



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 53: December 27, 2020- January 2, 2021

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

SUMMARY:

- During Week 53 a total of 1085 confirmed and probable Covid-19 cases were reported in Jefferson County. A year-to-date total of 17206 confirmed and probable Covid-19 cases have been reported in Jefferson County as of Week 53.
- One hundred thirty-three Covid-19 associated deaths have been reported in Jefferson County as of Week 53.
- Twenty-five 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
13	3/22/2020	25	25
14	3/29/2020	52	77
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	64	539
27	6/28/2020	45	584
28	7/5/2020	166	750
29	7/12/2020	180	930
30	7/19/2020	255	1185
31	7/26/2020	313	1498
32	8/2/2020	328	1826
33	8/9/2020	327	2153
34	8/16/2020	322	2475
35	8/23/2020	410	2885
36	8/30/2020	433	3318
37	9/6/2020	388	3706
38	9/13/2020	496	4202
39	9/20/2020	440	4642
40	9/27/2020	351	4993
41	10/4/2020	307	5300
42	10/11/2020	344	5644
43	10/18/2020	366	6010
44	10/25/2020	667	6677
45	11/1/2020	1031	7708
46	11/8/2020	1636	9344
47	11/15/2020	1386	10730
48	11/22/2020	1332	12062
49	11/29/2020	1303	13365
50	12/6/2020	1090	14455
51	12/13/2020	1047	15502
52	12/20/2020	619	16121
53	12/27/2020	1085	17206

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

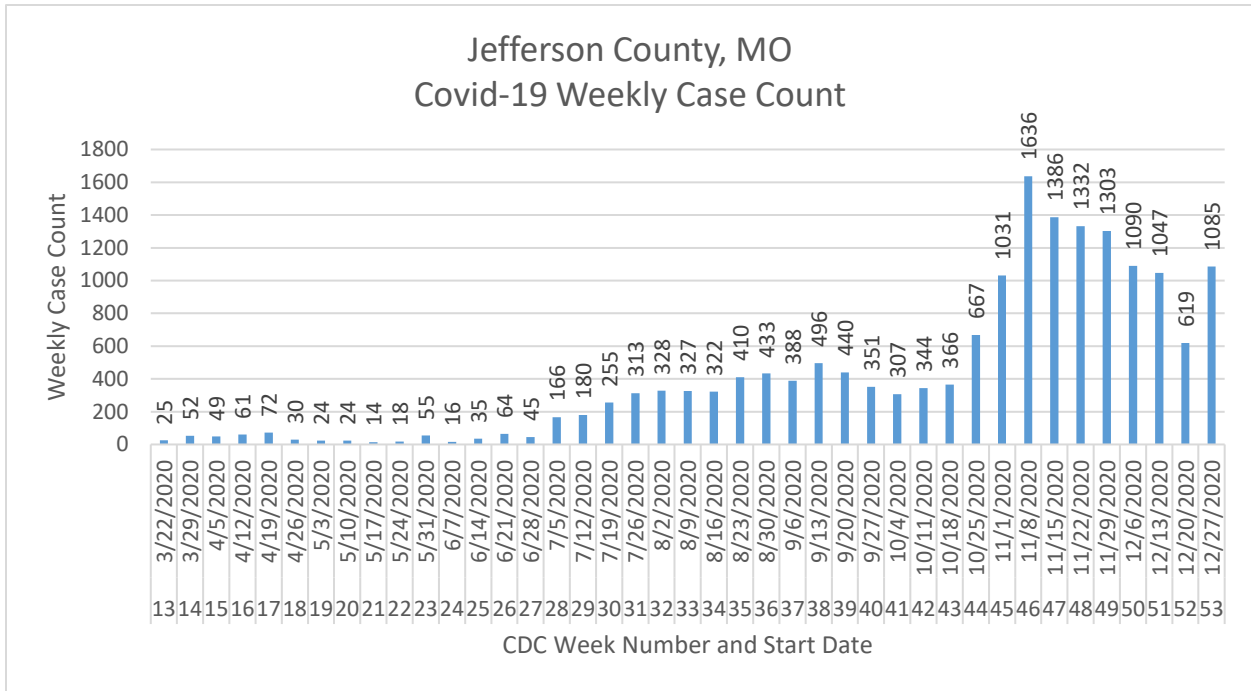


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week, Jefferson County, Missouri

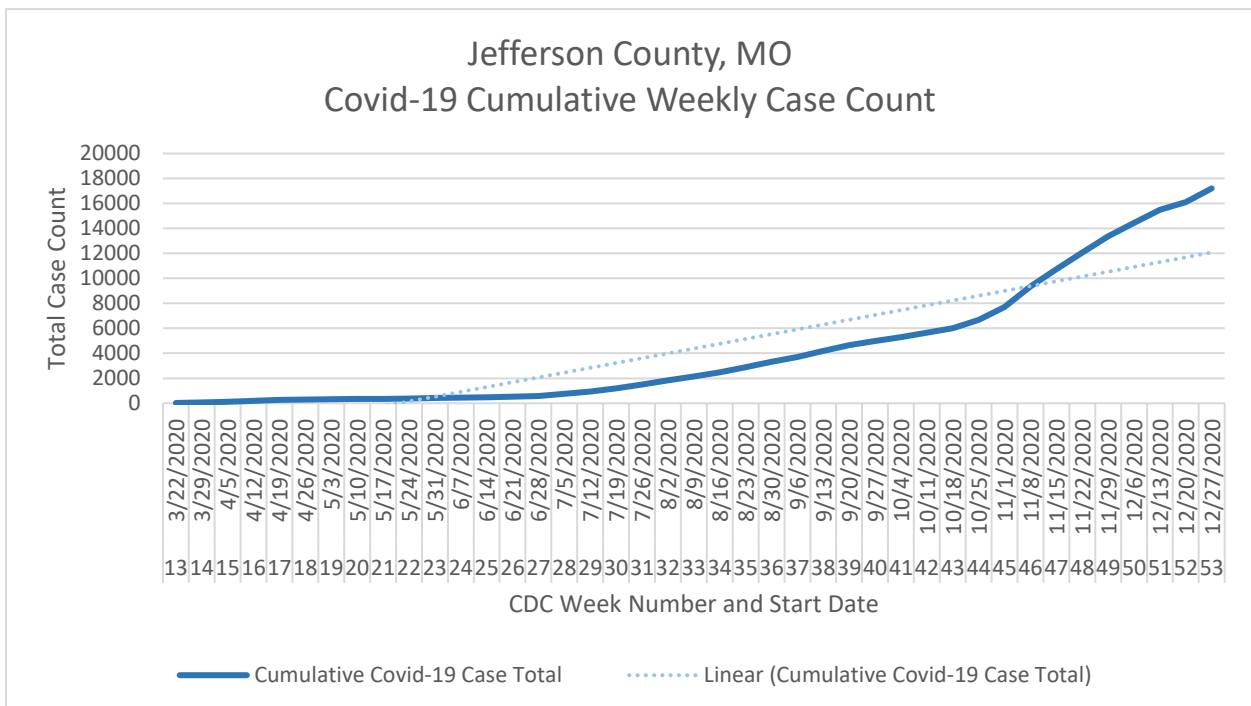


Figure 3. Covid-19 Daily Case Count and 7-Day Average, Jefferson County, Missouri

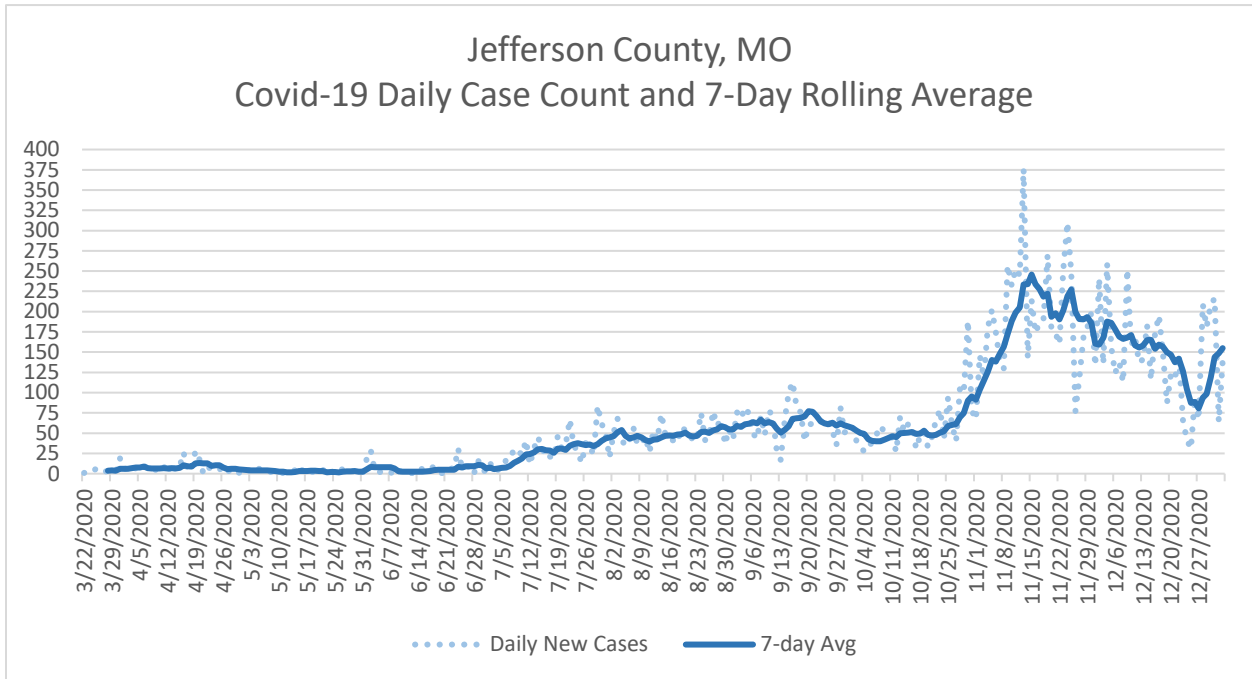


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates, Jefferson County, Missouri

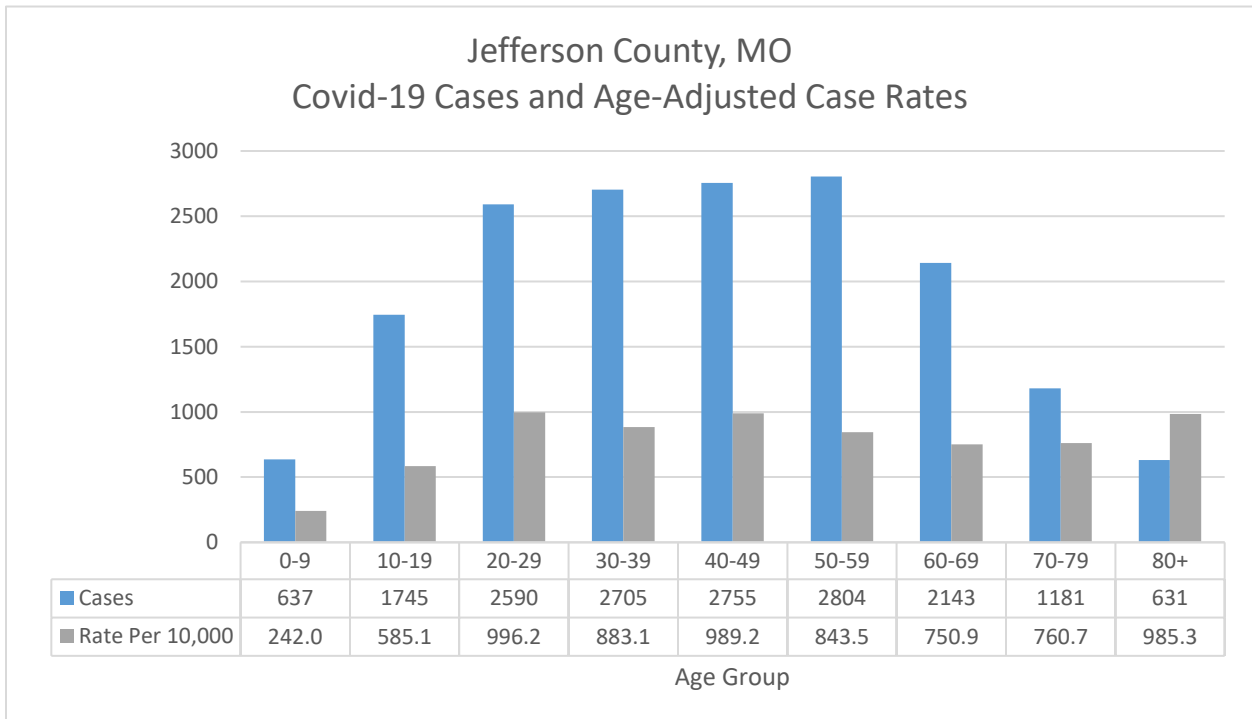


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group, Jefferson County, Missouri

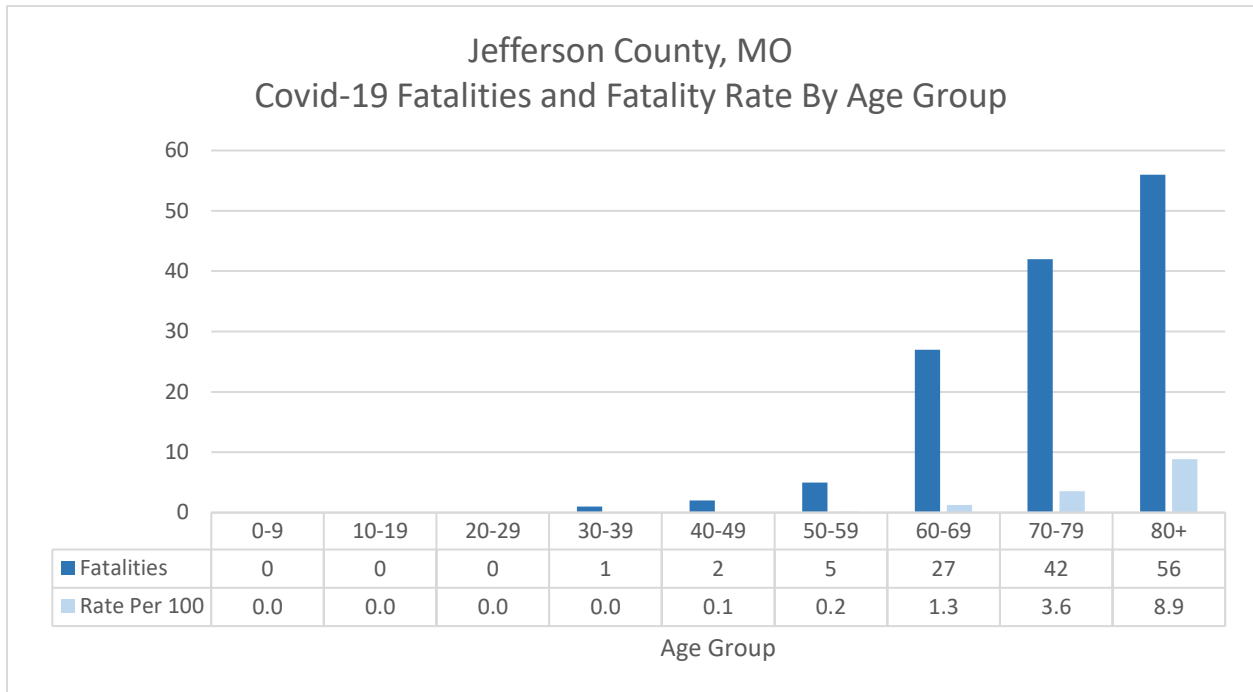


Table 2. Approximate Covid-19 Cumulative Fatality Rates

Jefferson County	0.77%
Missouri	1.44%
US	1.71%

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

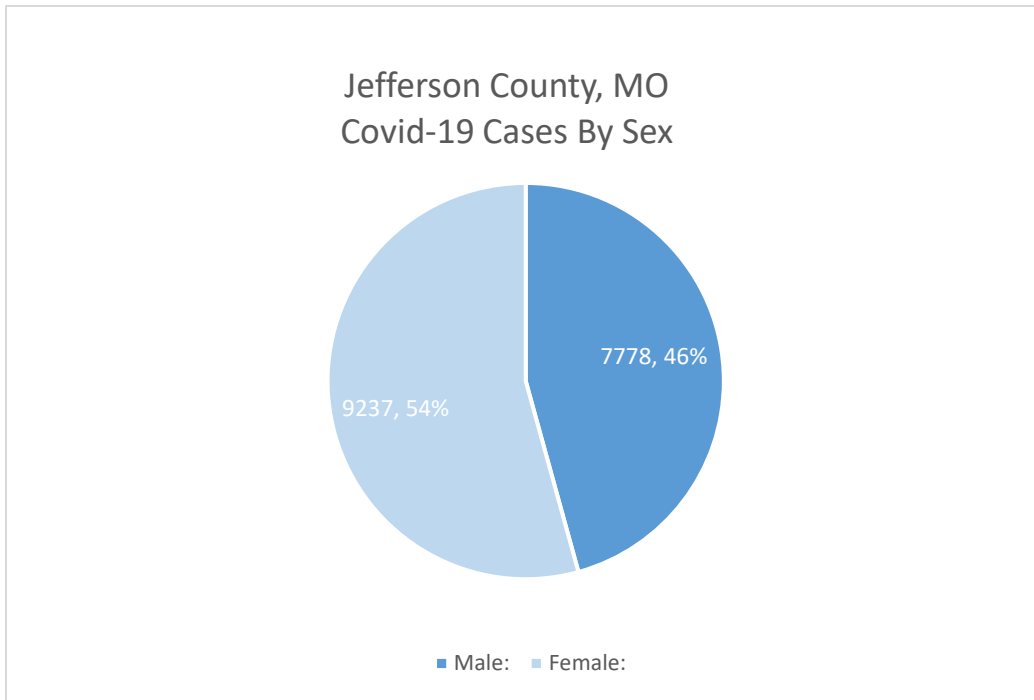


Figure 7. Covid-19 PCR Test Results by Week, Jefferson County, Missouri

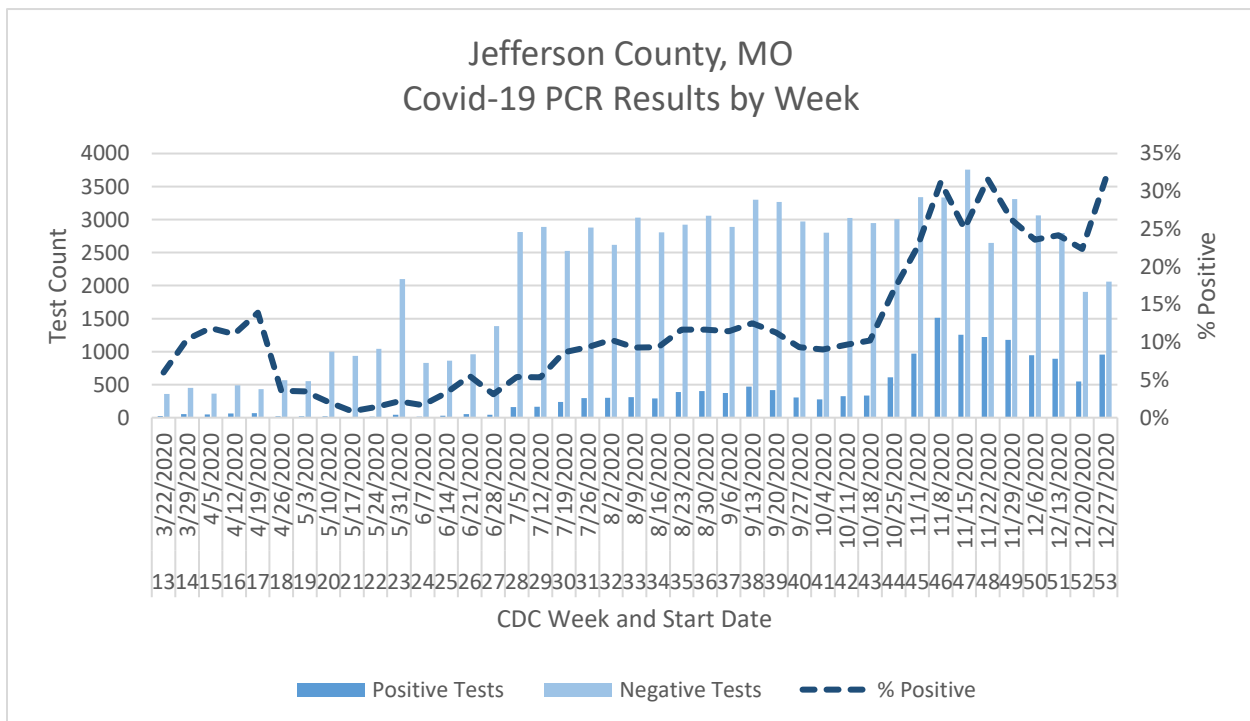


Table 3. Covid-19 PCR Test Results and Percent Positive
by Week, Jefferson County, Missouri

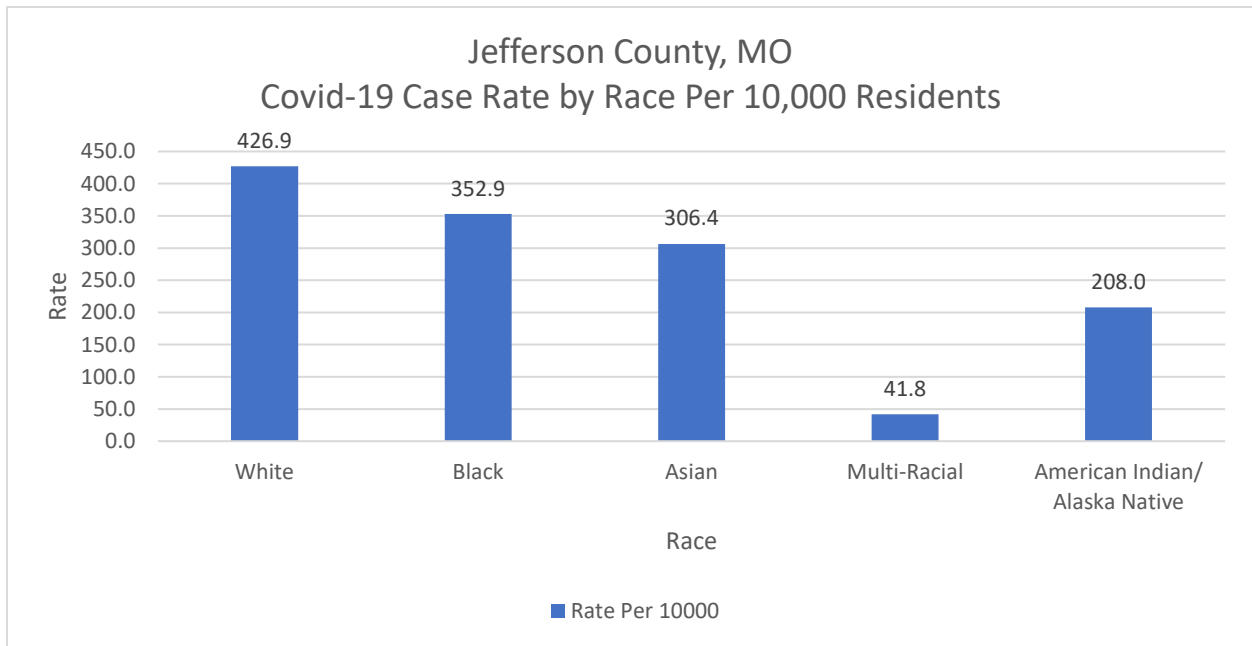
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
13	3/22/2020	23	361	384	6.0%
14	3/29/2020	52	449	501	10.4%
15	4/5/2020	49	363	412	11.9%
16	4/12/2020	61	490	551	11.1%
17	4/19/2020	70	433	503	13.9%
18	4/26/2020	21	566	587	3.6%
19	5/3/2020	20	553	573	3.5%
20	5/10/2020	21	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	56	959	1015	5.5%
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	239	2525	2764	8.6%
31	7/26/2020	296	2878	3174	9.3%
32	8/2/2020	300	2615	2915	10.3%
33	8/9/2020	310	3030	3340	9.3%
34	8/16/2020	289	2807	3096	9.3%
35	8/23/2020	386	2923	3309	11.7%
36	8/30/2020	404	3057	3461	11.7%
37	9/6/2020	373	2889	3262	11.4%
38	9/13/2020	472	3302	3774	12.5%
39	9/20/2020	416	3266	3682	11.3%
40	9/27/2020	306	2972	3278	9.3%
41	10/4/2020	278	2800	3078	9.0%
42	10/11/2020	324	3022	3346	9.7%
43	10/18/2020	336	2946	3282	10.2%
44	10/25/2020	611	3005	3616	16.9%
45	11/1/2020	971	3340	4311	22.5%
46	11/8/2020	1514	3334	4848	31.2%
47	11/15/2020	1255	3754	5009	25.1%
48	11/22/2020	1221	2644	3865	31.6%
49	11/29/2020	1178	3309	4487	26.3%
50	12/6/2020	945	3062	4007	23.6%
51	12/13/2020	891	2798	3689	24.2%
52	12/20/2020	548	1905	2453	22.3%
53	12/27/2020	953	2060	3013	31.6%

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

Race	Cases	Rate Per 10000
White	9204	426.9
Black	95	352.9
Asian	55	306.4
Multi-Racial	15	41.8
American Indian/ Alaska Native	14	208.0
Unknown	2379	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

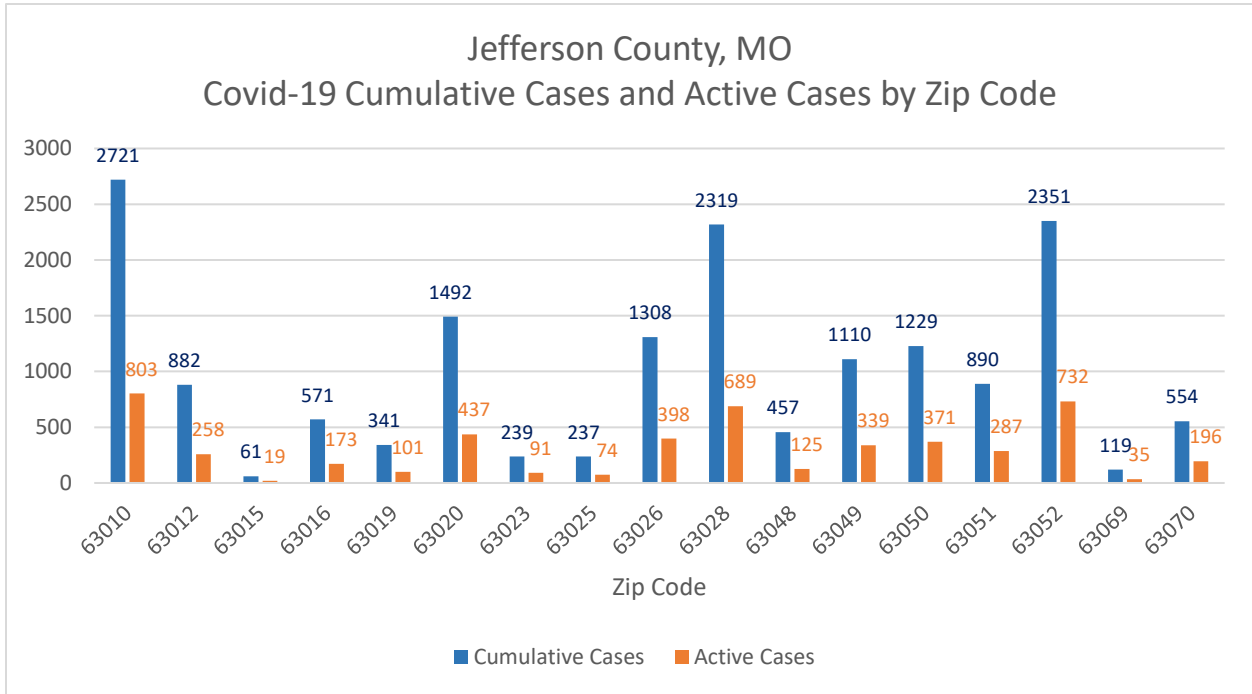
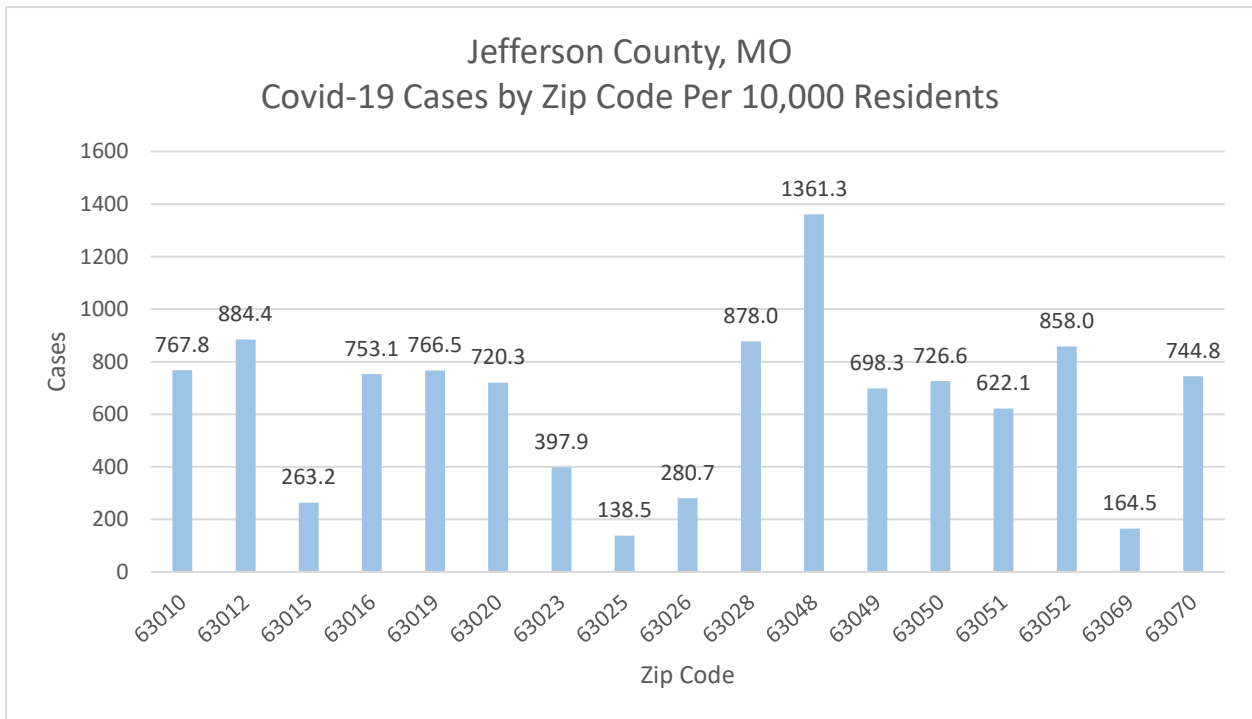


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County, Missouri





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 53: December 27, 2020- January 2, 2021

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

SUMMARY:

-This is a revised version of the Week 53 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
14	3/29/2020	48	73
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	37	351
27	6/28/2020	44	395
28	7/5/2020	161	556
29	7/12/2020	176	732
30	7/19/2020	201	933
31	7/26/2020	262	1195
32	8/2/2020	306	1501
33	8/9/2020	286	1787
34	8/16/2020	292	2079
35	8/23/2020	351	2430
36	8/30/2020	406	2836
37	9/6/2020	358	3194
38	9/13/2020	473	3667
39	9/20/2020	412	4079
40	9/27/2020	331	4410
41	10/4/2020	285	4695
42	10/11/2020	325	5020
43	10/18/2020	351	5371
44	10/25/2020	637	6008
45	11/1/2020	996	7004
46	11/8/2020	1574	8578
47	11/15/2020	1341	9919
48	11/22/2020	1276	11195
49	11/29/2020	1232	12427
50	12/6/2020	1019	13446
51	12/13/2020	1005	14451
52	12/20/2020	605	15056
53	12/27/2020	1051	16107

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

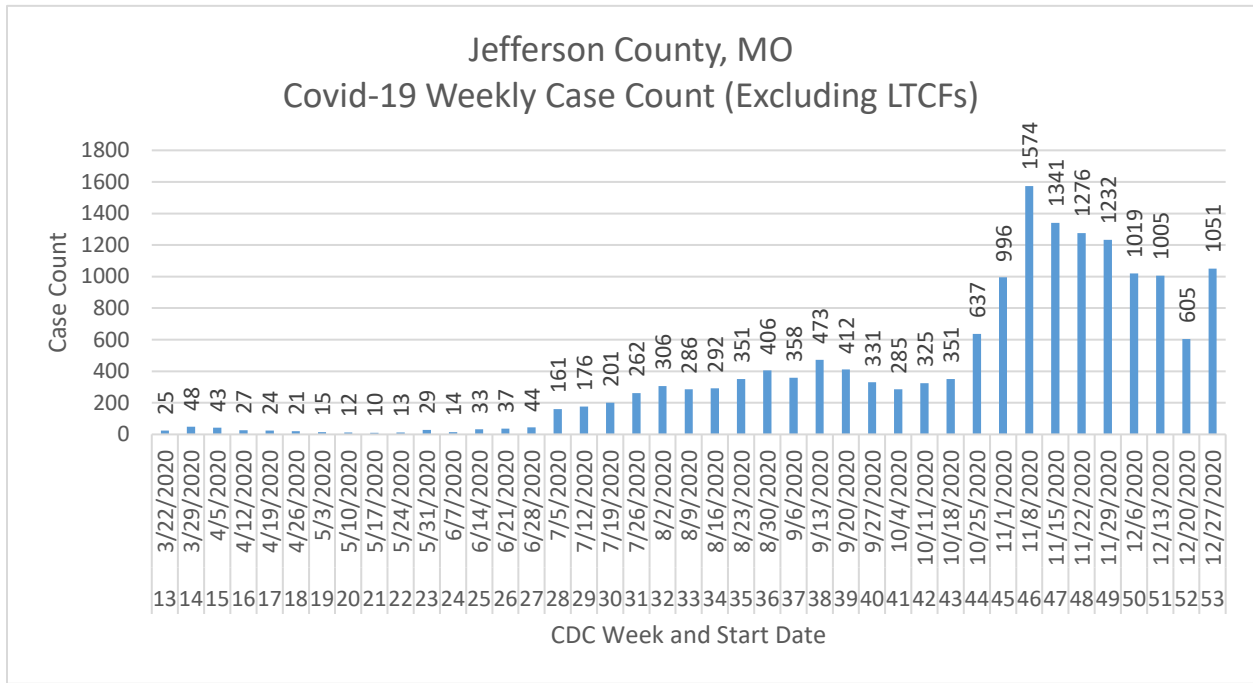


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week (Excluding LTCFs), Jefferson County, Missouri

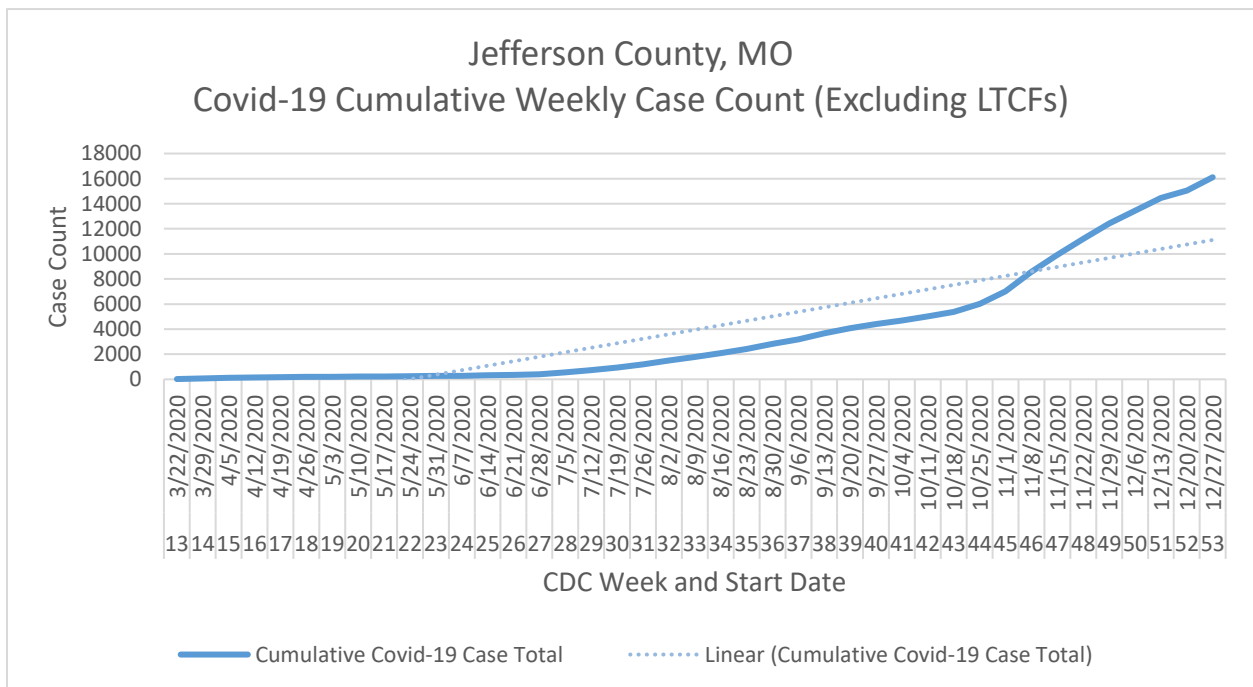


Figure 3. Covid-19 Daily Case Count and 7-Day Average (Excluding LTCFs), Jefferson County, Missouri

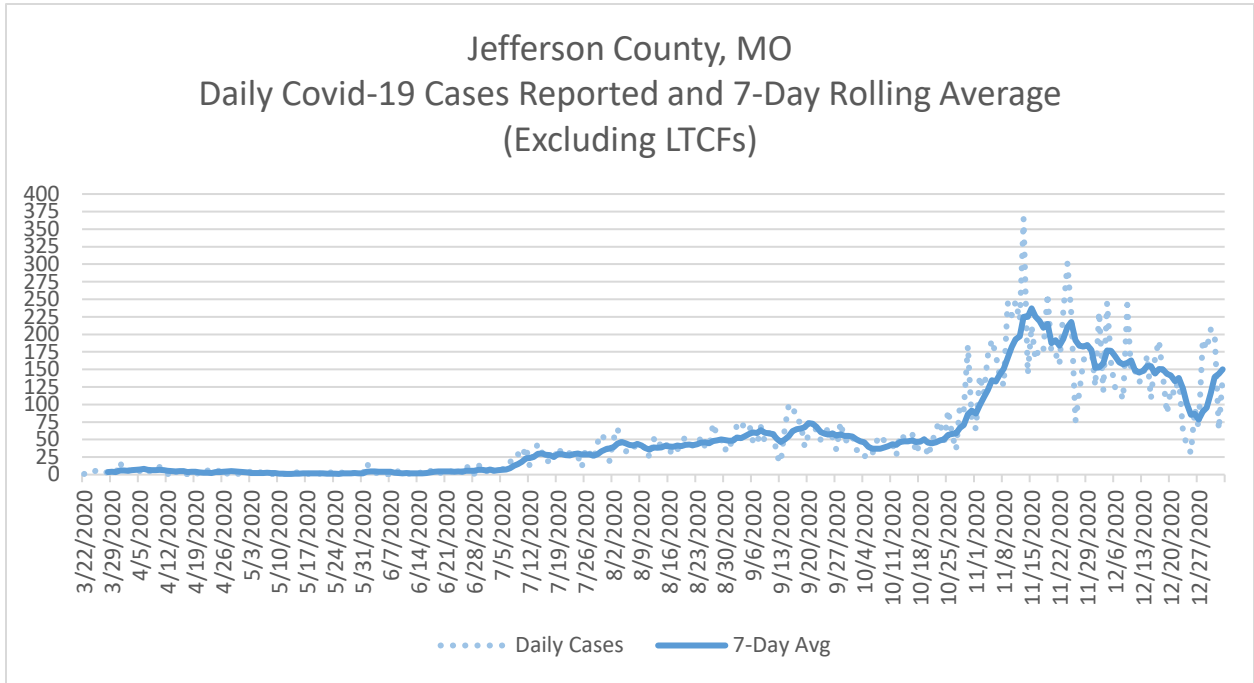


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates (Excluding LTCFs), Jefferson County, Missouri

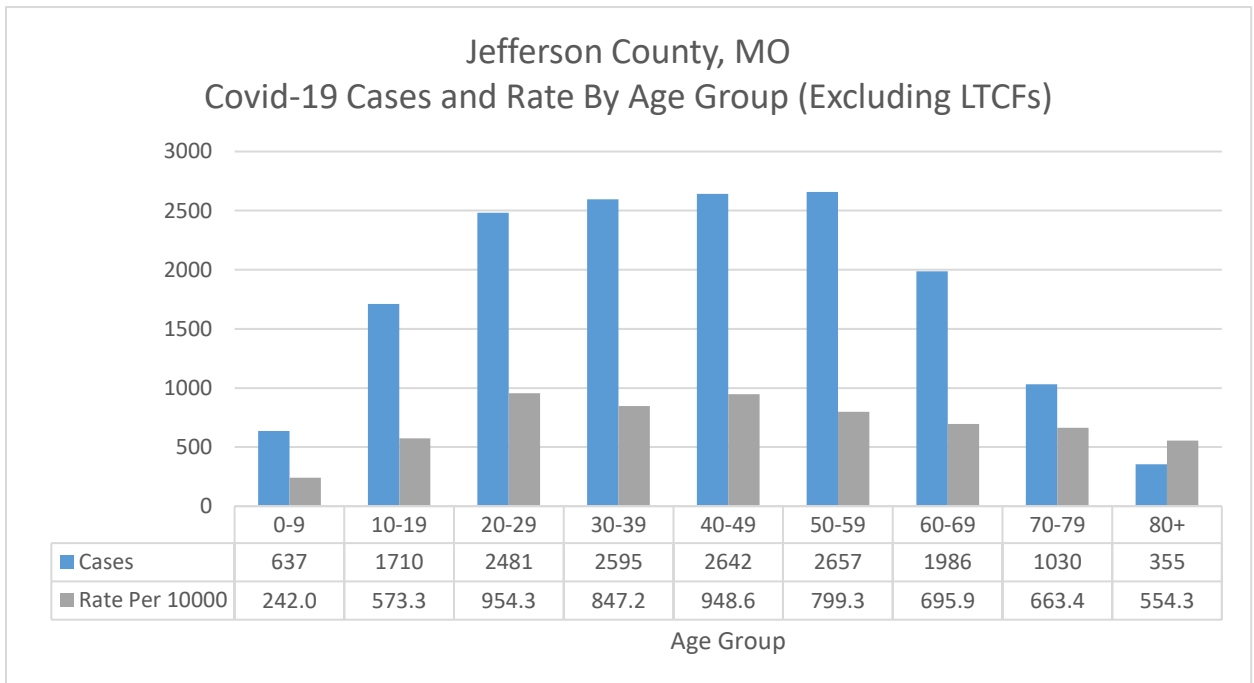


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group (Excluding LTCFs), Jefferson County, Missouri

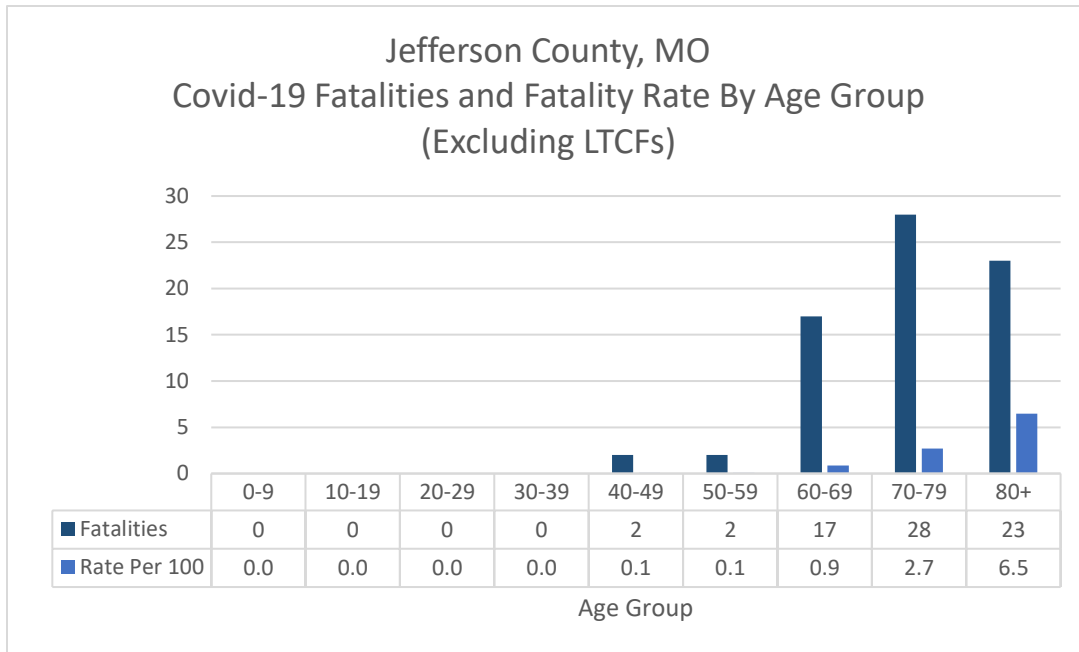


Table 2. Approximate Covid-19 Cumulative Fatality Rates (Excluding LTCFs)*

Jefferson County	.45%

*Missouri and United States data unavailable

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

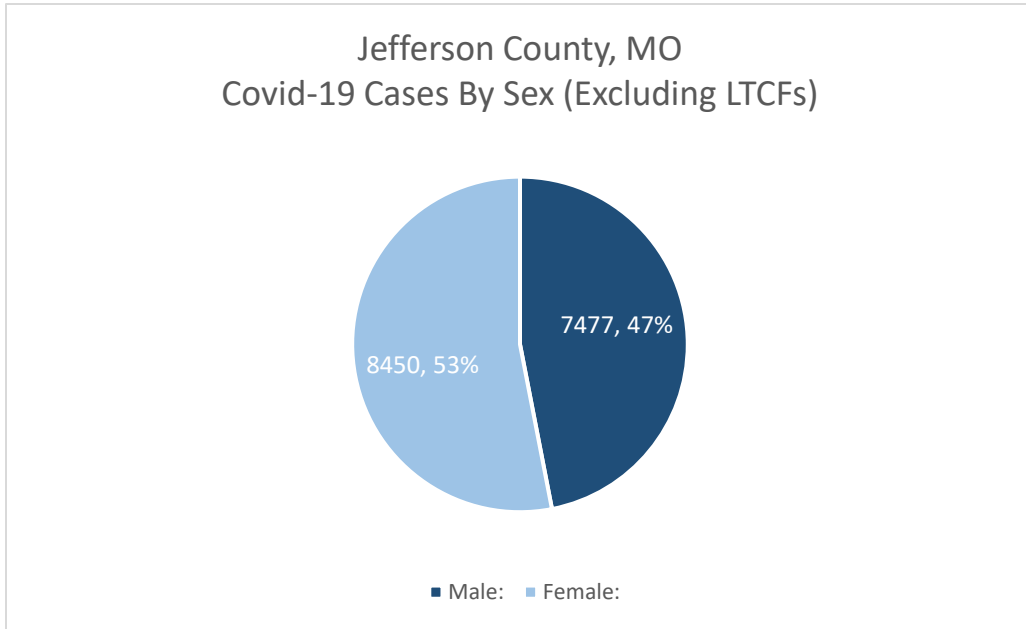


Figure 7. Covid-19 PCR Test Results by Week (Excluding LTCFs), Jefferson County, Missouri

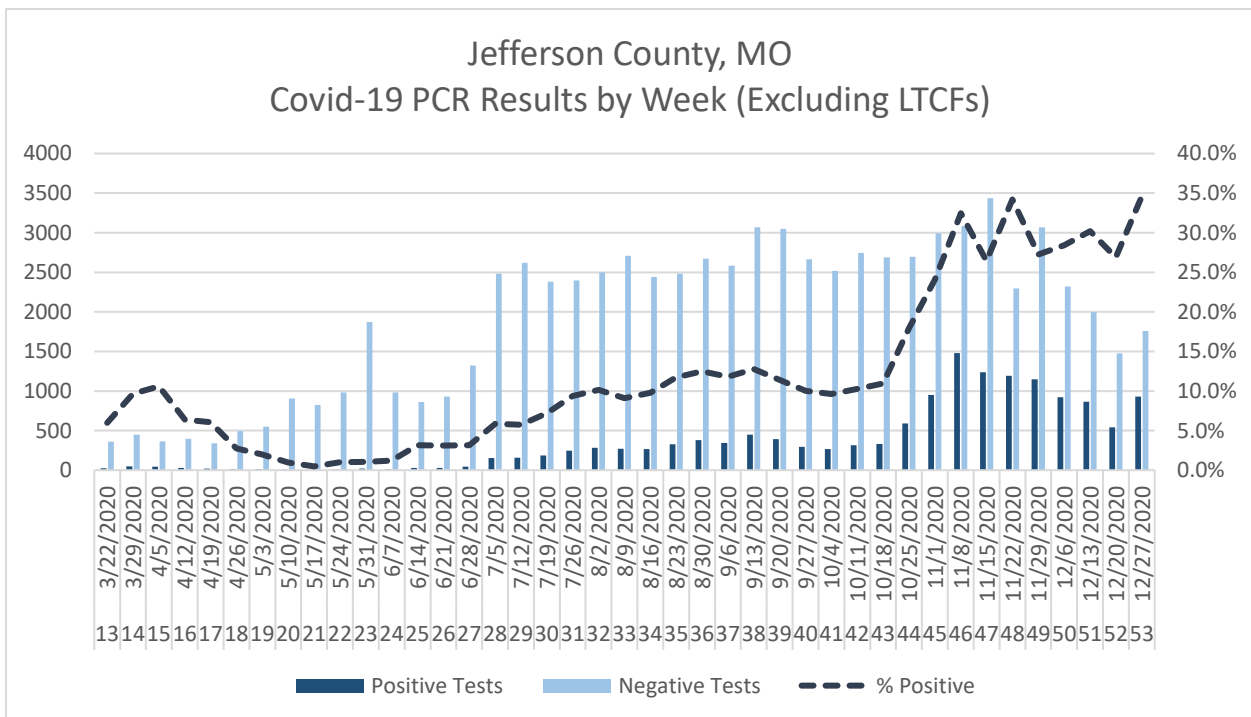


Table 3. Covid-19 PCR Test Results and Percent Positive
by Week, Jefferson County (Excluding LTCFs),
Missouri

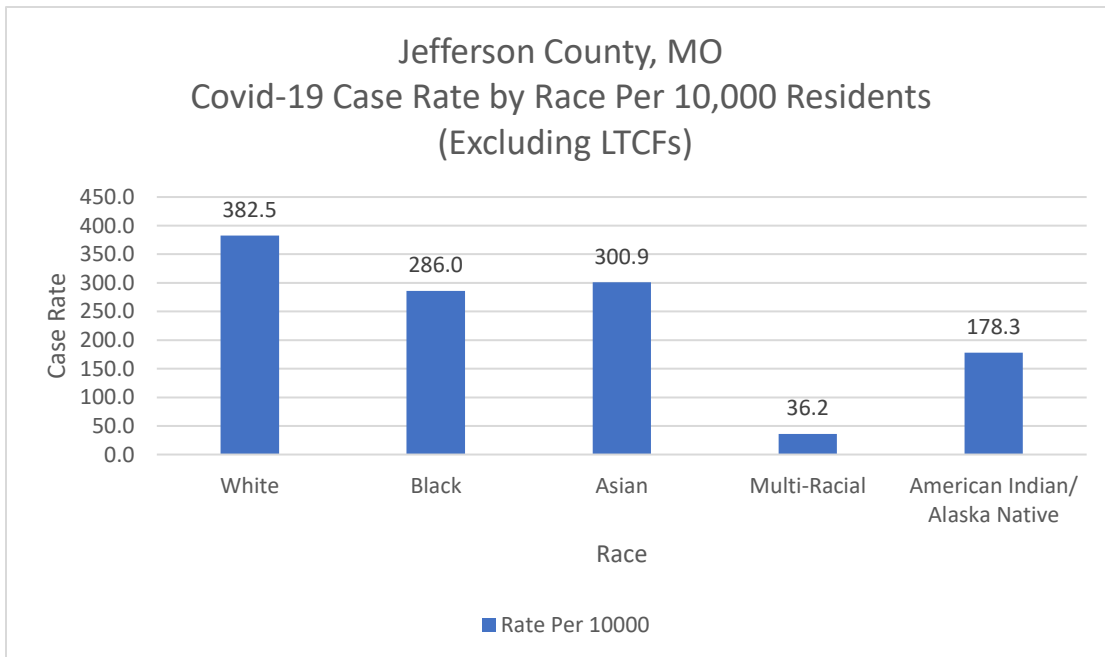
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
13	3/22/2020	23	361	384	6.0%
14	3/29/2020	48	449	497	9.7%
15	4/5/2020	43	363	406	10.6%
16	4/12/2020	27	396	423	6.4%
17	4/19/2020	22	340	362	6.1%
18	4/26/2020	14	493	507	2.8%
19	5/3/2020	11	549	560	2.0%
20	5/10/2020	9	907	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	30	928	958	3.1%
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	185	2379	2564	7.2%
31	7/26/2020	248	2396	2644	9.4%
32	8/2/2020	282	2497	2779	10.1%
33	8/9/2020	271	2707	2978	9.1%
34	8/16/2020	265	2440	2705	9.8%
35	8/23/2020	329	2482	2811	11.7%
36	8/30/2020	382	2672	3054	12.5%
37	9/6/2020	345	2582	2927	11.8%
38	9/13/2020	449	3066	3515	12.8%
39	9/20/2020	392	3046	3438	11.4%
40	9/27/2020	297	2664	2961	10.0%
41	10/4/2020	268	2518	2786	9.6%
42	10/11/2020	314	2745	3059	10.3%
43	10/18/2020	330	2687	3017	10.9%
44	10/25/2020	590	2695	3285	18.0%
45	11/1/2020	948	2990	3938	24.1%
46	11/8/2020	1481	3083	4564	32.4%
47	11/15/2020	1235	3437	4672	26.4%
48	11/22/2020	1193	2296	3489	34.2%
49	11/29/2020	1150	3069	4219	27.3%
50	12/6/2020	922	2322	3244	28.4%
51	12/13/2020	865	1998	2863	30.2%
52	12/20/2020	542	1475	2017	26.9%
53	12/27/2020	930	1760	2690	34.6%

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

Race	Cases	Rate Per 10000
White	8247	382.5
Black	77	286.0
Asian	54	300.9
Multi-Racial	13	36.2
American Indian/ Alaska Native	12	178.3
Unknown	2312	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

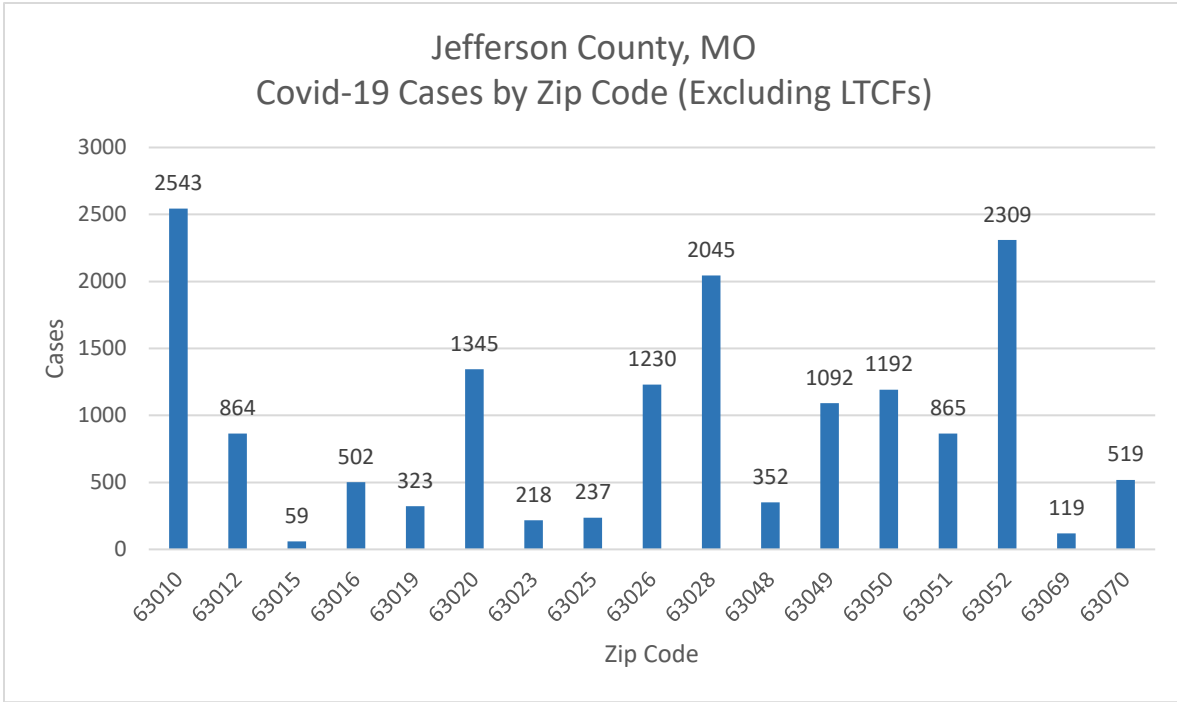
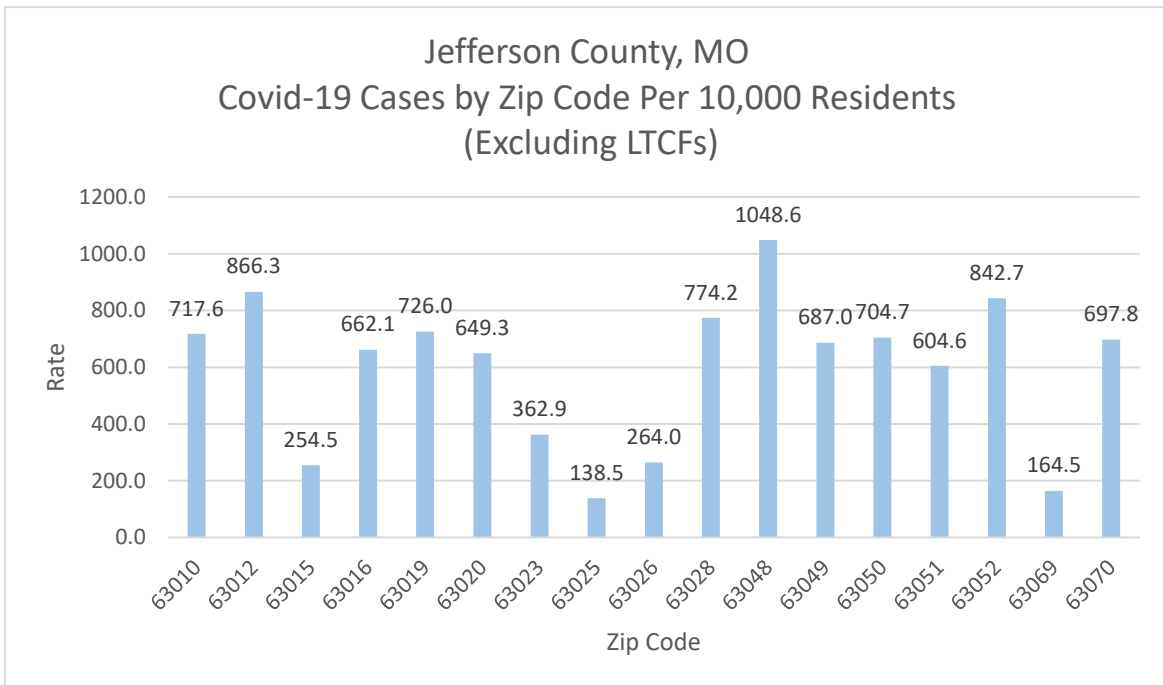


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County (Excluding LTCFs), Missouri





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

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

Week 53: December 27, 2020- January 2, 2021

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

SUMMARY:

- During Week 53 a total of 141 confirmed and probable Covid-19 cases were reported in Jefferson County for the 0-19 year age group. A year-to-date total of 2382 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
14	3/29/2020	0	2
15	4/5/2020	0	2
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	4	14
27	6/28/2020	5	19
28	7/5/2020	25	44
29	7/12/2020	23	67
30	7/19/2020	33	100
31	7/26/2020	37	137
32	8/2/2020	35	172
33	8/9/2020	38	210
34	8/16/2020	48	258
35	8/23/2020	61	319
36	8/30/2020	66	385
37	9/6/2020	61	446
38	9/13/2020	94	540
39	9/20/2020	68	608
40	9/27/2020	52	660
41	10/4/2020	32	692
42	10/11/2020	41	733
43	10/18/2020	47	780
44	10/25/2020	97	877
45	11/1/2020	163	1040
46	11/8/2020	245	1285
47	11/15/2020	205	1490
48	11/22/2020	159	1649
49	11/29/2020	180	1829
50	12/6/2020	159	1988
51	12/13/2020	161	2149
52	12/20/2020	92	2241
53	12/27/2020	141	2382

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

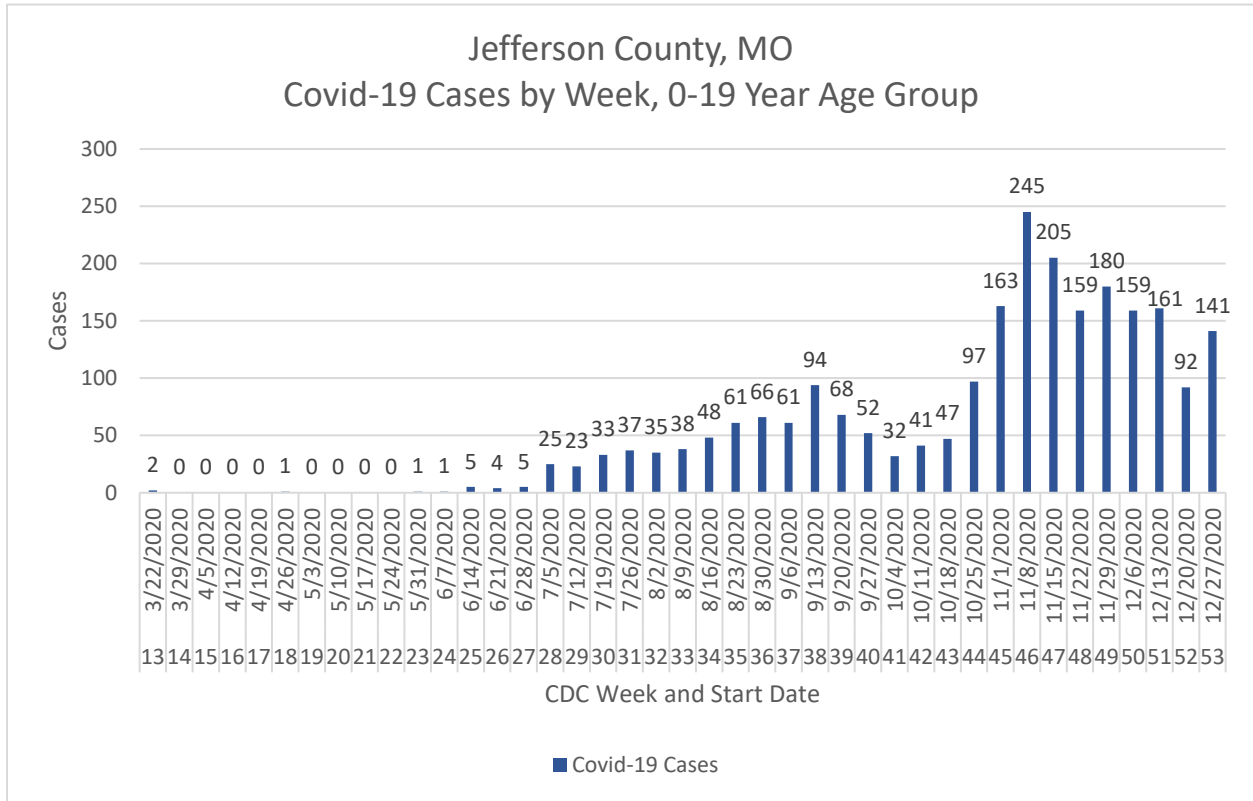


Table 2. Covid-19 Cases by Age Group, Jefferson County, Missouri

Age Group	Cases	Percent
0-9	637	3.70%
10-19	1745	10.14%
20+	14809	86.07%

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

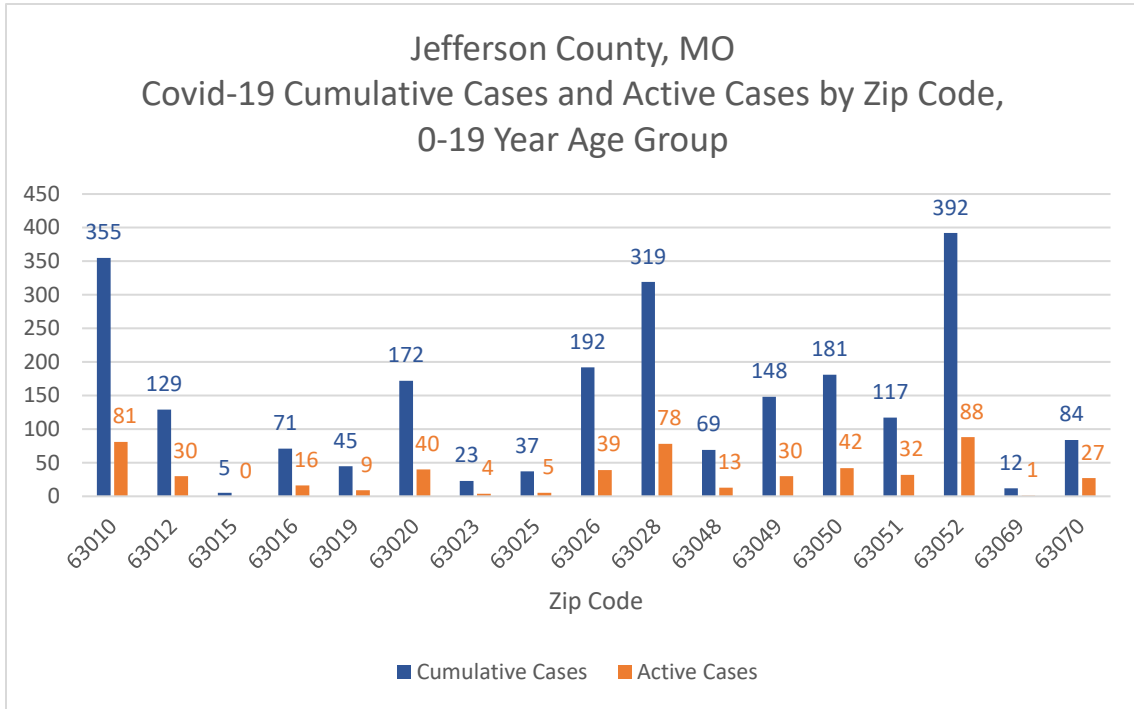


Figure 3. Covid-19 Cases by Age-Based Grade Levels, Jefferson County, Missouri

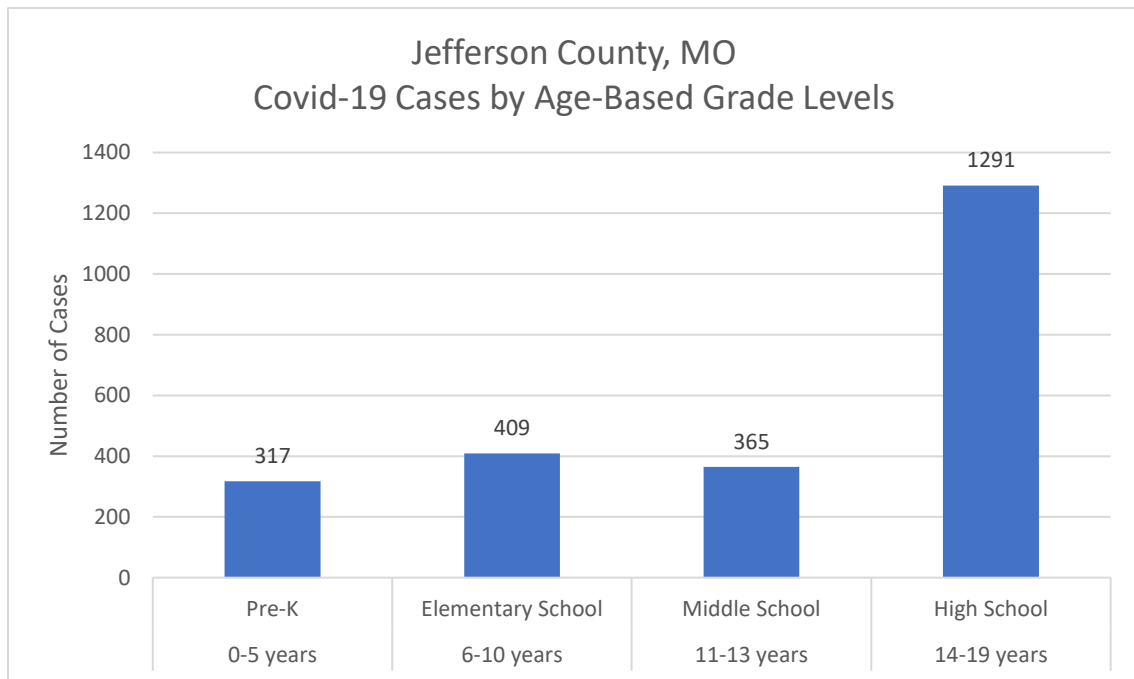


Figure 4. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Pre-K Age Group, Jefferson County, Missouri

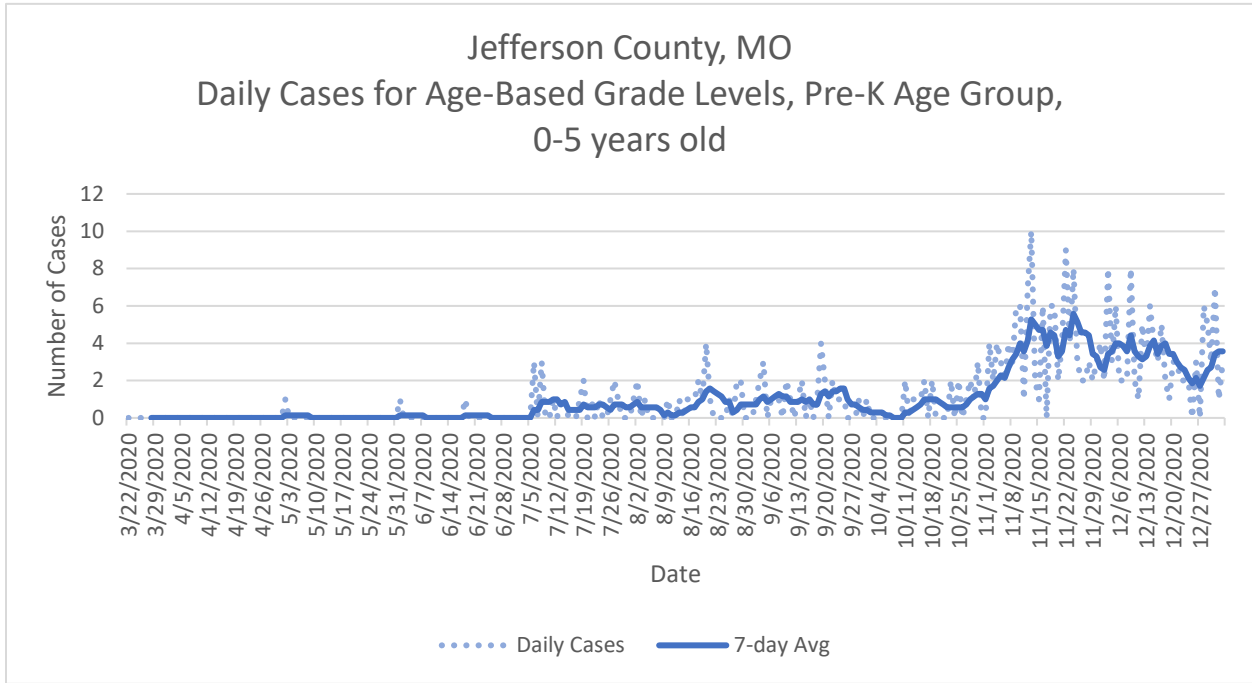


Figure 5. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Elementary School Age Group, Jefferson County, Missouri

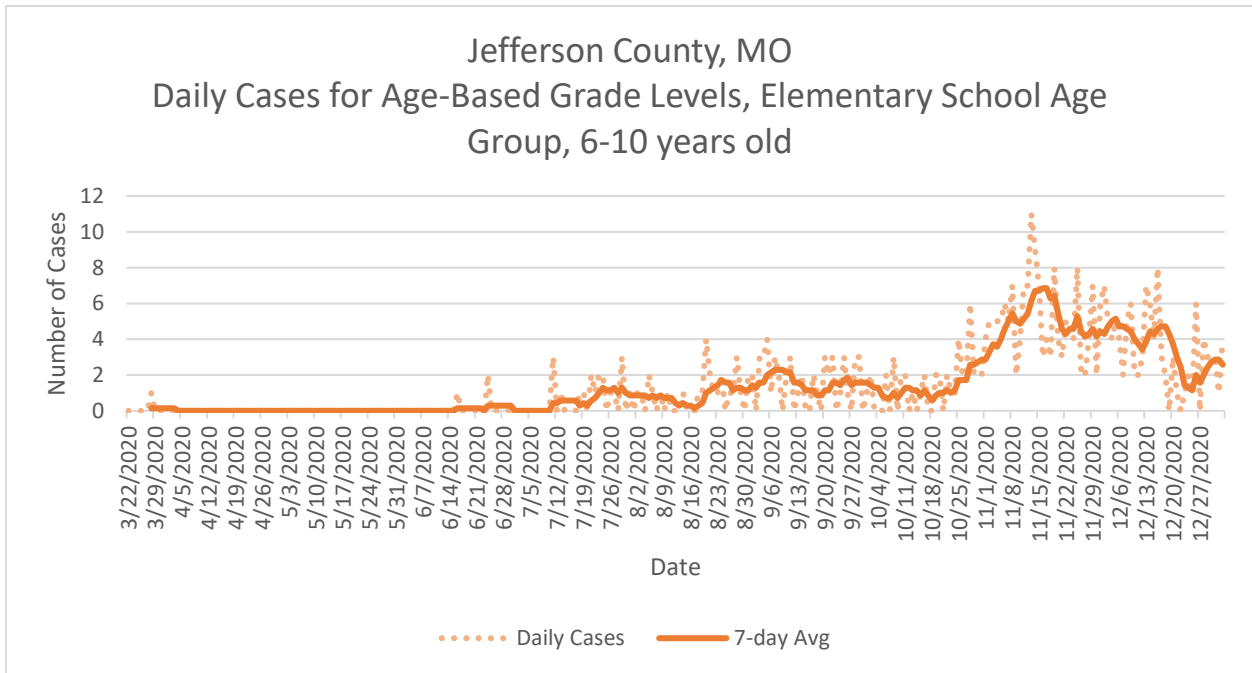


Figure 6. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Middle School Age Group, Jefferson County, Missouri

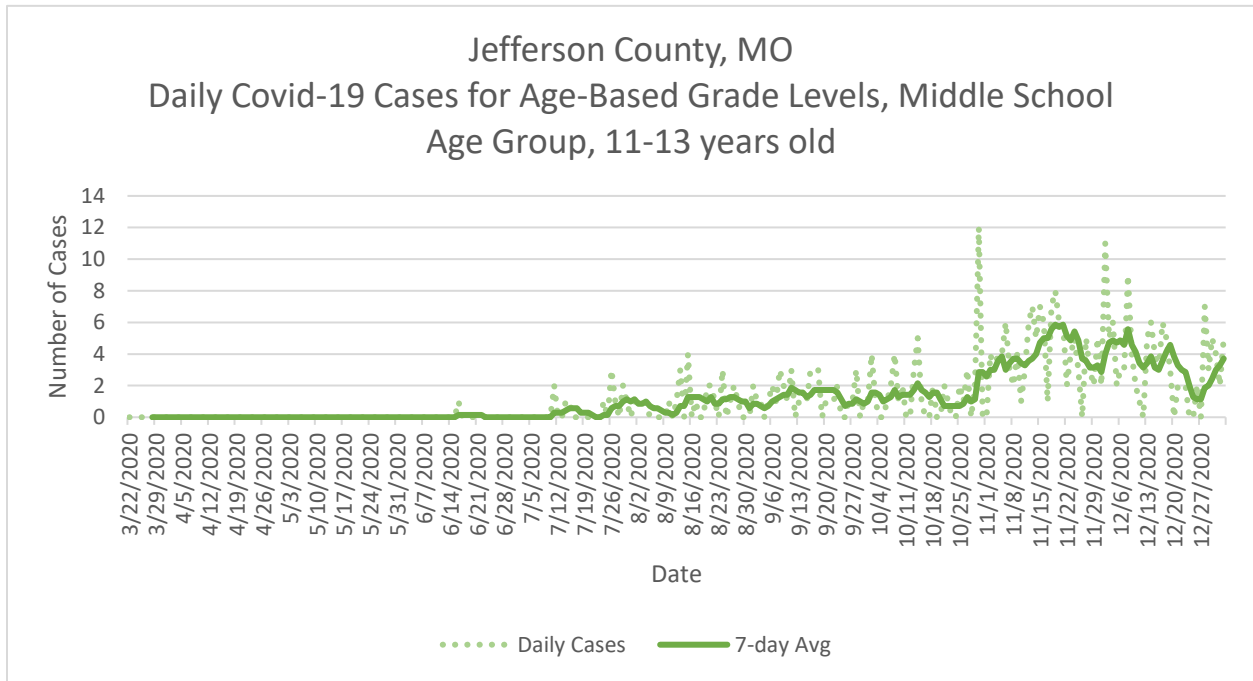


Figure 7. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, High School Age Group, Jefferson County, Missouri

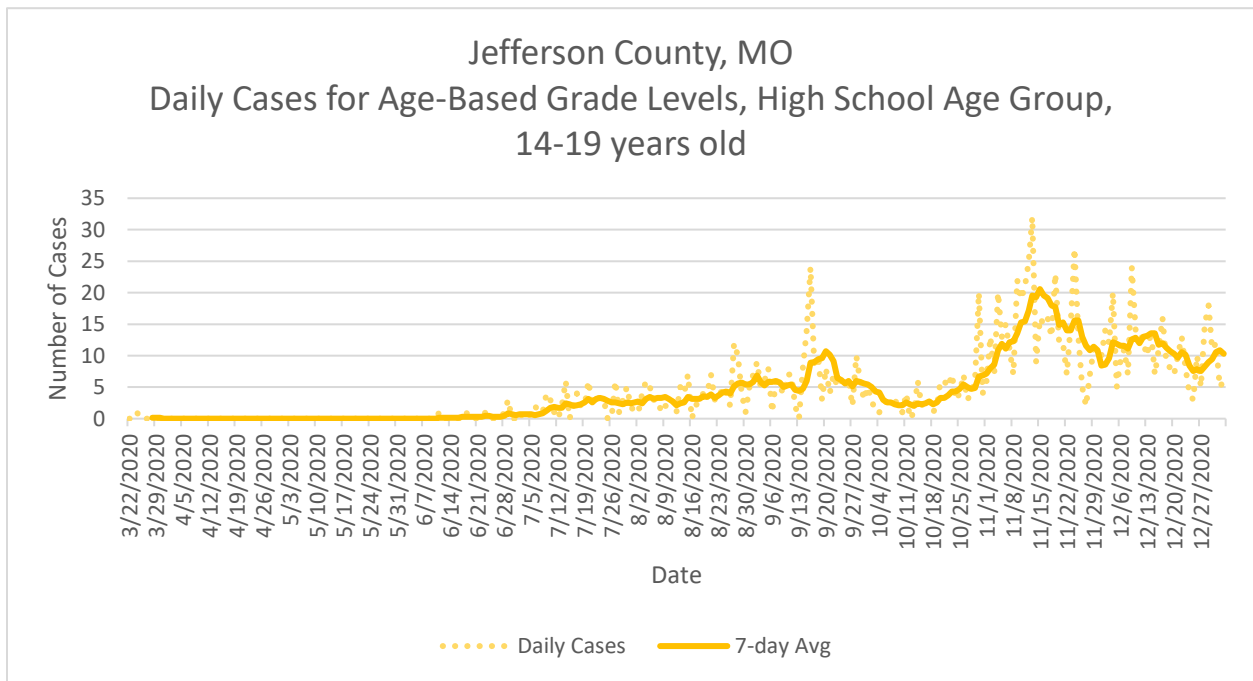


Figure 8. Overlay of 7-Day Rolling Average of Daily Covid-19 Cases for all Age-Based Grade Levels, Jefferson County, Missouri

