



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 44: October 25- October 31

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

SUMMARY:

- During Week 44 a total of 673 confirmed and probable Covid-19 cases were reported in Jefferson County. A year-to-date total of 6611 confirmed and probable Covid-19 cases have been reported in Jefferson County as of Week 44.
- Eighty-four Covid-19 associated deaths have been reported in Jefferson County as of Week 44.
- Twenty-two outbreaks of Covid-19 have been reported in long-term care facilities (LTCF) in Jefferson County.¹

¹ 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
12	3/15/2020	0	0
13	3/22/2020	22	22
14	3/29/2020	52	74
15	4/5/2020	49	123
16	4/12/2020	57	180
17	4/19/2020	72	252
18	4/26/2020	28	280
19	5/3/2020	24	304
20	5/10/2020	23	327
21	5/17/2020	14	341
22	5/24/2020	16	357
23	5/31/2020	55	412
24	6/7/2020	15	427
25	6/14/2020	32	459
26	6/21/2020	62	521
27	6/28/2020	40	561
28	7/5/2020	163	724
29	7/12/2020	172	896
30	7/19/2020	250	1146
31	7/26/2020	298	1444
32	8/2/2020	327	1771
33	8/9/2020	333	2104
34	8/16/2020	320	2424
35	8/23/2020	411	2835
36	8/30/2020	431	3266
37	9/6/2020	384	3650
38	9/13/2020	491	4141
39	9/20/2020	436	4577
40	9/27/2020	353	4930
41	10/4/2020	306	5236
42	10/11/2020	342	5578
43	10/18/2020	360	5938
44	10/25/2020	673	6611

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

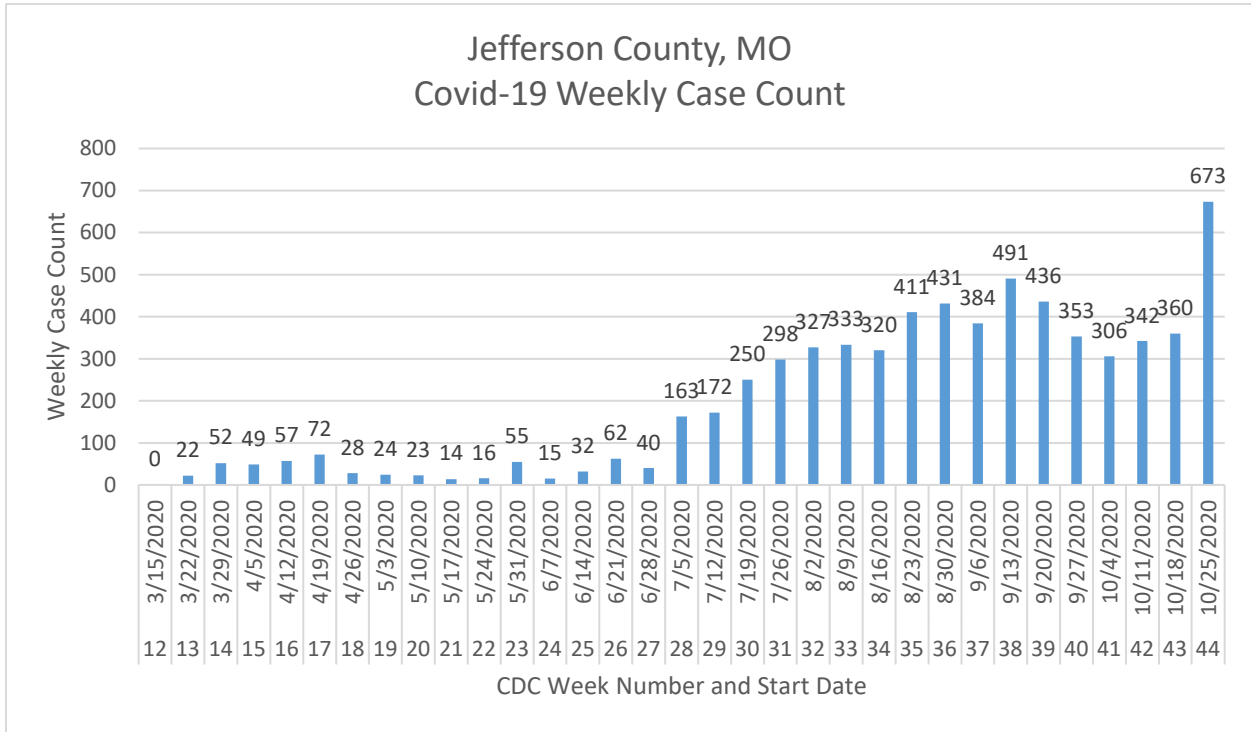


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week, Jefferson County, Missouri

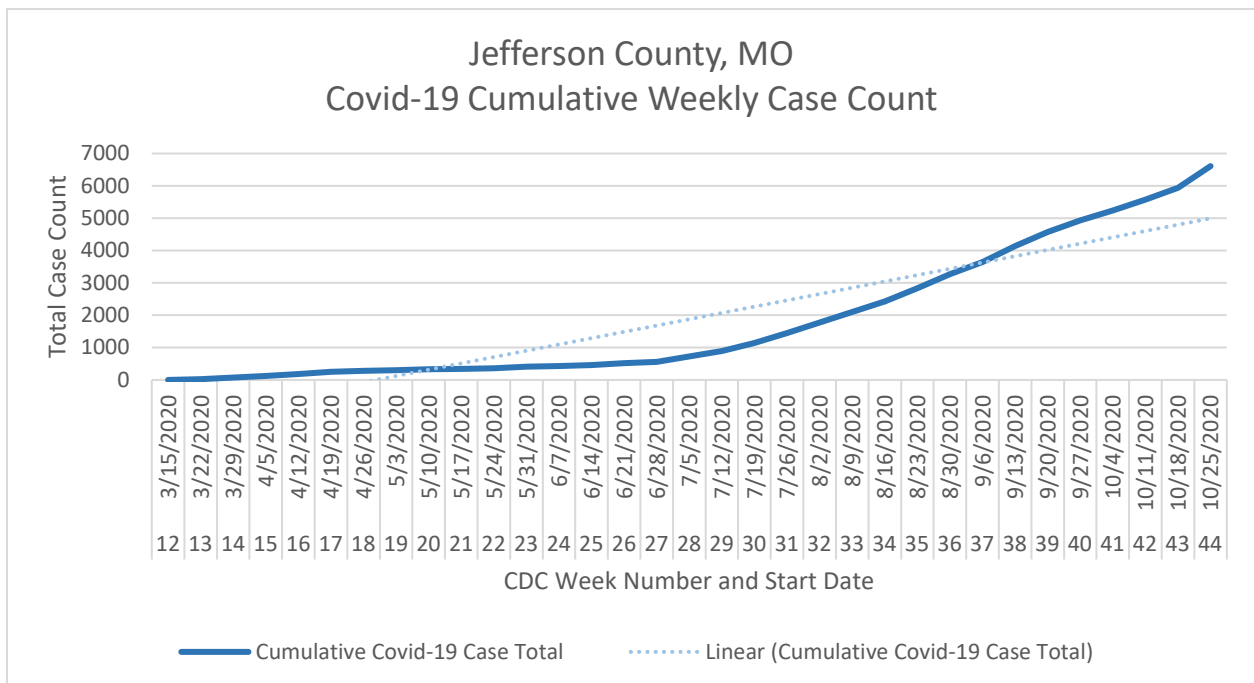


Figure 3. Covid-19 Daily Case Count and 7-Day Average, Jefferson County, Missouri

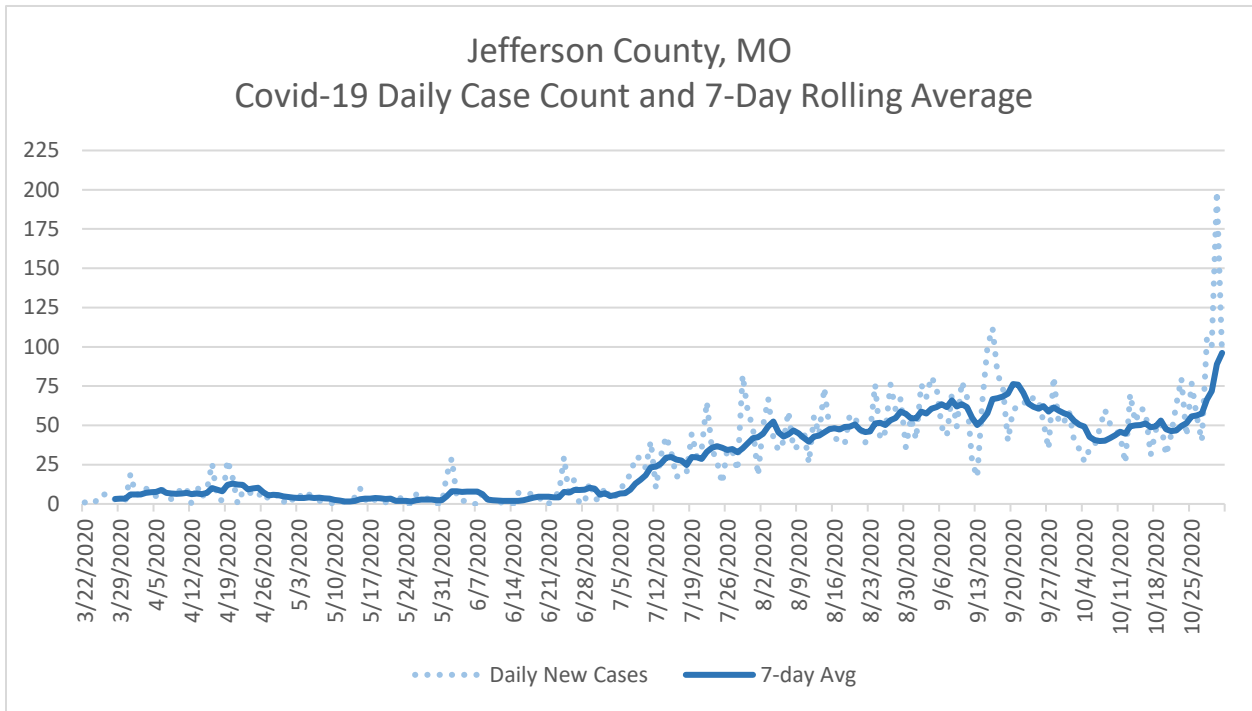


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates, Jefferson County, Missouri

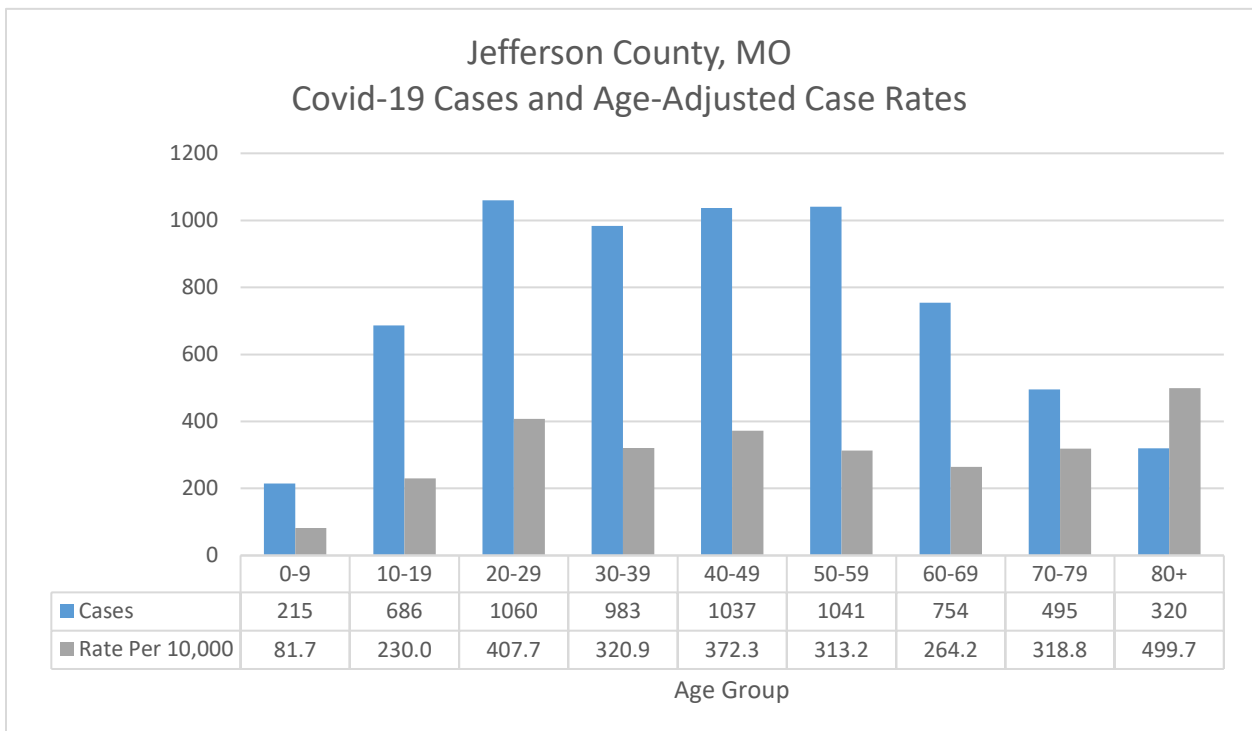


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group, Jefferson County, Missouri

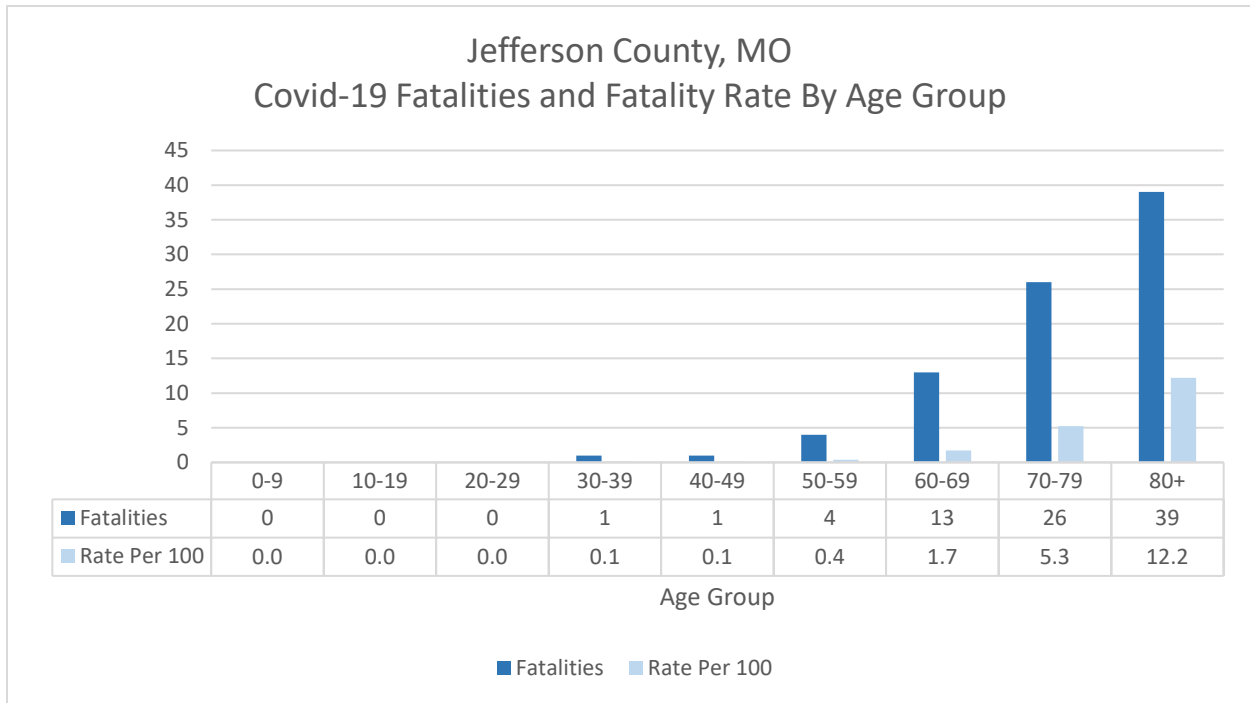


Table 2. Approximate Covid-19 Cumulative Fatality Rates

Jefferson County	1.27%
Missouri	1.61%
US	2.51%

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

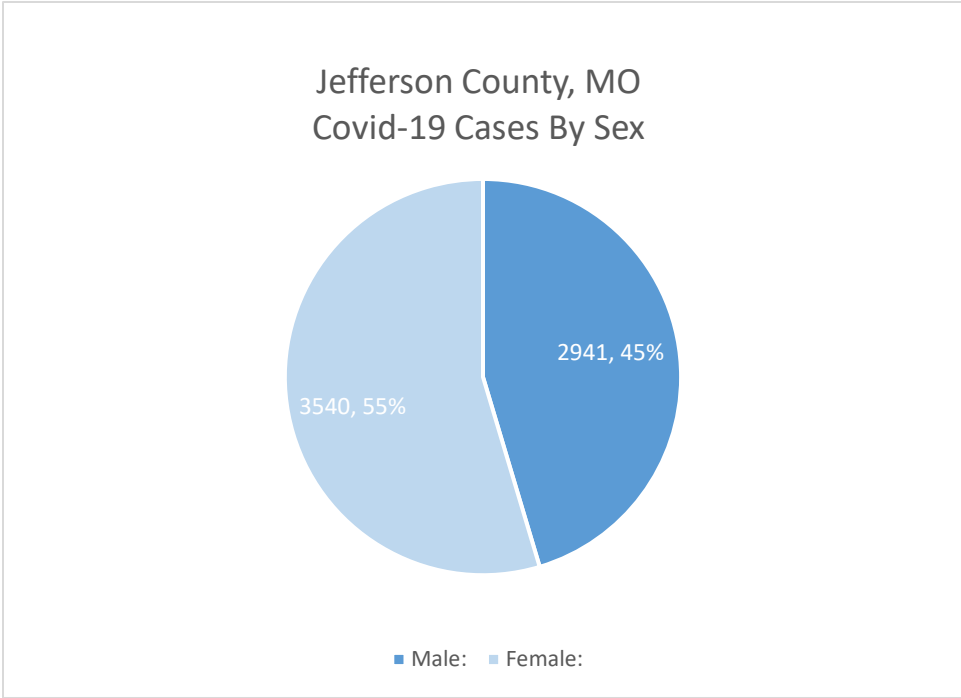


Figure 7. Covid-19 PCR Test Results by Week, Jefferson County, Missouri

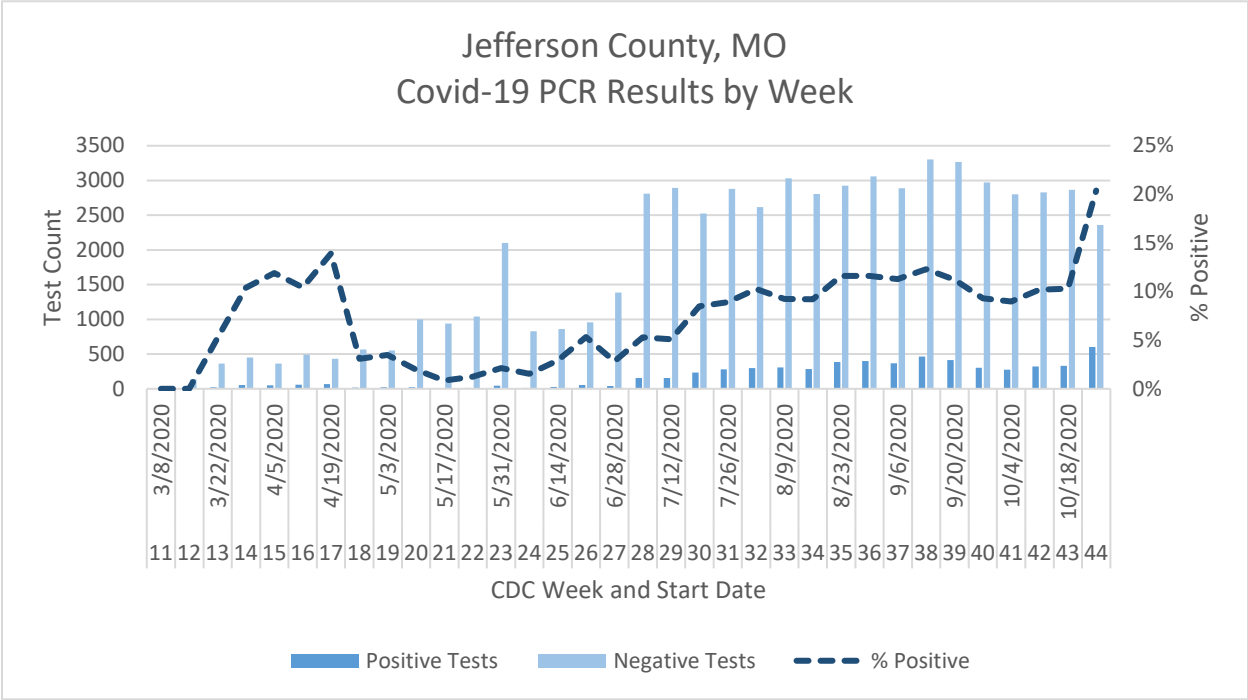


Table 3. Covid-19 PCR Test Results and Percent Positive
by Week, Jefferson County, Missouri

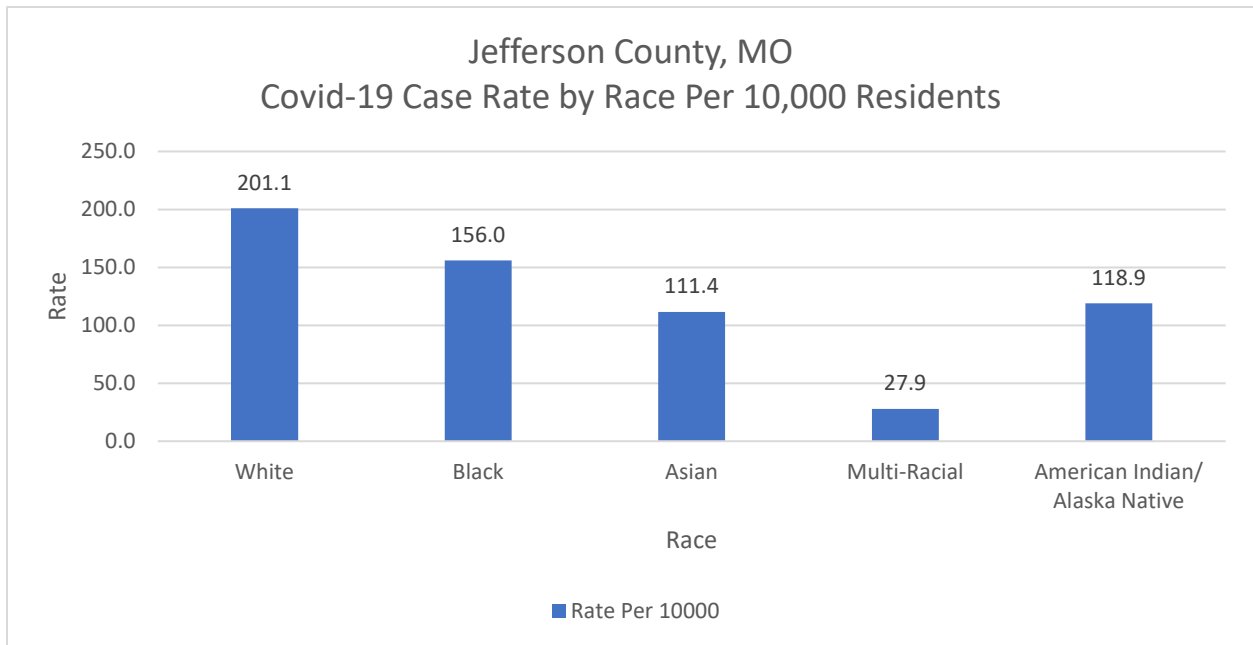
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
11	3/8/2020	0	7	7	0.0%
12	3/15/2020	0	137	137	0.0%
13	3/22/2020	20	361	381	5.2%
14	3/29/2020	52	449	501	10.4%
15	4/5/2020	49	363	412	11.9%
16	4/12/2020	57	490	547	10.4%
17	4/19/2020	70	433	503	13.9%
18	4/26/2020	18	566	584	3.1%
19	5/3/2020	20	553	573	3.5%
20	5/10/2020	20	997	1017	2.0%
21	5/17/2020	8	938	946	0.8%
22	5/24/2020	13	1040	1053	1.2%
23	5/31/2020	46	2099	2145	2.1%
24	6/7/2020	13	829	842	1.5%
25	6/14/2020	26	862	888	2.9%
26	6/21/2020	54	959	1013	5.3%
27	6/28/2020	40	1385	1425	2.8%
28	7/5/2020	157	2811	2968	5.3%
29	7/12/2020	155	2891	3046	5.1%
30	7/19/2020	234	2525	2759	8.5%
31	7/26/2020	281	2878	3159	8.9%
32	8/2/2020	299	2615	2914	10.3%
33	8/9/2020	309	3030	3339	9.3%
34	8/16/2020	285	2807	3092	9.2%
35	8/23/2020	384	2923	3307	11.6%
36	8/30/2020	401	3057	3458	11.6%
37	9/6/2020	367	2889	3256	11.3%
38	9/13/2020	463	3302	3765	12.3%
39	9/20/2020	412	3266	3678	11.2%
40	9/27/2020	305	2972	3277	9.3%
41	10/4/2020	276	2800	3076	9.0%
42	10/11/2020	321	2830	3151	10.2%
43	10/18/2020	329	2863	3192	10.3%
44	10/25/2020	604	2358	2962	20.4%

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

Race	Cases	Rate Per 10000
White	4336	201.1
Black	42	156.0
Asian	20	111.4
Multi-Racial	10	27.9
American Indian/ Alaska Native	8	118.9
Unknown	259	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

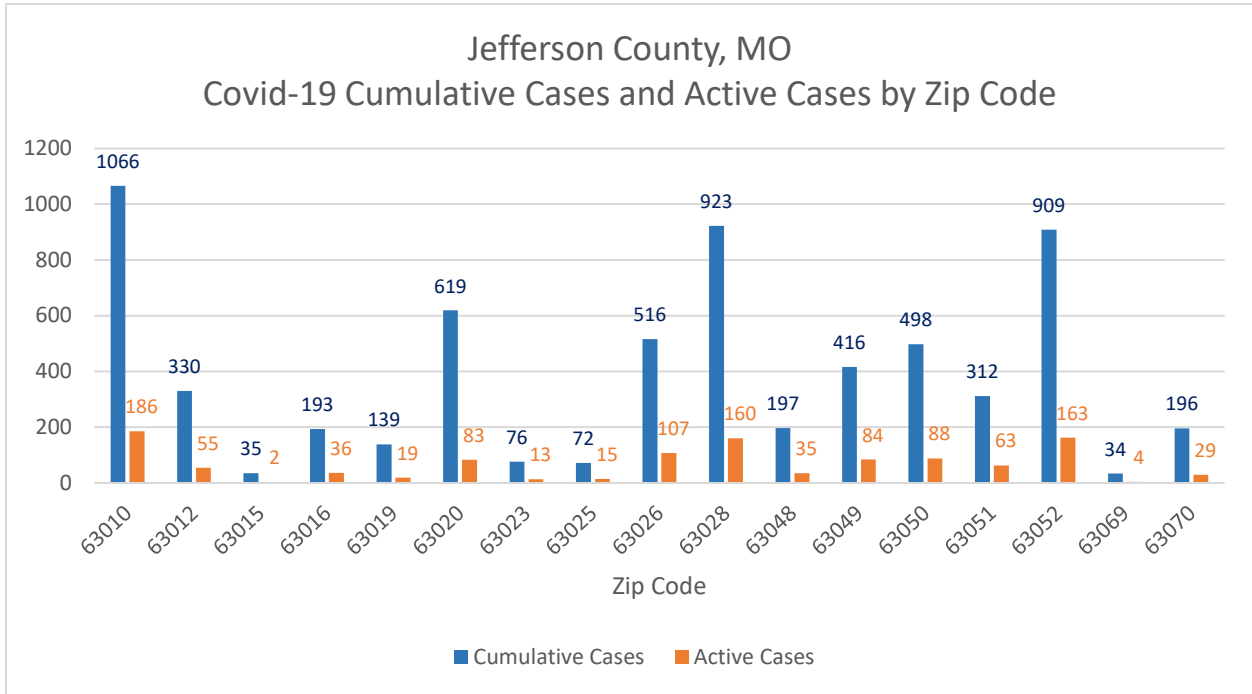
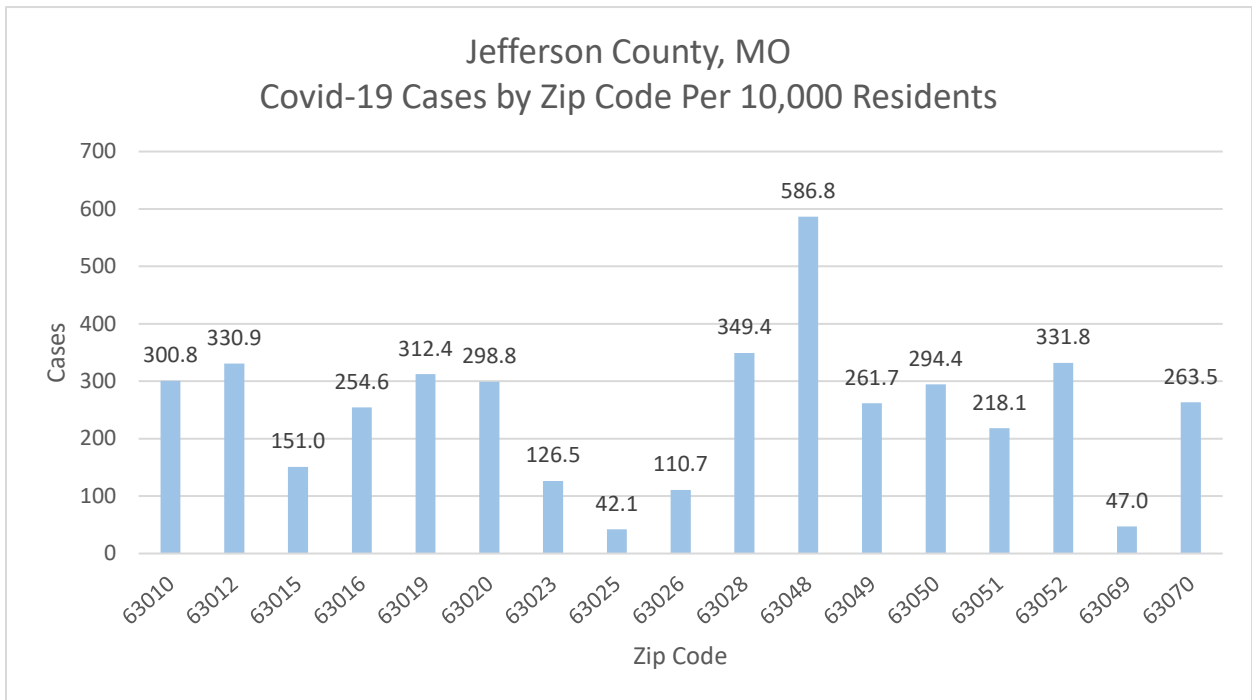


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County, Missouri





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 44: October 25- October 31

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

SUMMARY:

-This is a revised version of the Week 44 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
12	3/15/2020	0	0
13	3/22/2020	22	22
14	3/29/2020	48	70
15	4/5/2020	43	113
16	4/12/2020	23	136
17	4/19/2020	24	160
18	4/26/2020	19	179
19	5/3/2020	15	194
20	5/10/2020	11	205
21	5/17/2020	10	215
22	5/24/2020	11	226
23	5/31/2020	29	255
24	6/7/2020	13	268
25	6/14/2020	31	299
26	6/21/2020	35	334
27	6/28/2020	39	373
28	7/5/2020	158	531
29	7/12/2020	167	698
30	7/19/2020	196	894
31	7/26/2020	247	1141
32	8/2/2020	302	1443
33	8/9/2020	292	1735
34	8/16/2020	289	2024
35	8/23/2020	352	2376
36	8/30/2020	404	2780
37	9/6/2020	354	3134
38	9/13/2020	468	3602
39	9/20/2020	408	4010
40	9/27/2020	332	4342
41	10/4/2020	283	4625
42	10/11/2020	323	4948
43	10/18/2020	345	5293
44	10/25/2020	646	5939

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

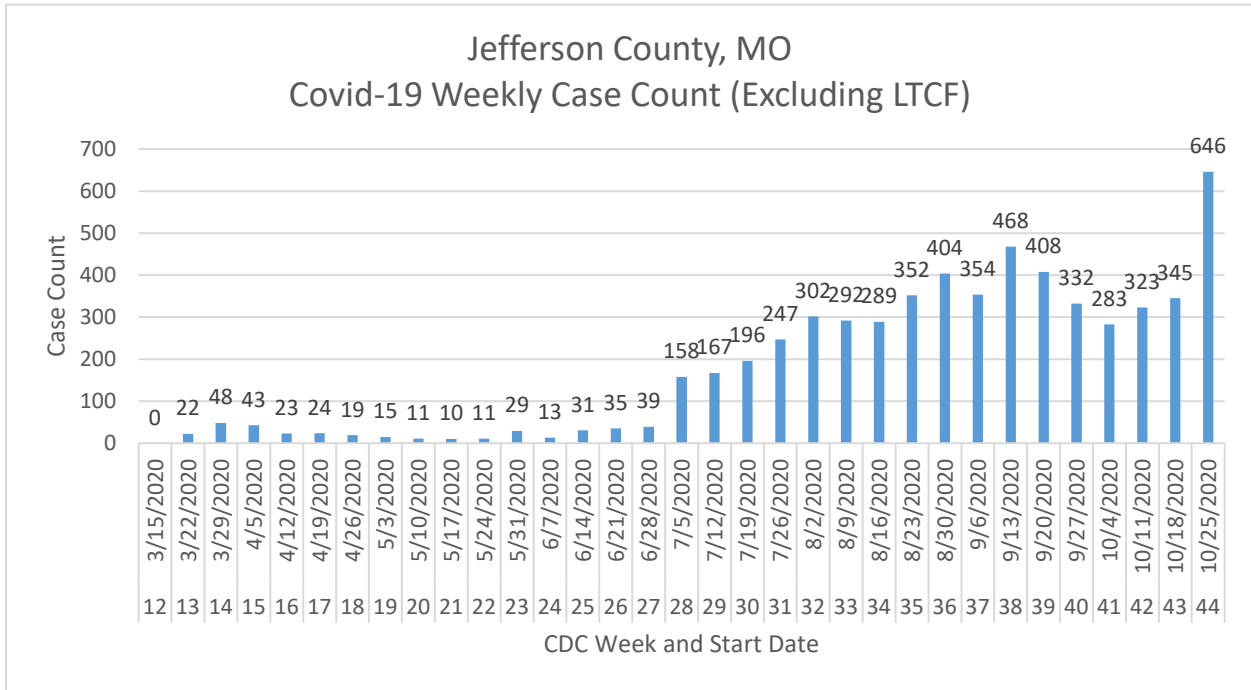


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week (Excluding LTCFs), Jefferson County, Missouri

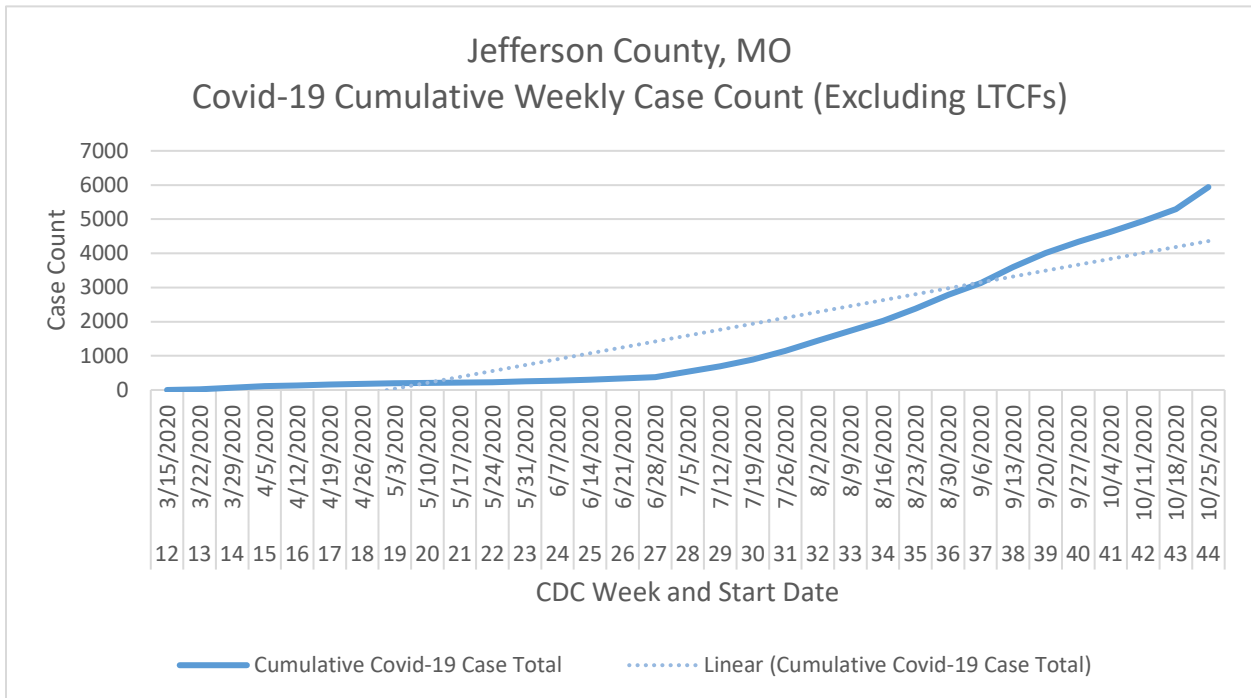


Figure 3. Covid-19 Daily Case Count and 7-Day Average (Excluding LTCFs), Jefferson County, Missouri

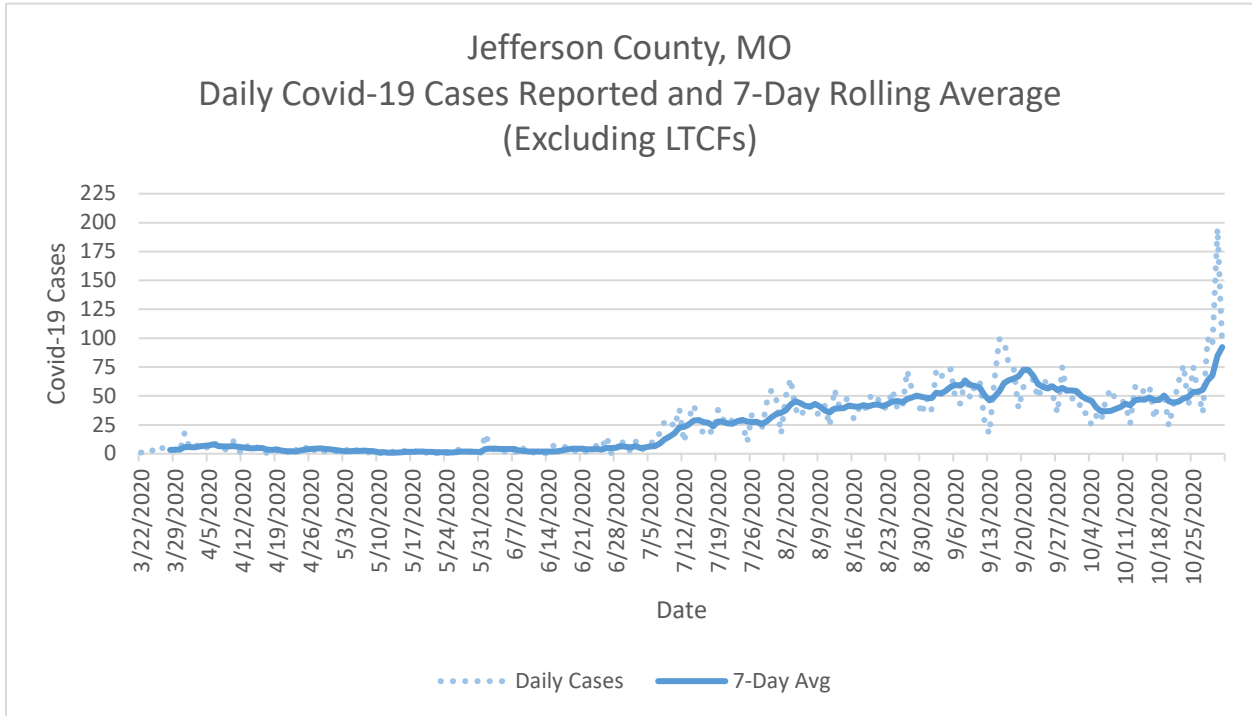


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates (Excluding LTCFs), Jefferson County, Missouri

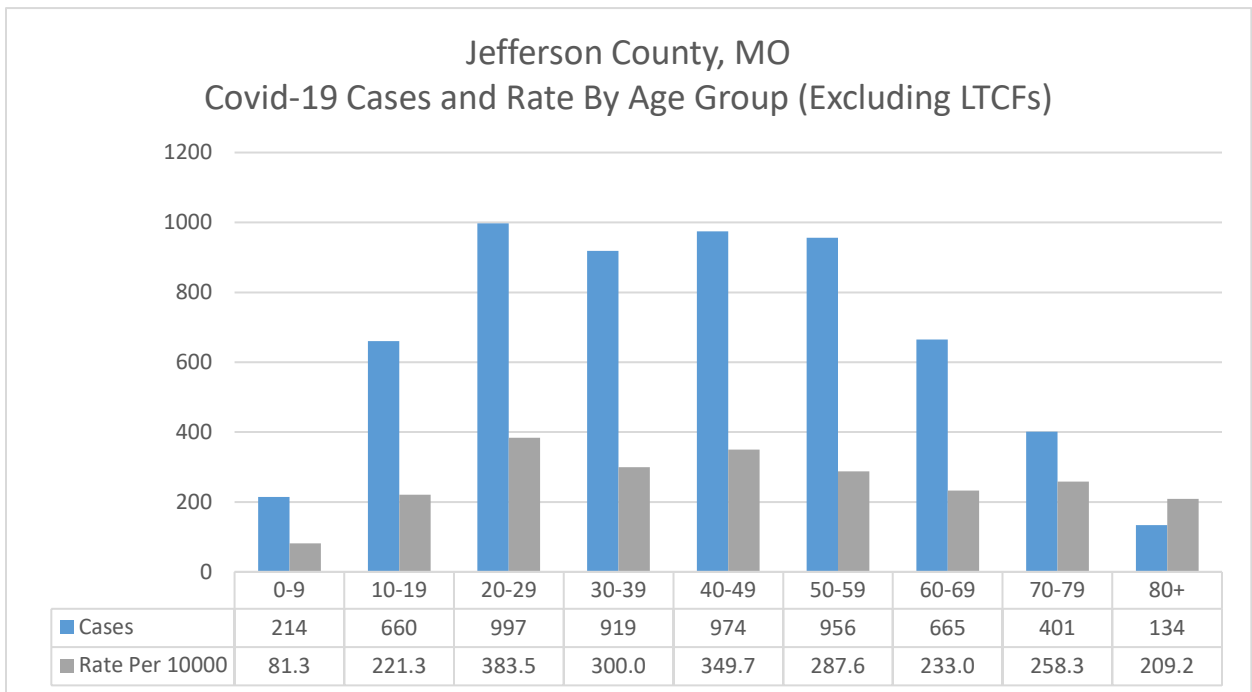


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group (Excluding LTCFs), Jefferson County, Missouri

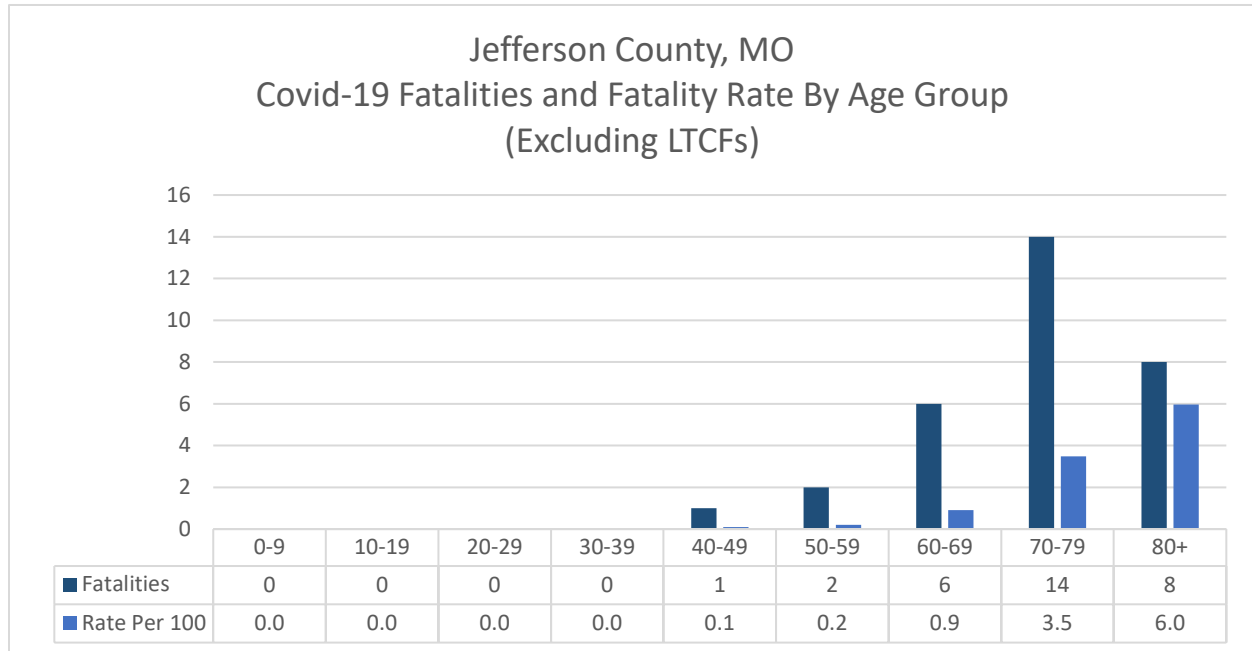


Table 2. Approximate Covid-19 Cumulative Fatality Rates (Excluding LTCFs)*

Jefferson County	.52%

*Missouri and United States data unavailable

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

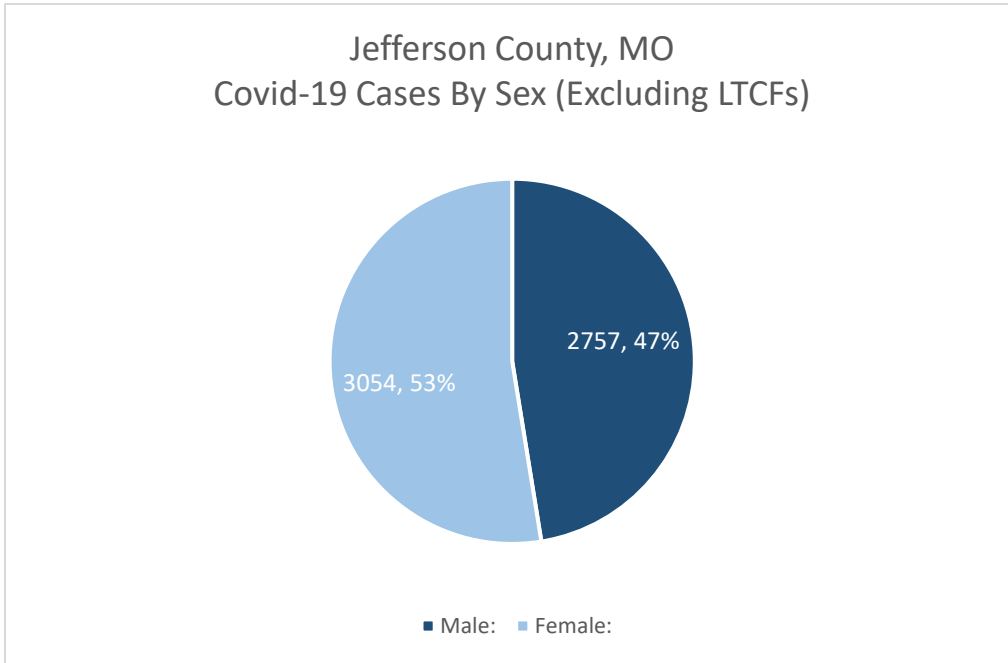


Figure 7. Covid-19 PCR Test Results by Week (Excluding LTCFs), Jefferson County, Missouri

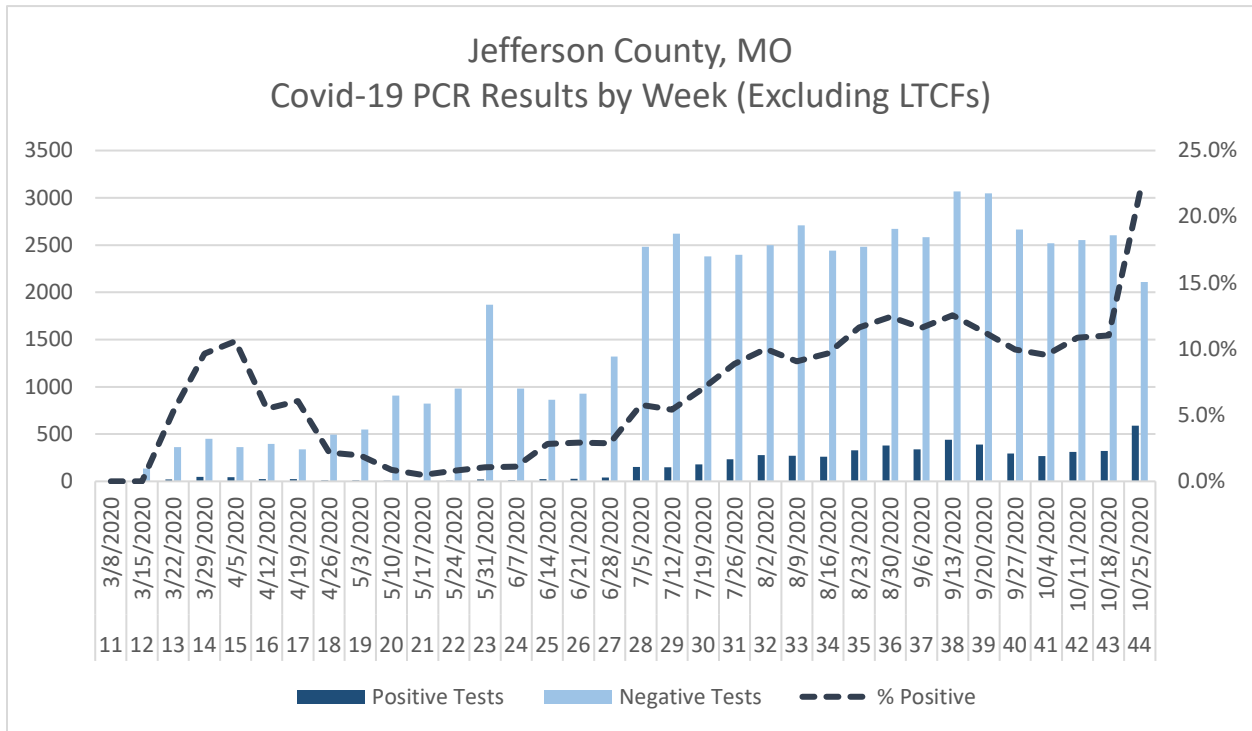


Table 3. Covid-19 PCR Test Results and Percent Positive
by Week, Jefferson County (Excluding LTCFs),
Missouri

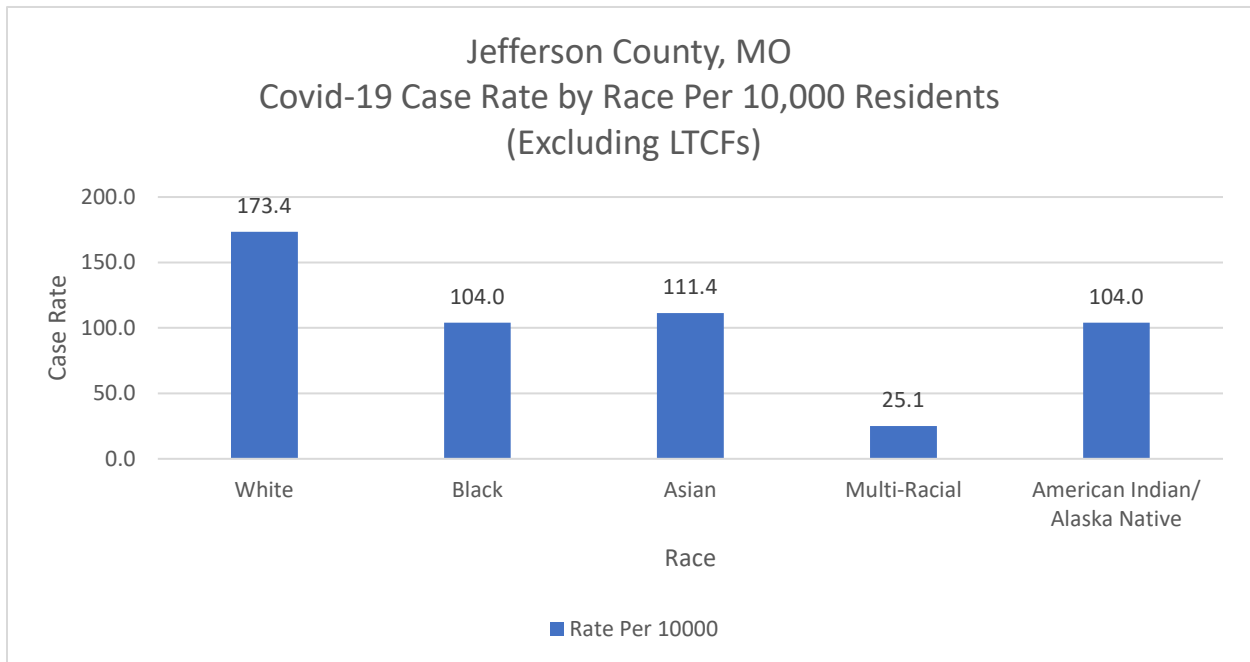
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
11	3/8/2020	0	7	7	0.0%
12	3/15/2020	0	137	137	0.0%
13	3/22/2020	20	361	381	5.2%
14	3/29/2020	48	449	497	9.7%
15	4/5/2020	43	363	406	10.6%
16	4/12/2020	23	396	419	5.5%
17	4/19/2020	22	340	362	6.1%
18	4/26/2020	11	493	504	2.2%
19	5/3/2020	11	549	560	2.0%
20	5/10/2020	8	907	915	0.9%
21	5/17/2020	4	823	827	0.5%
22	5/24/2020	8	981	989	0.8%
23	5/31/2020	20	1870	1890	1.1%
24	6/7/2020	11	981	992	1.1%
25	6/14/2020	25	862	887	2.8%
26	6/21/2020	28	928	956	2.9%
27	6/28/2020	39	1320	1359	2.9%
28	7/5/2020	152	2482	2634	5.8%
29	7/12/2020	150	2619	2769	5.4%
30	7/19/2020	180	2379	2559	7.0%
31	7/26/2020	233	2396	2629	8.9%
32	8/2/2020	278	2497	2775	10.0%
33	8/9/2020	270	2707	2977	9.1%
34	8/16/2020	261	2440	2701	9.7%
35	8/23/2020	327	2482	2809	11.6%
36	8/30/2020	379	2672	3051	12.4%
37	9/6/2020	339	2582	2921	11.6%
38	9/13/2020	440	3066	3506	12.5%
39	9/20/2020	388	3046	3434	11.3%
40	9/27/2020	295	2664	2959	10.0%
41	10/4/2020	266	2518	2784	9.6%
42	10/11/2020	311	2553	2864	10.9%
43	10/18/2020	323	2604	2927	11.0%
44	10/25/2020	588	2108	2696	21.8%

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

Race	Cases	Rate Per 10000
White	3739	173.4
Black	28	104.0
Asian	20	111.4
Multi-Racial	9	25.1
American Indian/ Alaska Native	7	104.0
Unknown	227	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

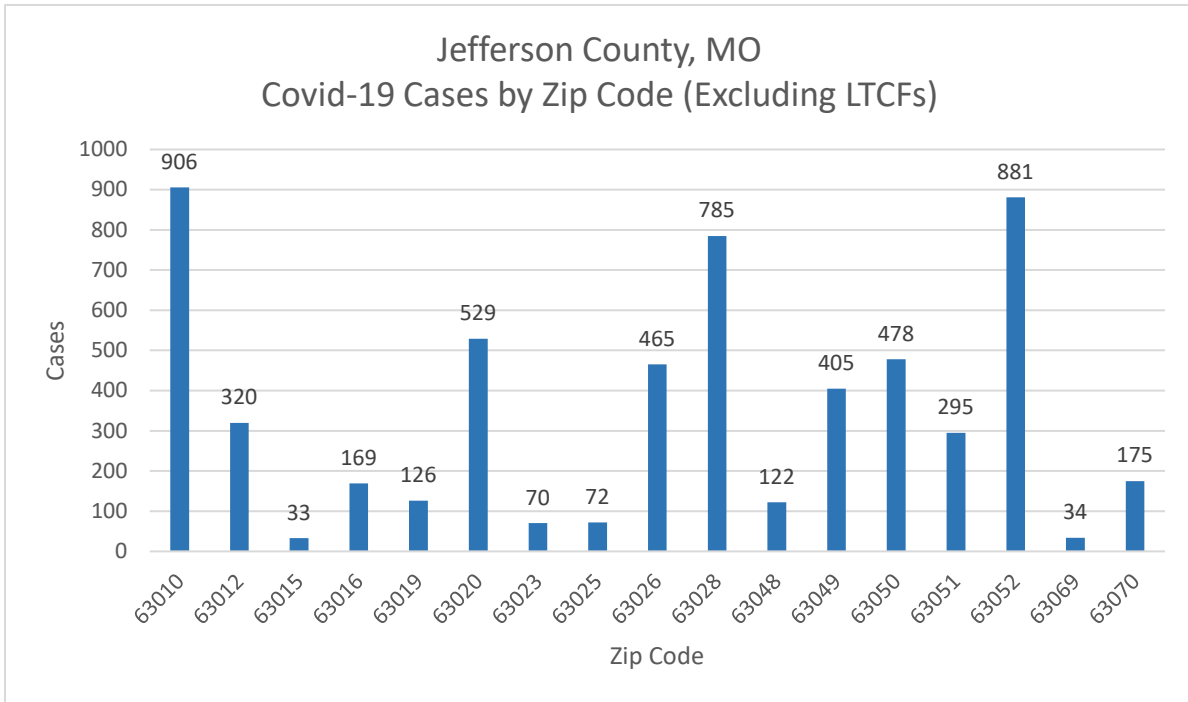
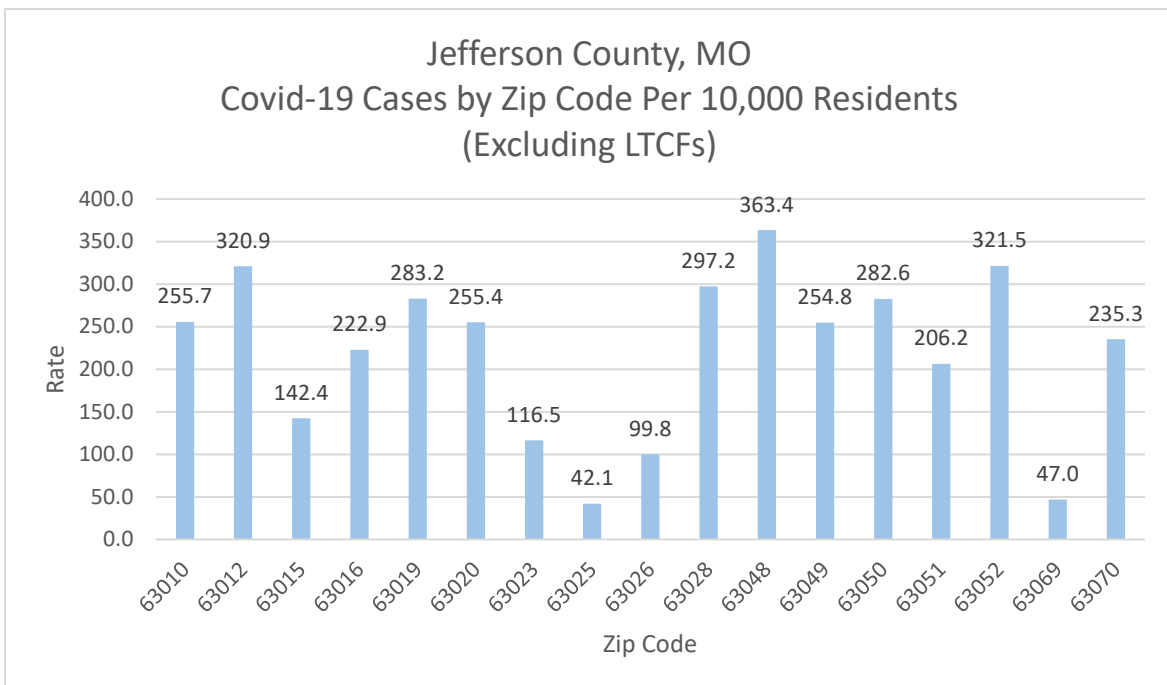


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County (Excluding LTCFs), Missouri





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

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

Week 44: October 25- October 31

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

SUMMARY:

- During Week 44 a total of 103 confirmed and probable Covid-19 cases were reported in Jefferson County for the 0-19 year age group. A year-to-date total of 901 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
12	3/15/2020	0	0
13	3/22/2020	2	2
14	3/29/2020	0	2
15	4/5/2020	0	2
16	4/12/2020	0	2
17	4/19/2020	1	3
18	4/26/2020	1	4
19	5/3/2020	0	4
20	5/10/2020	0	4
21	5/17/2020	0	4
22	5/24/2020	0	4
23	5/31/2020	1	5
24	6/7/2020	1	6
25	6/14/2020	5	11
26	6/21/2020	4	15
27	6/28/2020	4	19
28	7/5/2020	25	44
29	7/12/2020	22	66
30	7/19/2020	34	100
31	7/26/2020	36	136
32	8/2/2020	36	172
33	8/9/2020	40	212
34	8/16/2020	50	262
35	8/23/2020	61	323
36	8/30/2020	71	394
37	9/6/2020	63	457
38	9/13/2020	94	551
39	9/20/2020	70	621
40	9/27/2020	53	674
41	10/4/2020	32	706
42	10/11/2020	42	748
43	10/18/2020	50	798
44	10/25/2020	103	901

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

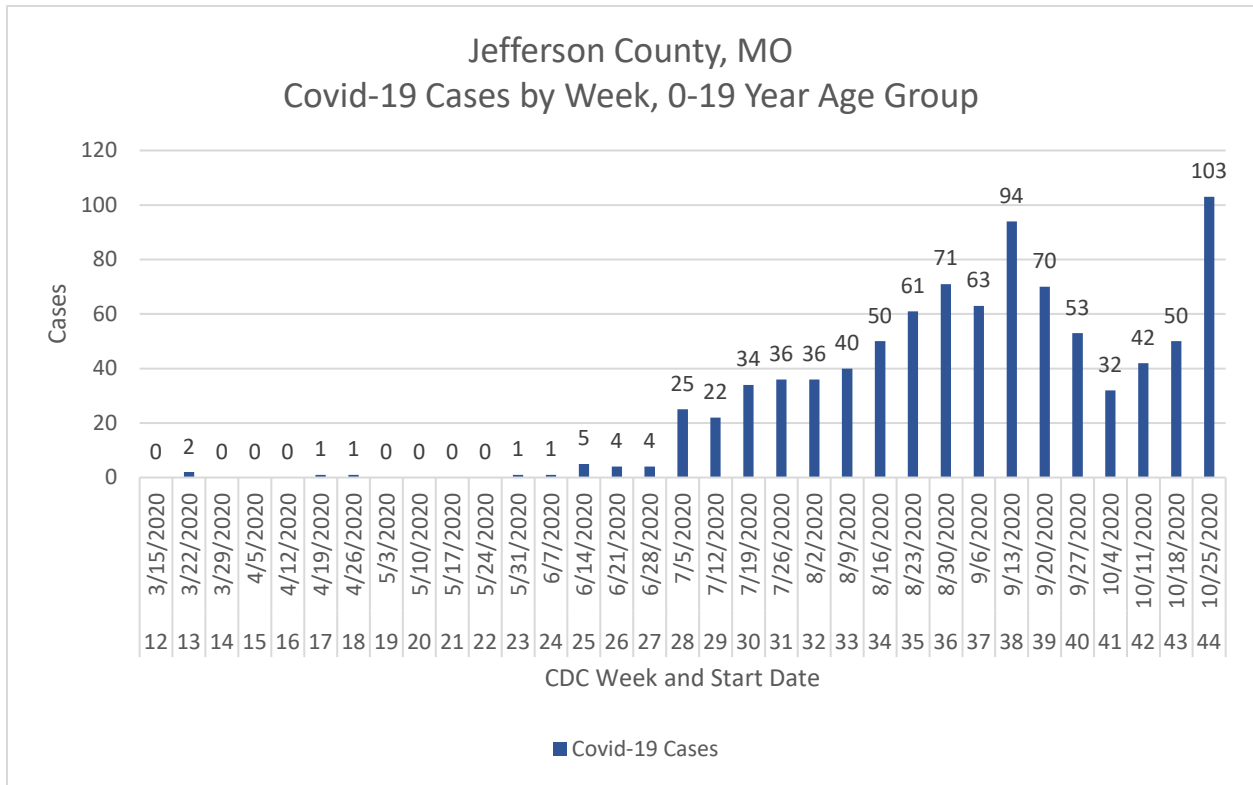


Table 2. Covid-19 Cases by Age Group, Jefferson County, Missouri

Age Group	Cases	Percent
0-9	215	3.25%
10-19	686	10.38%
20+	5690	86.07%

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

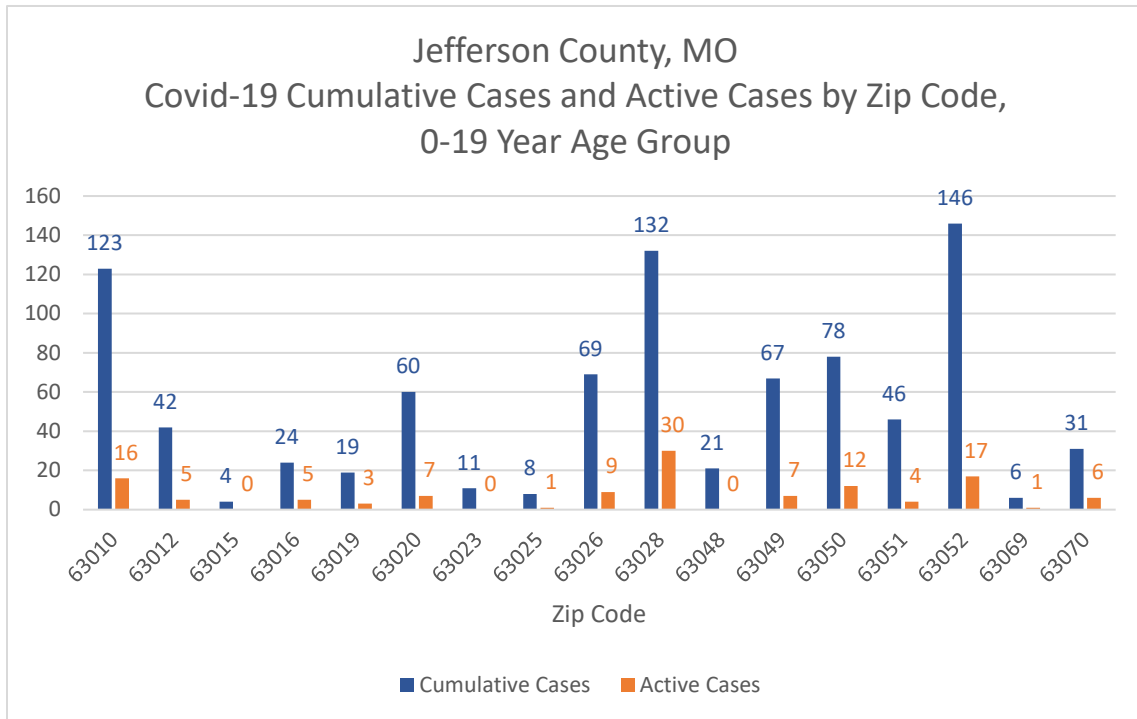


Figure 3. Covid-19 Cases by Age-Based Grade Levels, Jefferson County, Missouri

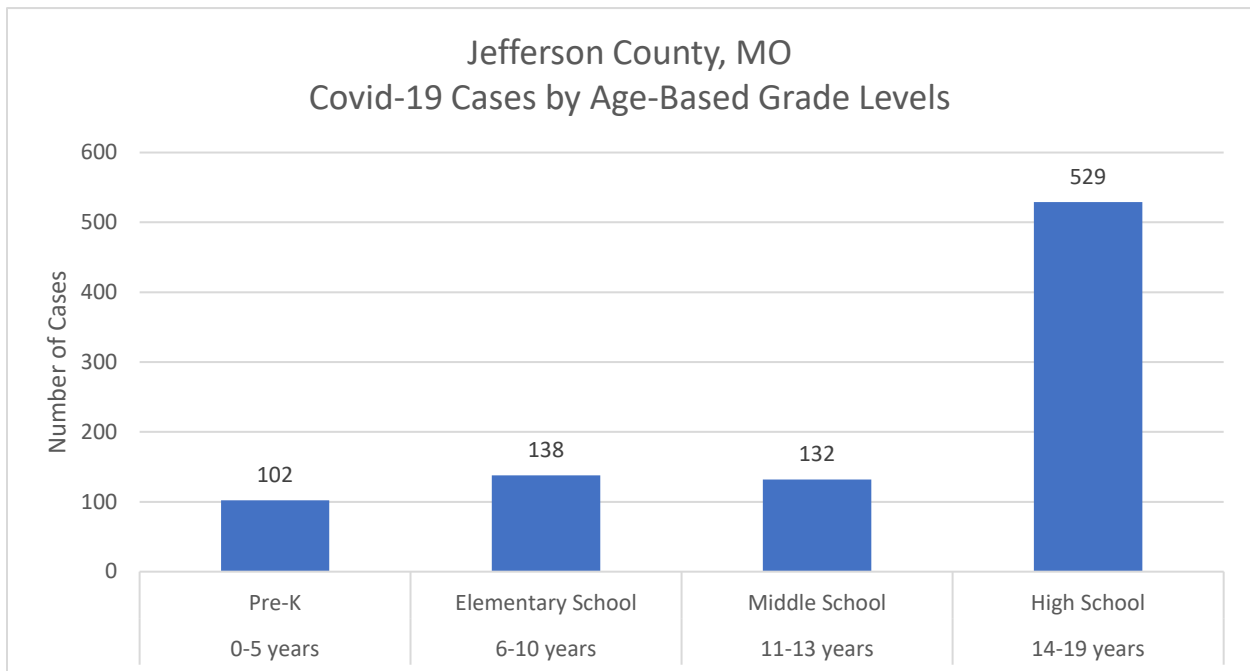


Figure 4. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels,
Pre-K Age Group
Jefferson County, Missouri

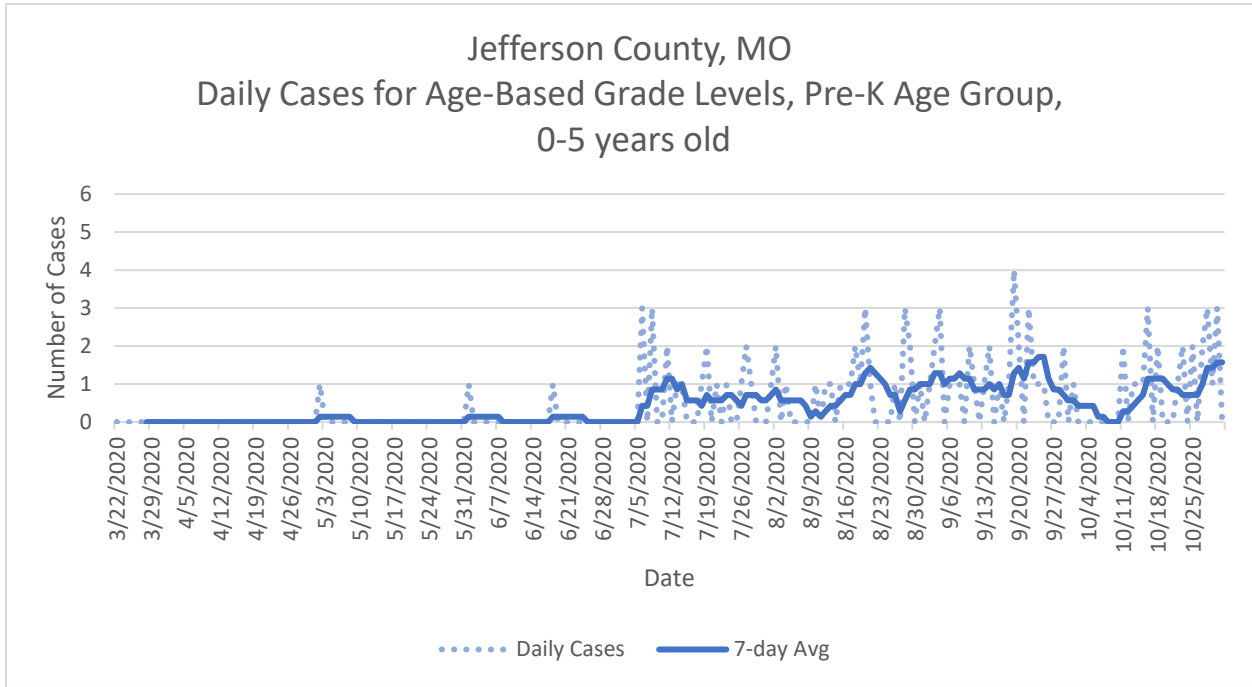


Figure 5. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels,
Elementary School Age Group,
Jefferson County, Missouri

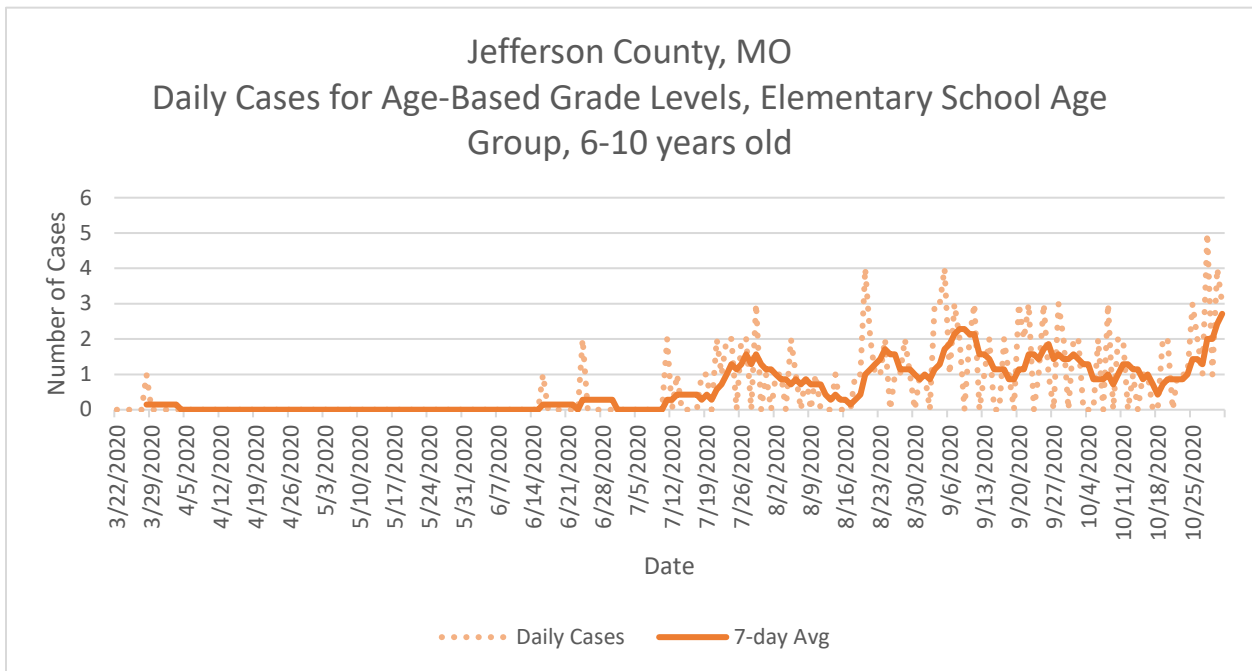


Figure 6. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Middle School Age Group Jefferson County, Missouri

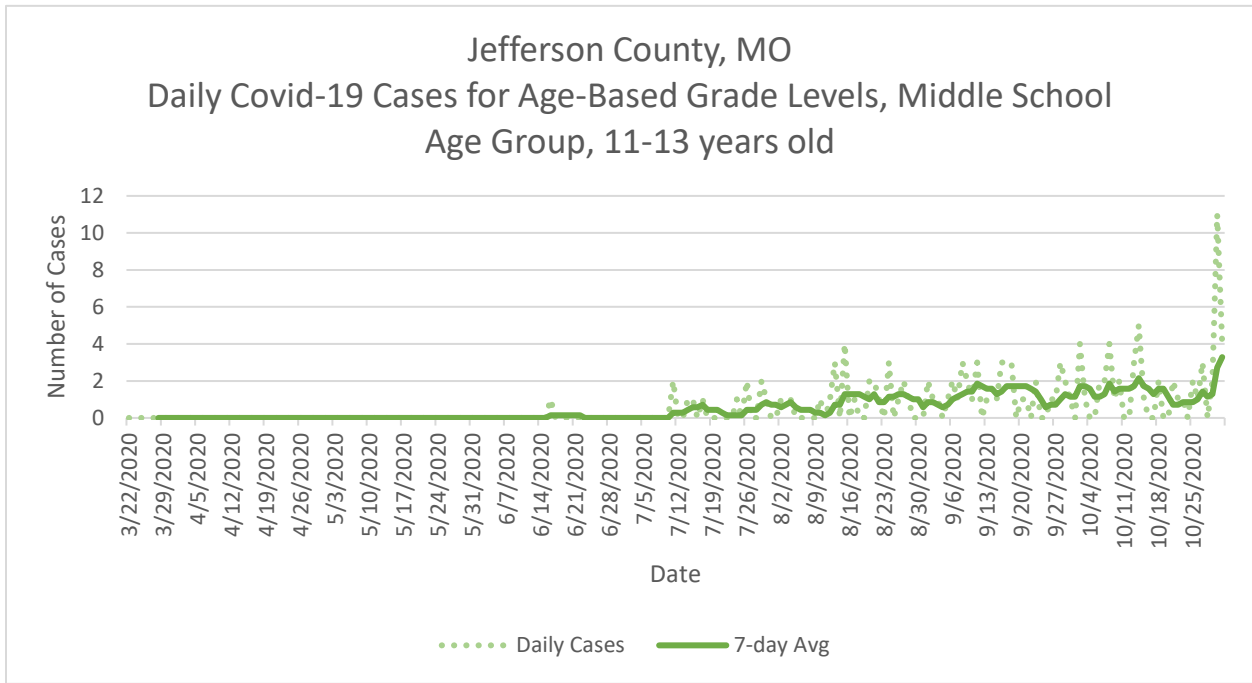


Figure 7. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, High School Age Group Jefferson County, Missouri

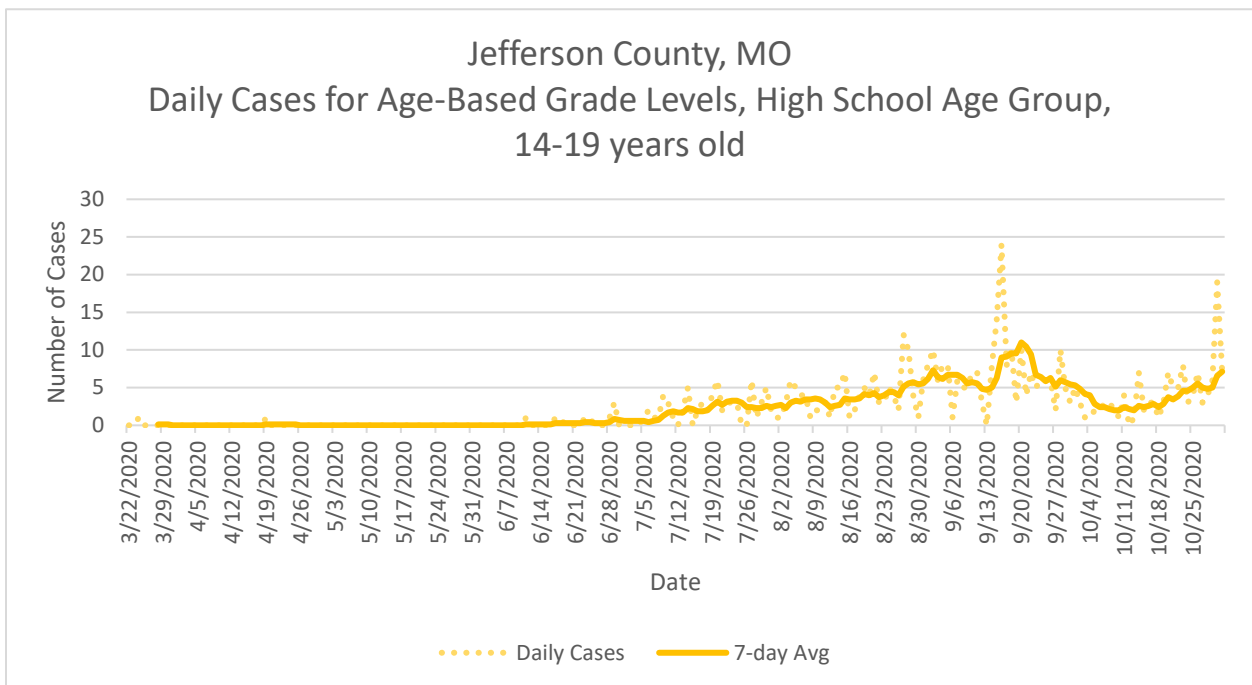


Figure 8. Overlay of 7-Day Rolling Average of Daily Covid-19 Cases for all Age-Based Grade Levels
Jefferson County, Missouri

