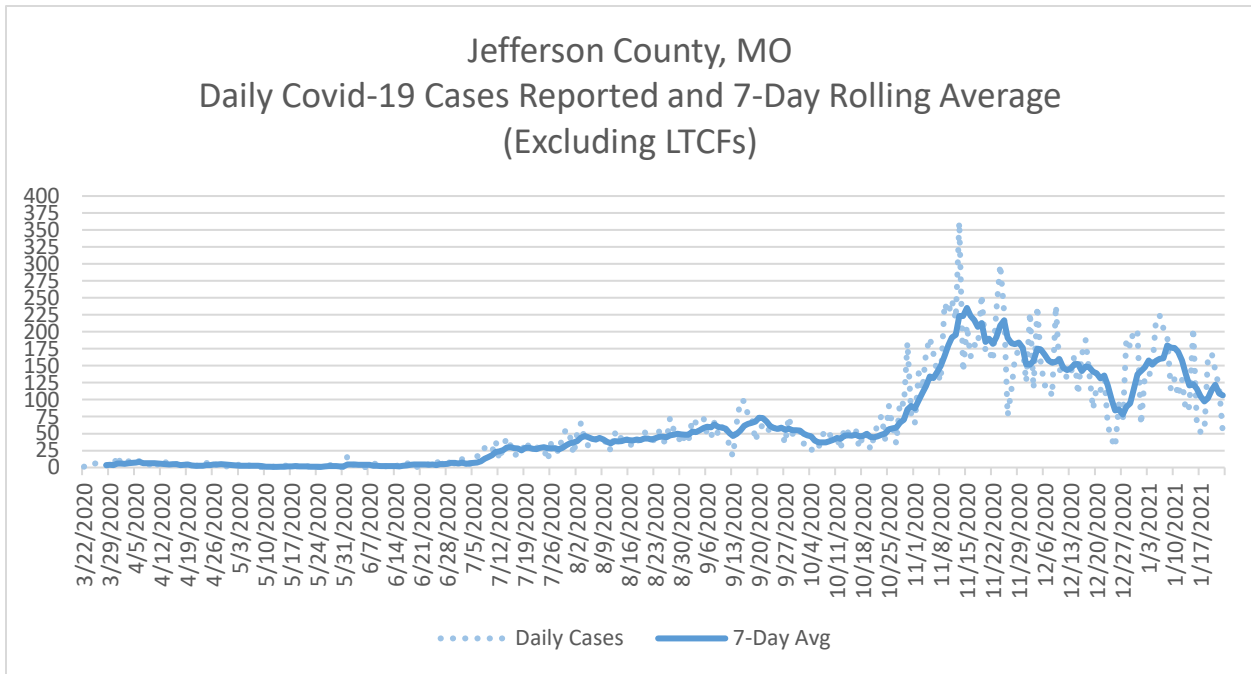


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates (Excluding LTCFs), Jefferson County, Missouri

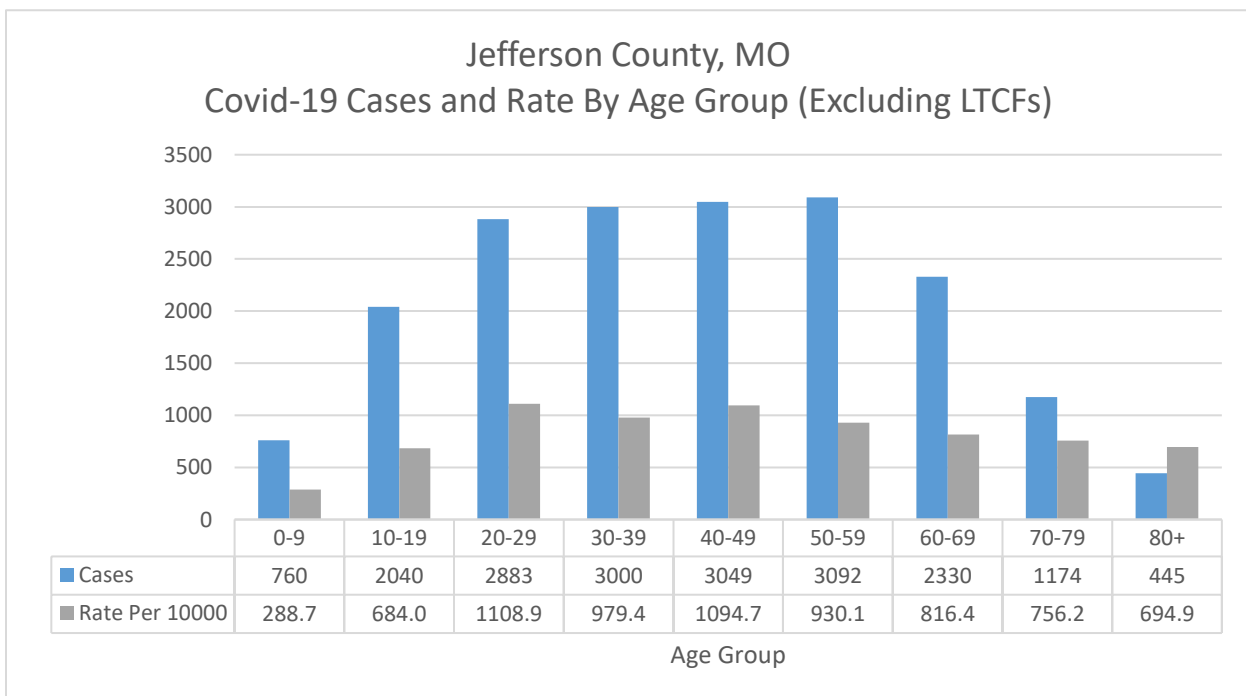


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group (Excluding LTCFs), Jefferson County, Missouri

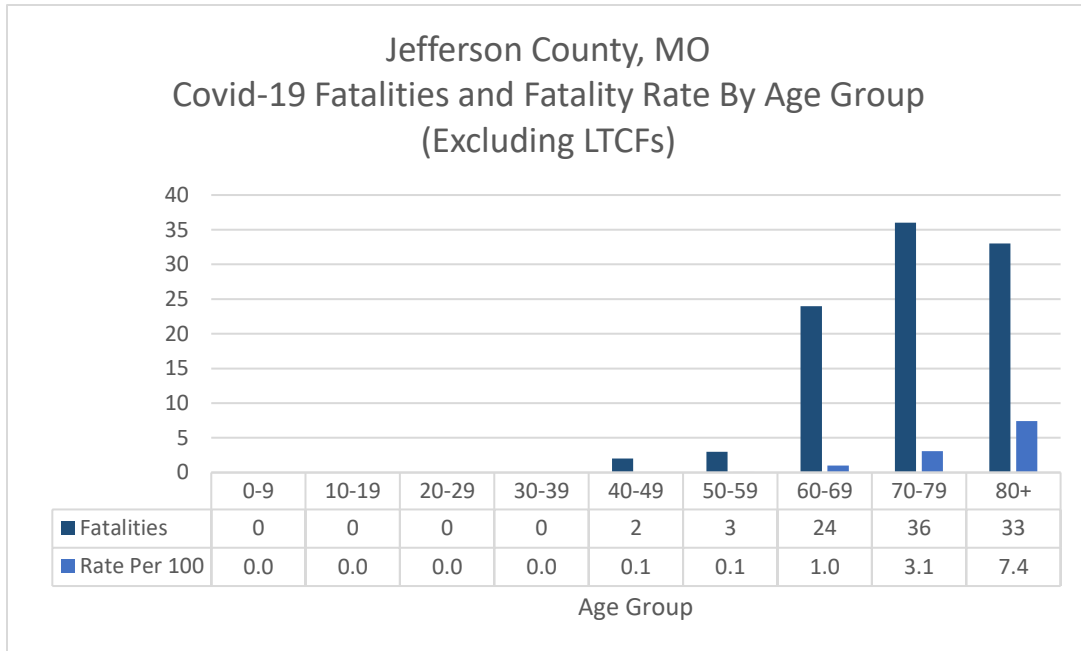


Table 2. Approximate Covid-19 Cumulative Fatality Rates (Excluding LTCFs)\*

<b>Jefferson County</b>	<b>.52%</b>

\*Missouri and United States data unavailable

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

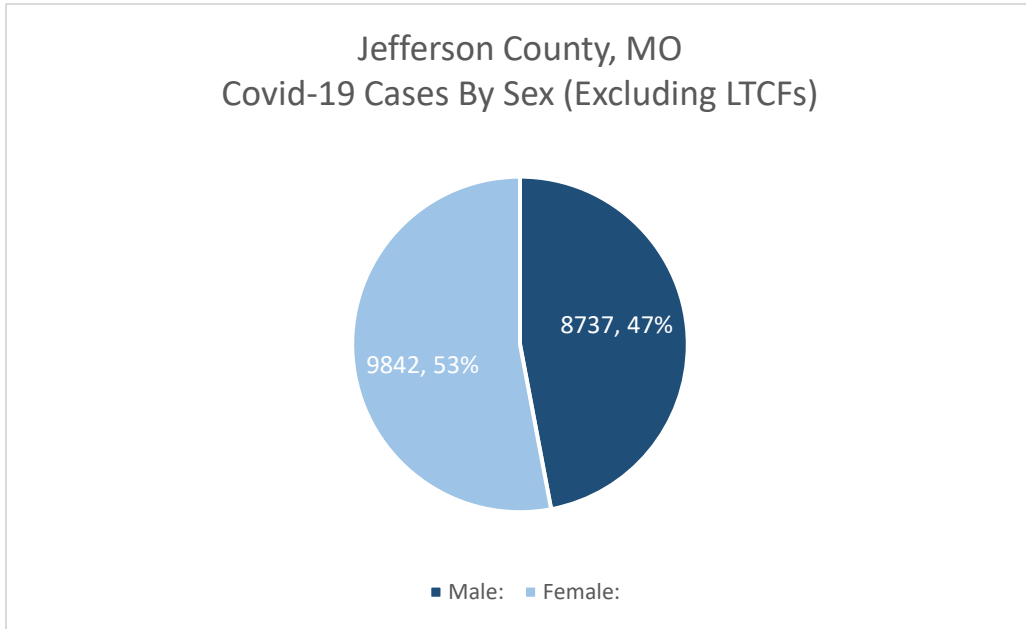


Figure 7. Covid-19 PCR Test Results by Week (Excluding LTCFs), Jefferson County, Missouri

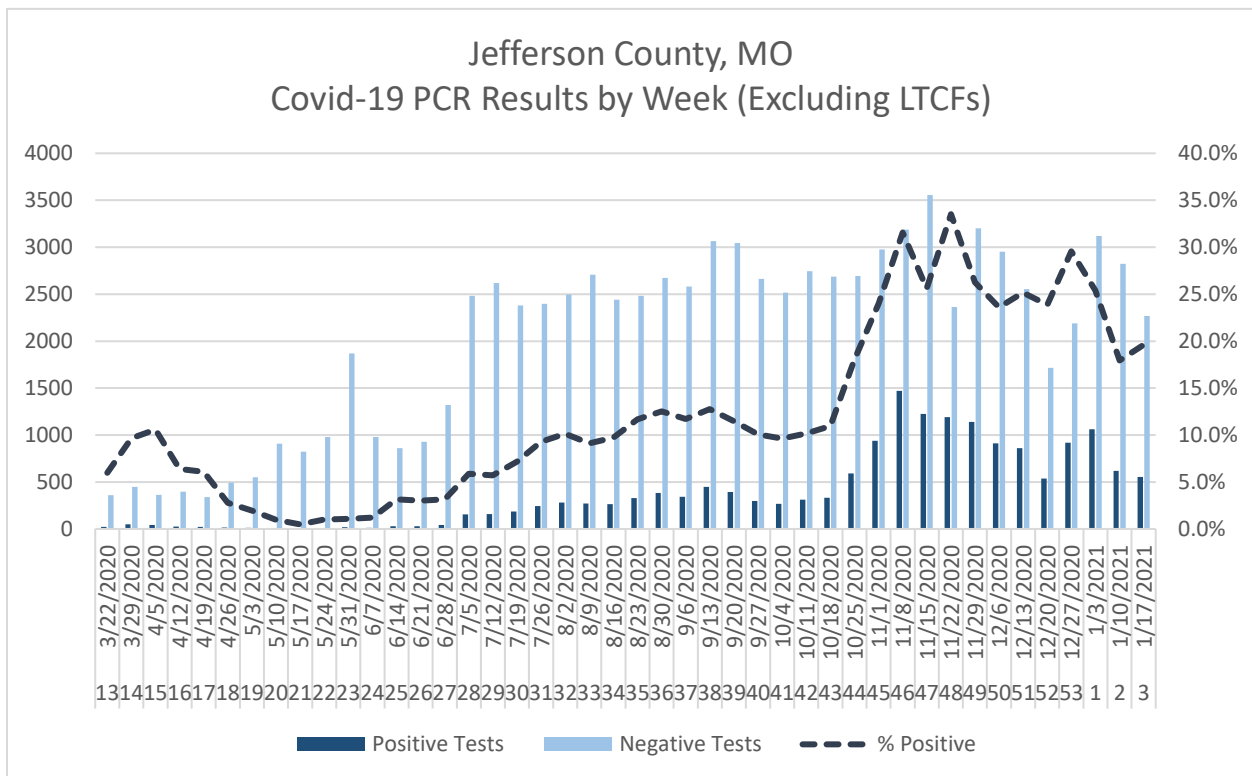


Table 3. Covid-19 PCR Test Results and Percent Positive by Week, Jefferson County (Excluding LTCFs), Missouri

CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
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	245	2396	2641	9.3%
32	8/2/2020	282	2497	2779	10.1%
33	8/9/2020	272	2707	2979	9.1%
34	8/16/2020	263	2440	2703	9.7%
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	331	2687	3018	11.0%
44	10/25/2020	592	2695	3287	18.0%
45	11/1/2020	940	2976	3916	24.0%
46	11/8/2020	1470	3188	4658	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	913	2954	3867	23.6%
51	12/13/2020	859	2555	3414	25.2%
52	12/20/2020	538	1717	2255	23.9%
53	12/27/2020	919	2189	3108	29.6%
1	1/3/2021	1063	3121	4184	25.4%
2	1/10/2021	618	2824	3442	18.0%
3	1/17/2021	553	2267	2820	19.6%

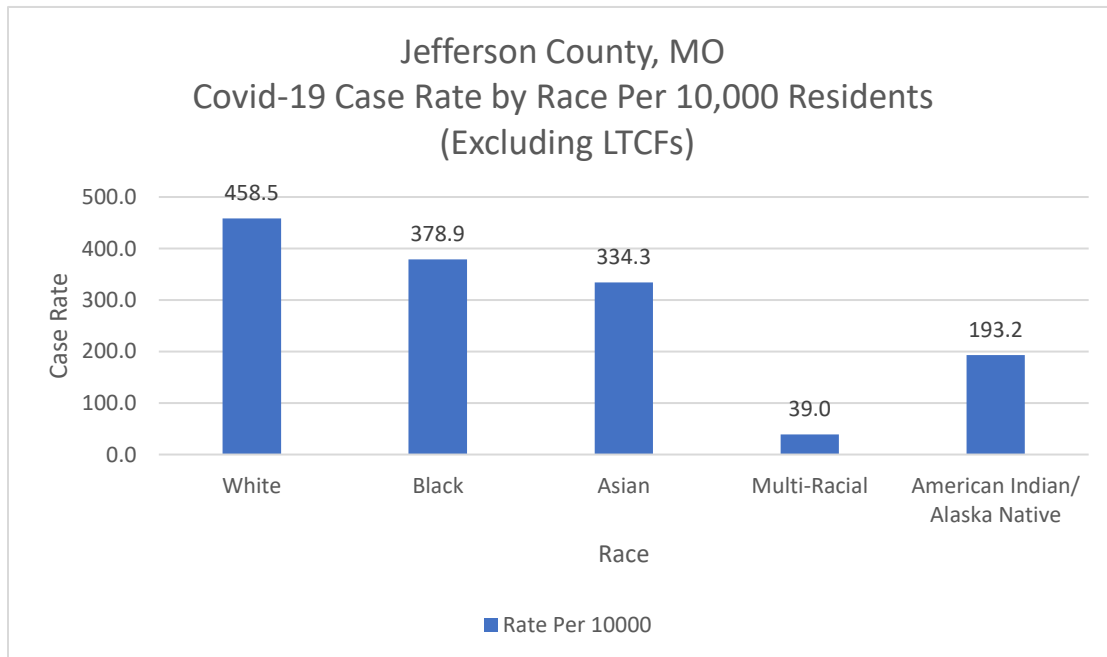


Table 4. Covid-19 Cases and Rate Per 10,000 by Race, Jefferson County (Excluding LTCFs), Missouri\*

Race	Cases	Rate Per 10000
White	9886	458.5
Black	102	378.9
Asian	60	334.3
Multi-Racial	14	39.0
American Indian/ Alaska Native	13	193.2
Unknown	3007	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 3: January 17- January 23**

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

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**SUMMARY:**

- During Week 3 a total of 107 confirmed and probable Covid-19 cases were reported in Jefferson County for the 0-19 year age group. A cumulative total of 2835 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
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	60	316
36	8/30/2020	65	381
37	9/6/2020	61	442
38	9/13/2020	93	535
39	9/20/2020	68	603
40	9/27/2020	52	655
41	10/4/2020	32	687
42	10/11/2020	41	728
43	10/18/2020	47	775
44	10/25/2020	97	872
45	11/1/2020	159	1031
46	11/8/2020	243	1274
47	11/15/2020	204	1478
48	11/22/2020	158	1636
49	11/29/2020	178	1814
50	12/6/2020	161	1975
51	12/13/2020	159	2134
52	12/20/2020	91	2225
53	12/27/2020	140	2365
1	1/3/2021	219	2584
2	1/10/2021	144	2728
3	1/17/2021	107	2835

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

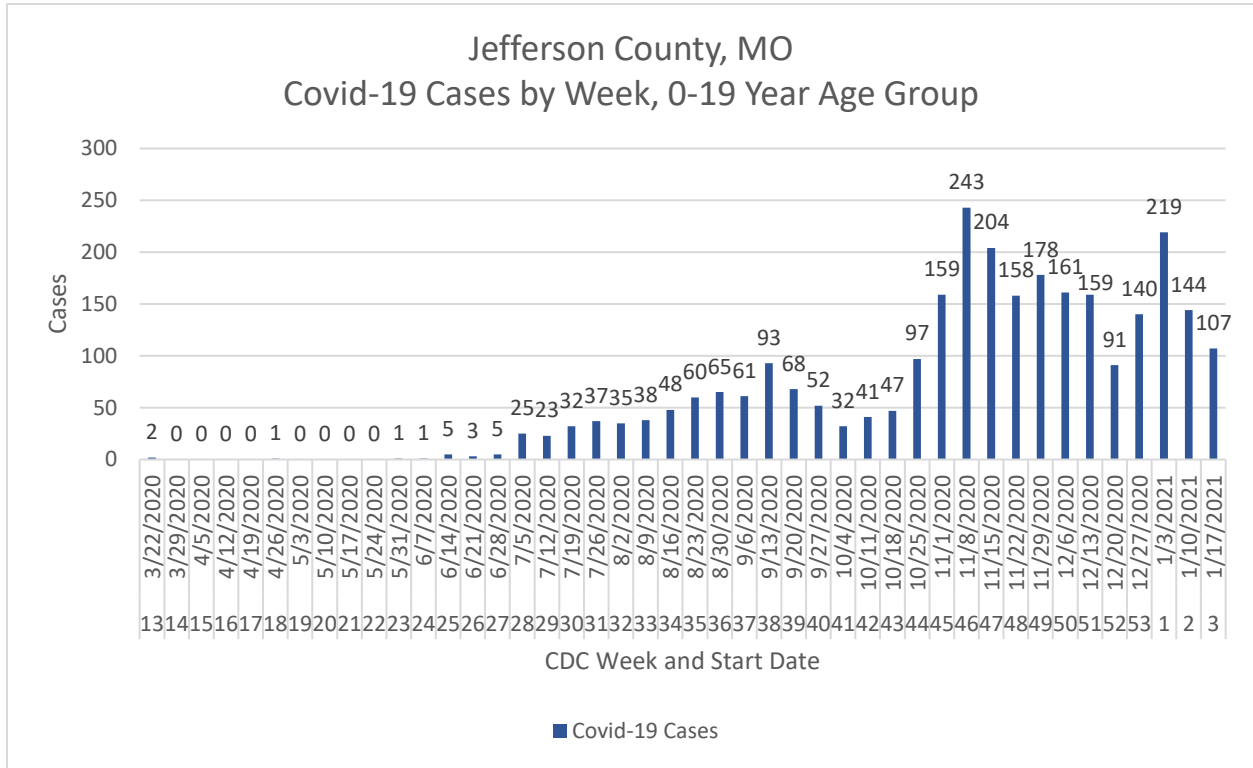


Table 2. Covid-19 Cases by Age Group, Jefferson County, Missouri

Age Group	Cases	Percent
0-9	760	3.79%
10-19	2075	10.36%
20+	17183	85.77%

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

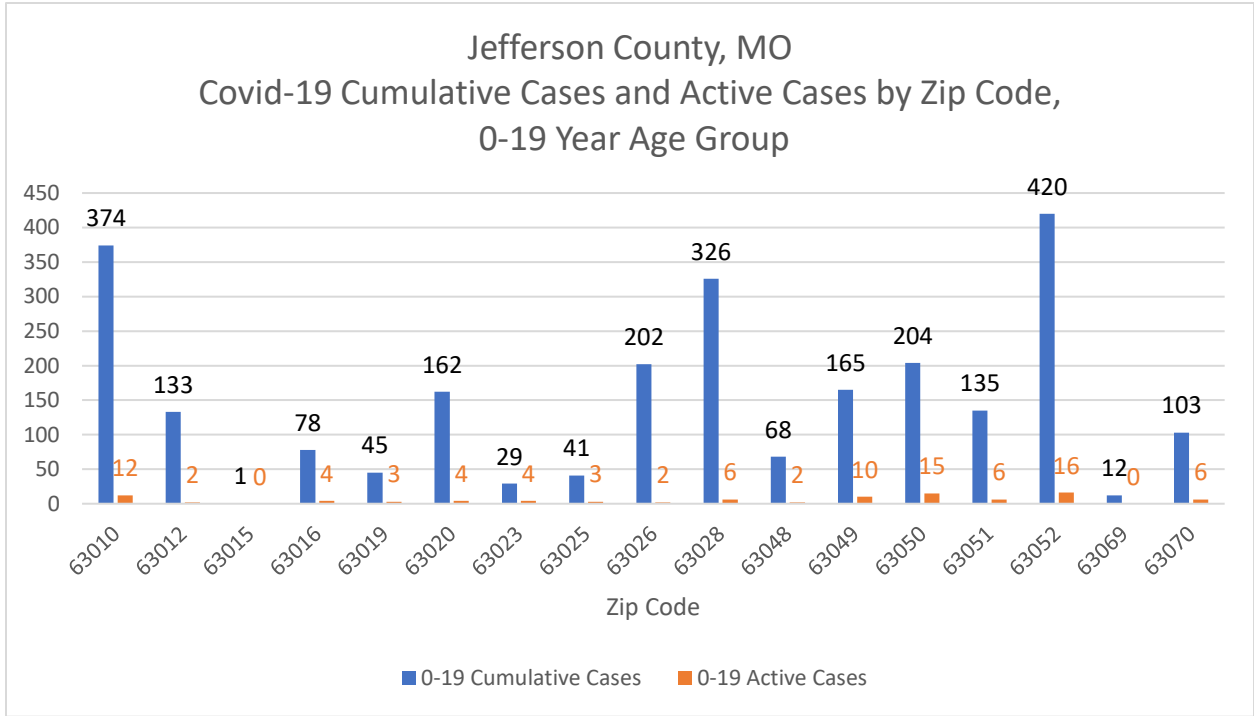


Figure 3. Covid-19 Cases by Age-Based Grade Levels, Jefferson County, Missouri

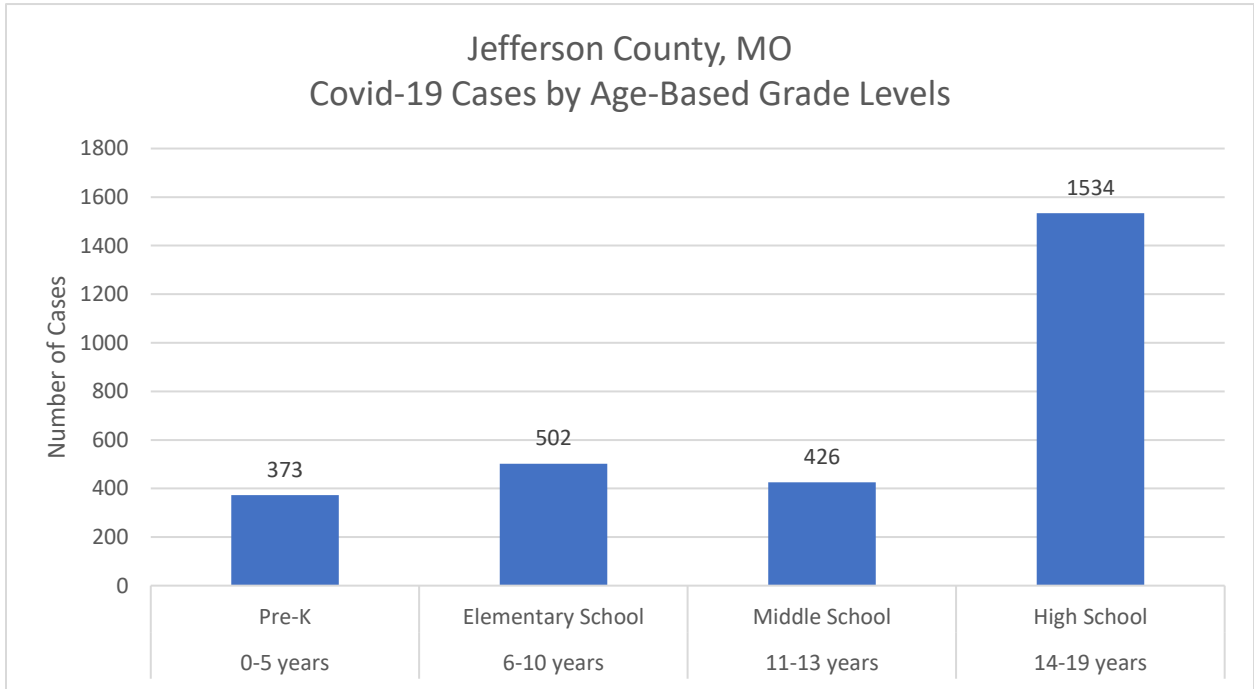


Figure 4. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Pre-K Age Group, Jefferson County, Missouri

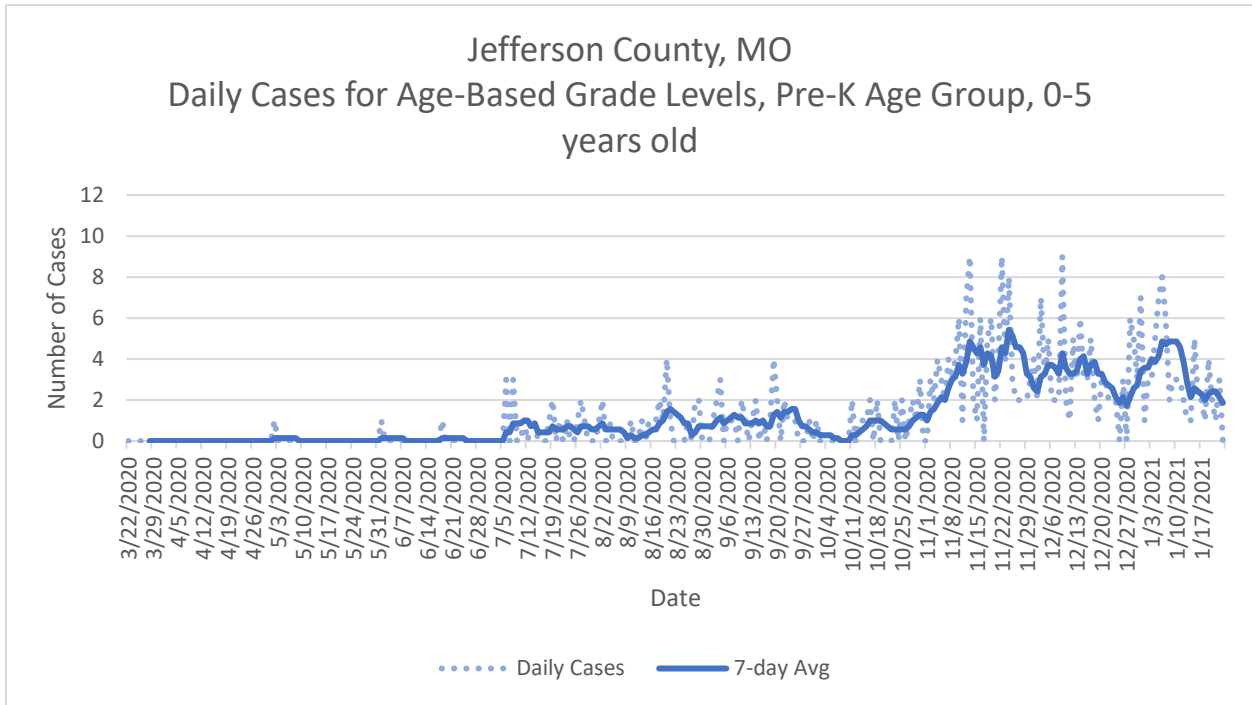


Figure 5. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Elementary School Age Group, Jefferson County, Missouri

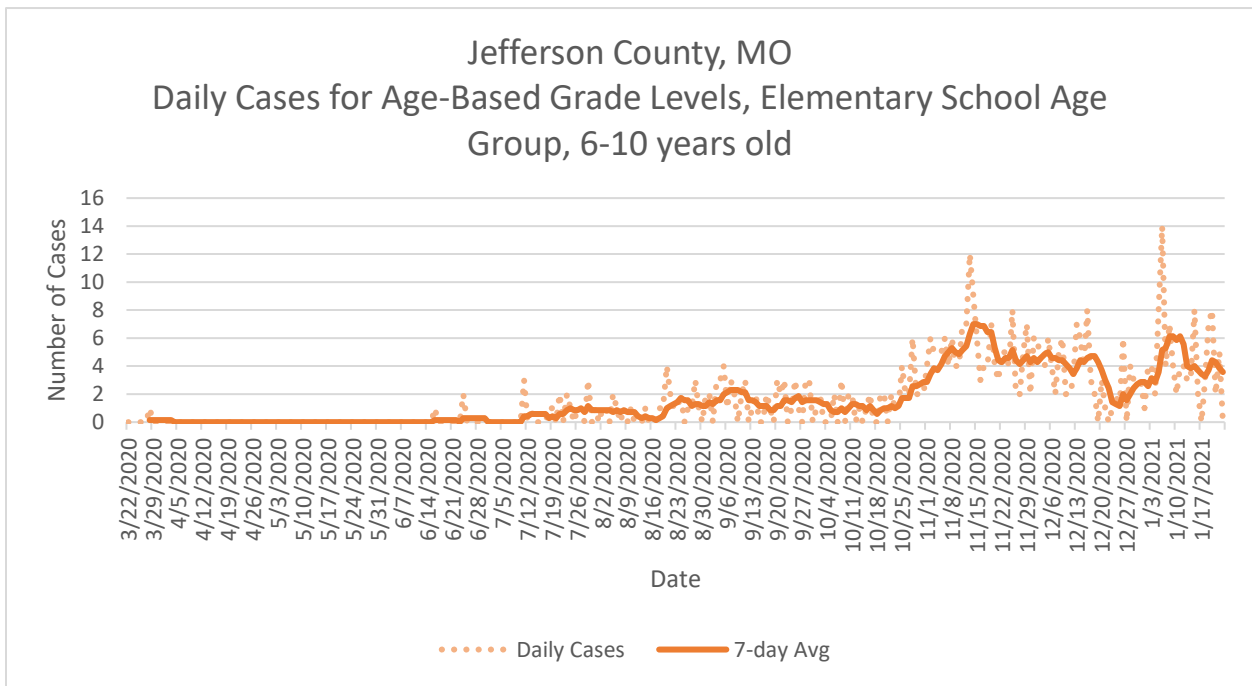


Figure 6. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Middle School Age Group, Jefferson County, Missouri

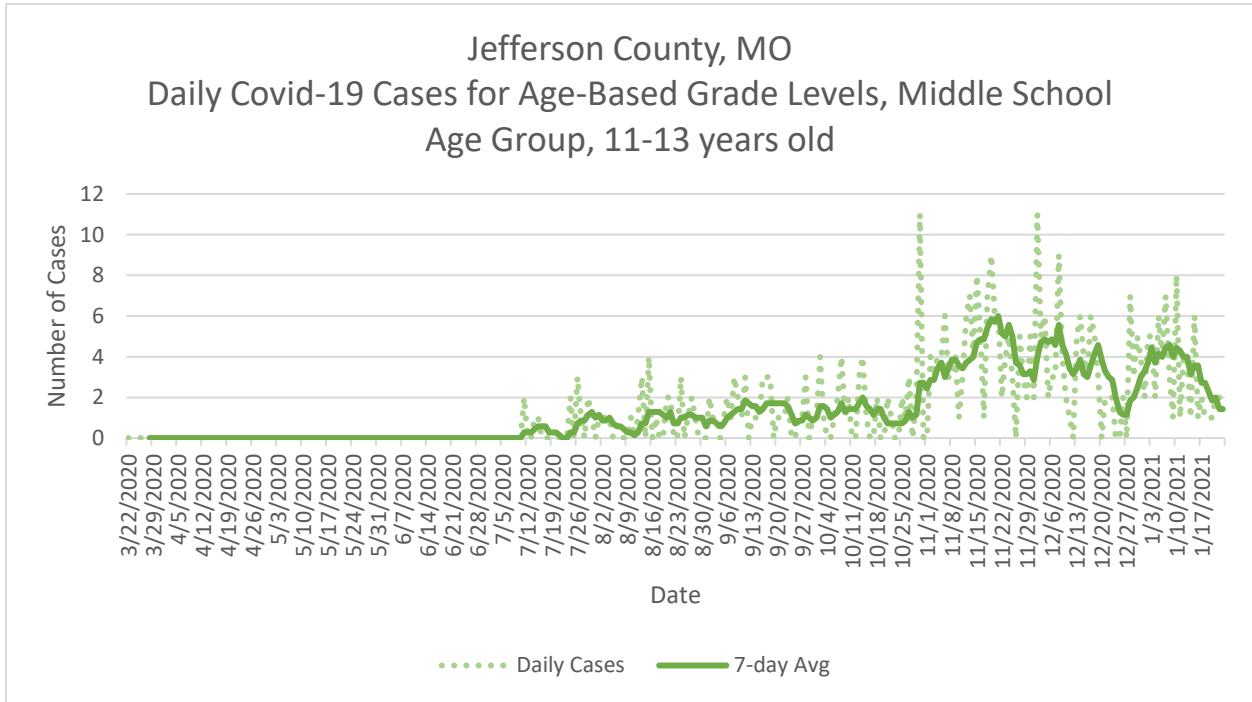


Figure 7. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, High School Age Group, Jefferson County, Missouri

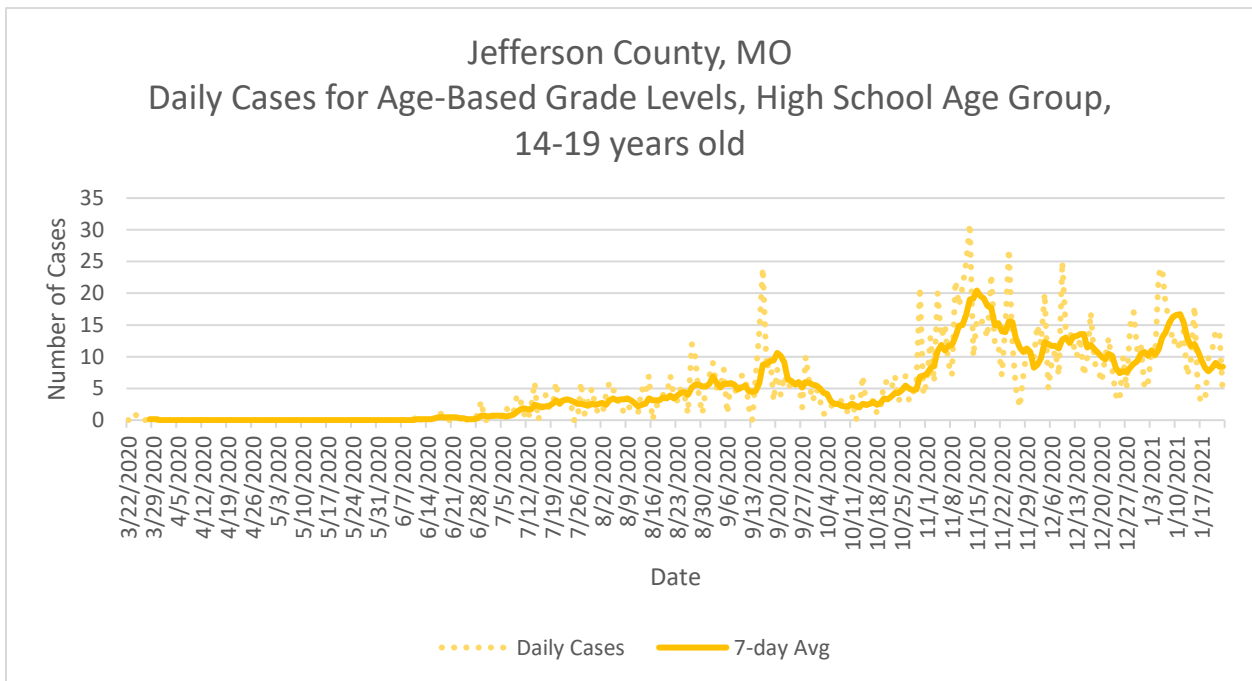


Figure 8. Overlay of 7-Day Rolling Average of Daily Covid-19 Cases for all Age-Based Grade Levels, Jefferson County, Missouri

