



*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 43: October 18- October 24**

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

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**SUMMARY:**

- During Week 43 a total of 364 confirmed and probable Covid-19 cases were reported in Jefferson County. A year-to-date total of 5943 confirmed and probable Covid-19 cases have been reported in Jefferson County as of Week 43.
- Seventy-nine Covid-19 associated deaths have been reported in Jefferson County as of Week 43.
- Twenty-one 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
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	25	305
20	5/10/2020	23	328
21	5/17/2020	14	342
22	5/24/2020	16	358
23	5/31/2020	55	413
24	6/7/2020	15	428
25	6/14/2020	32	460
26	6/21/2020	62	522
27	6/28/2020	40	562
28	7/5/2020	163	725
29	7/12/2020	172	897
30	7/19/2020	250	1147
31	7/26/2020	298	1445
32	8/2/2020	323	1768
33	8/9/2020	323	2091
34	8/16/2020	320	2411
35	8/23/2020	410	2821
36	8/30/2020	434	3255
37	9/6/2020	386	3641
38	9/13/2020	493	4134
39	9/20/2020	436	4570
40	9/27/2020	355	4925
41	10/4/2020	309	5234
42	10/11/2020	345	5579
43	10/18/2020	364	5943

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

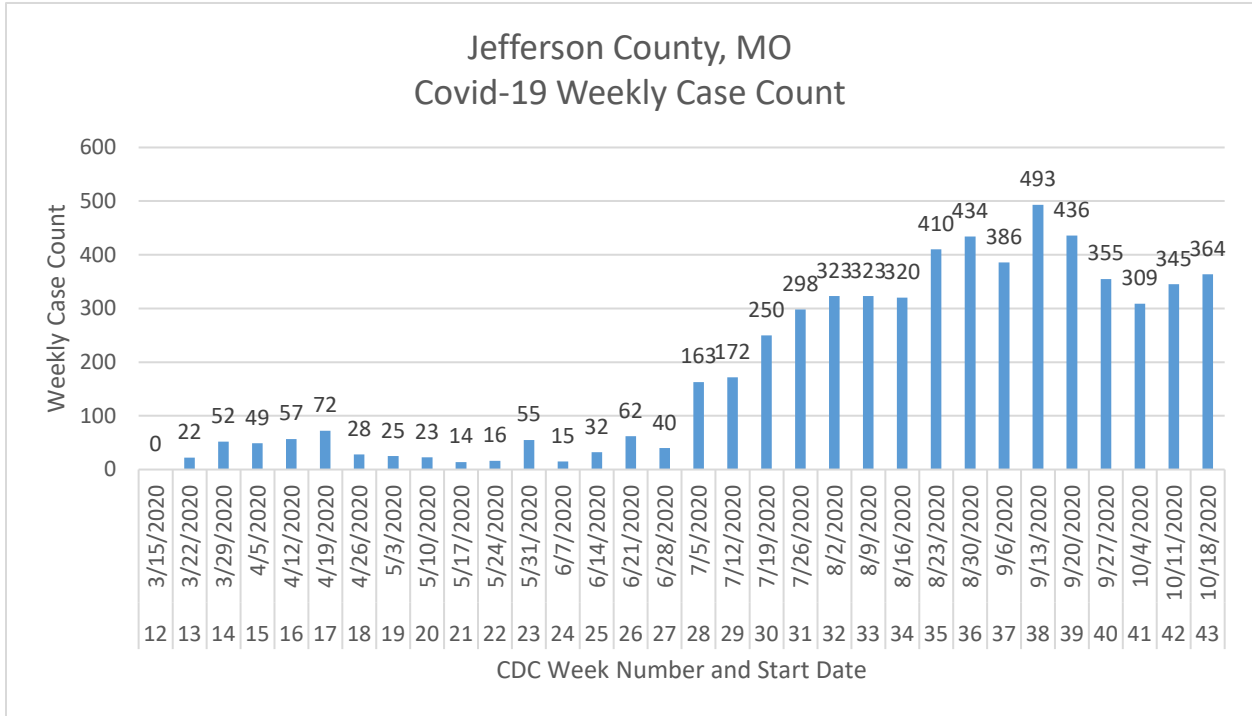


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week, Jefferson County, Missouri

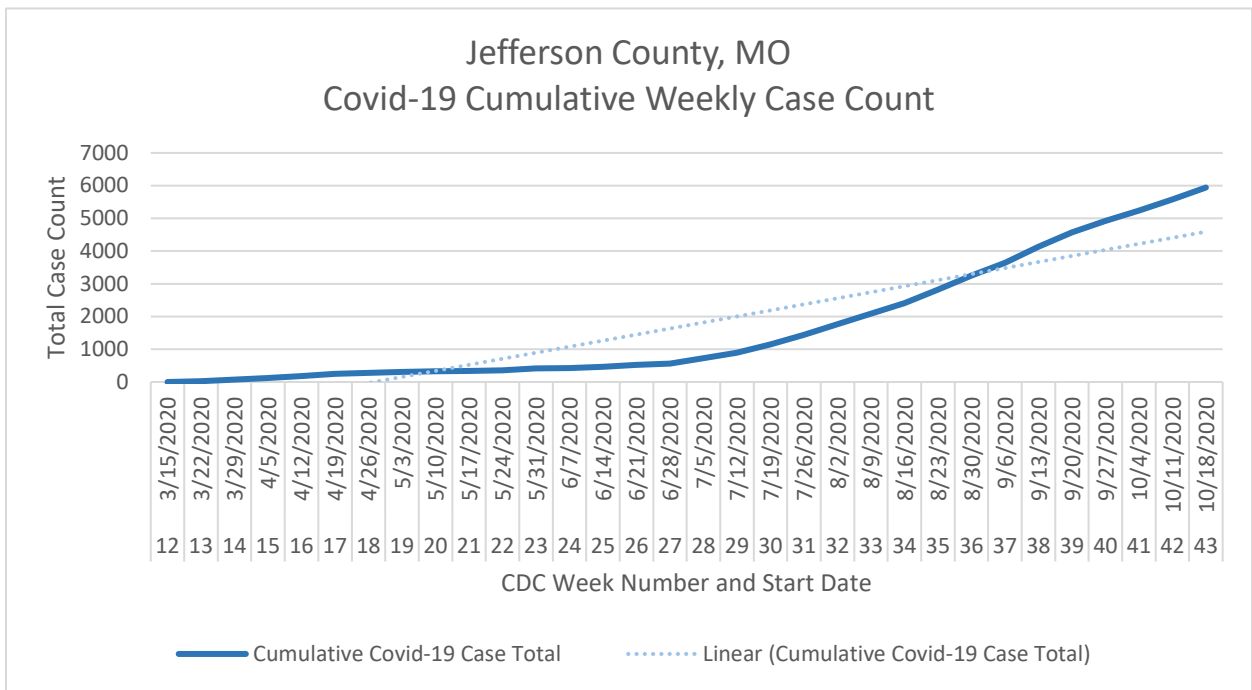


Figure 3. Covid-19 Daily Case Count and 7-Day Average, Jefferson County, Missouri

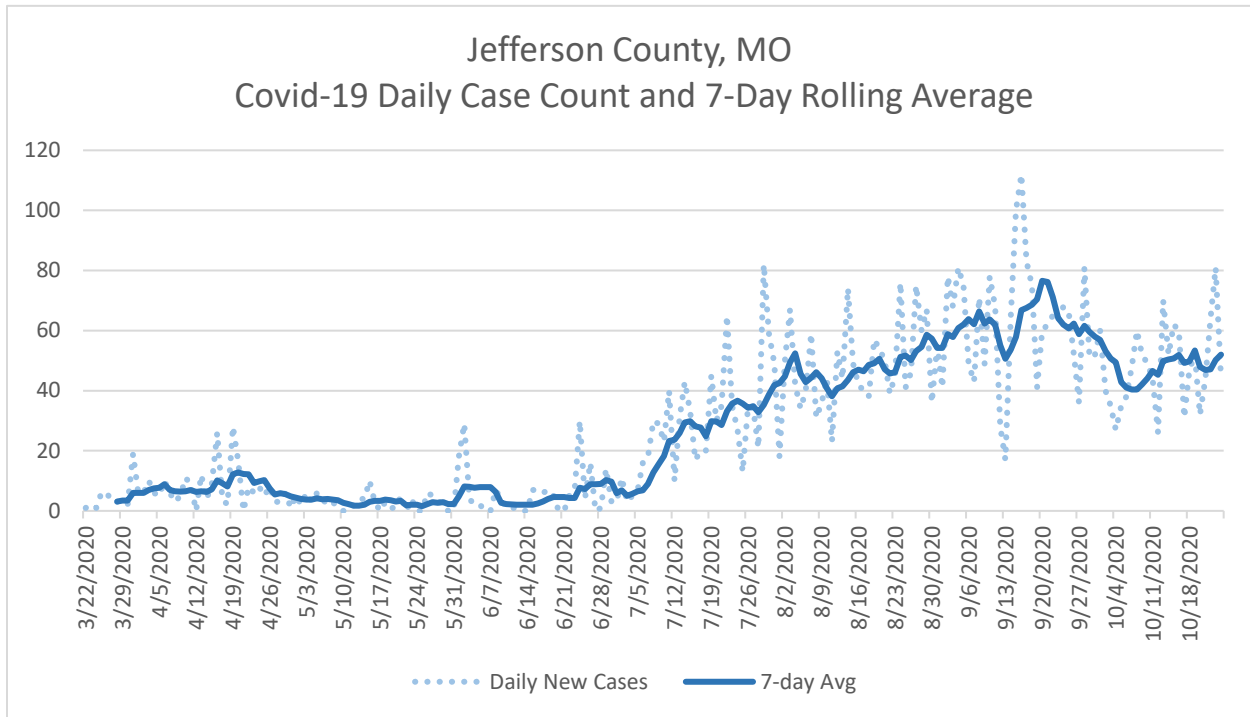


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates, Jefferson County, Missouri

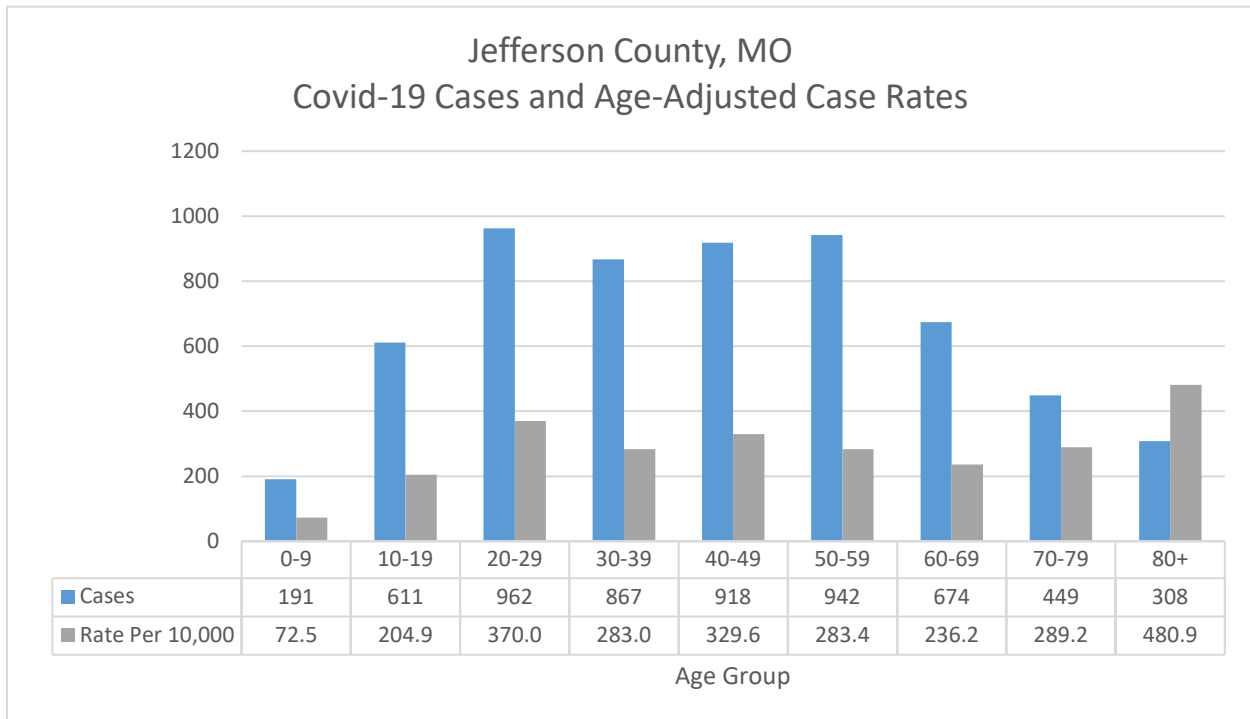


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group, Jefferson County, Missouri

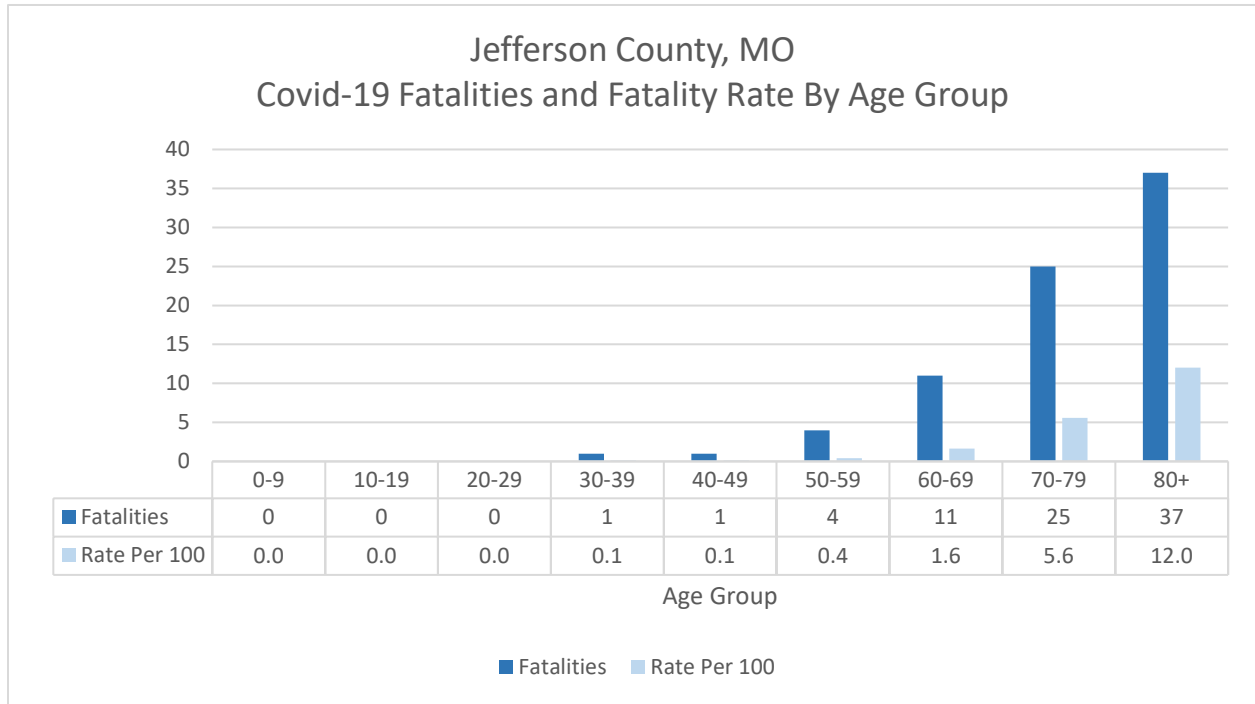


Table 2. Approximate Covid-19 Cumulative Fatality Rates

Jefferson County	1.33%
Missouri	1.64%
US	2.61%

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

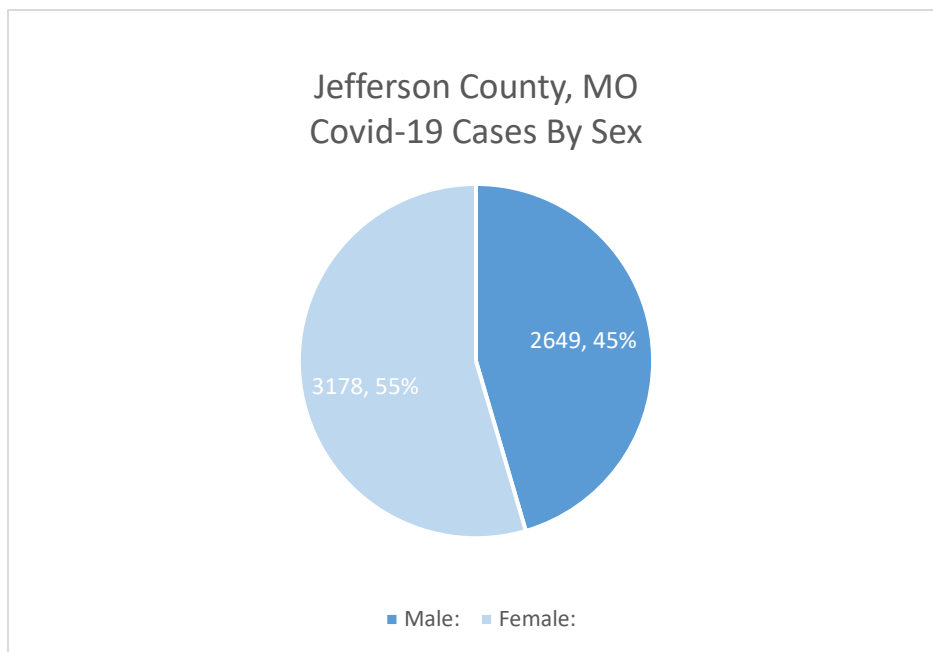


Figure 7. Covid-19 PCR Test Results by Week, Jefferson County, Missouri

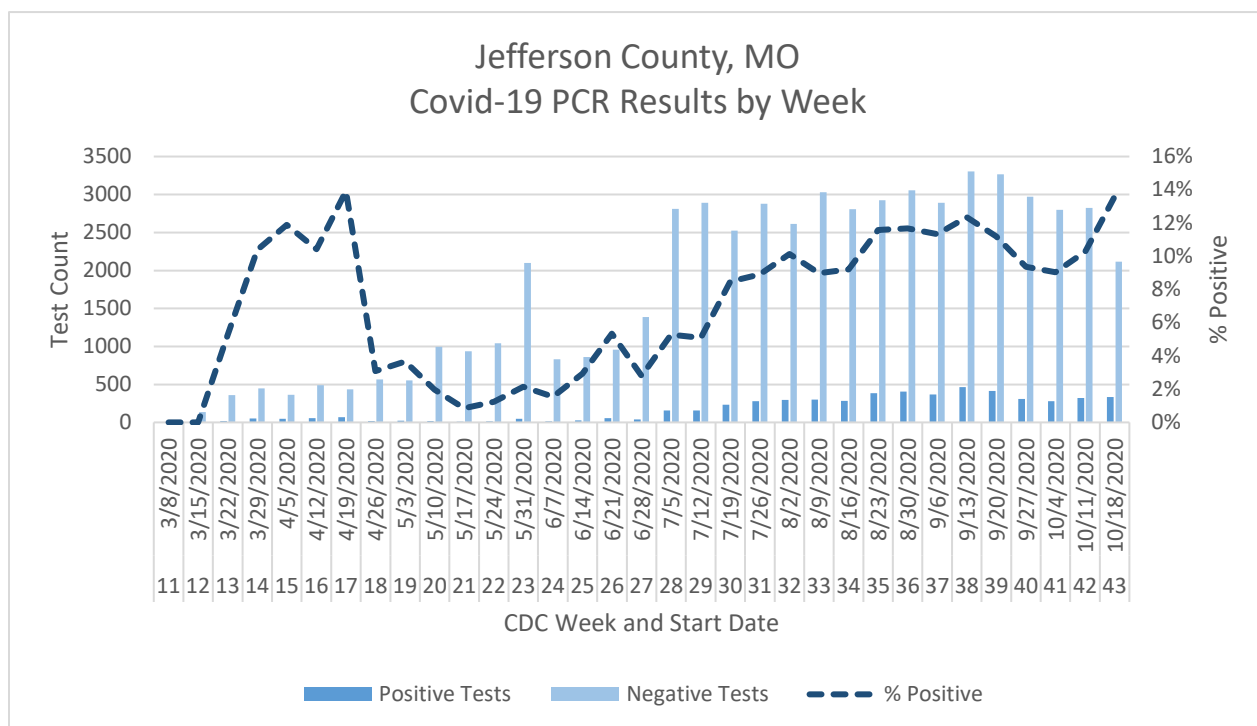


Table 3. Covid-19 PCR Test Results and Percent Positive  
by Week, Jefferson County, Missouri

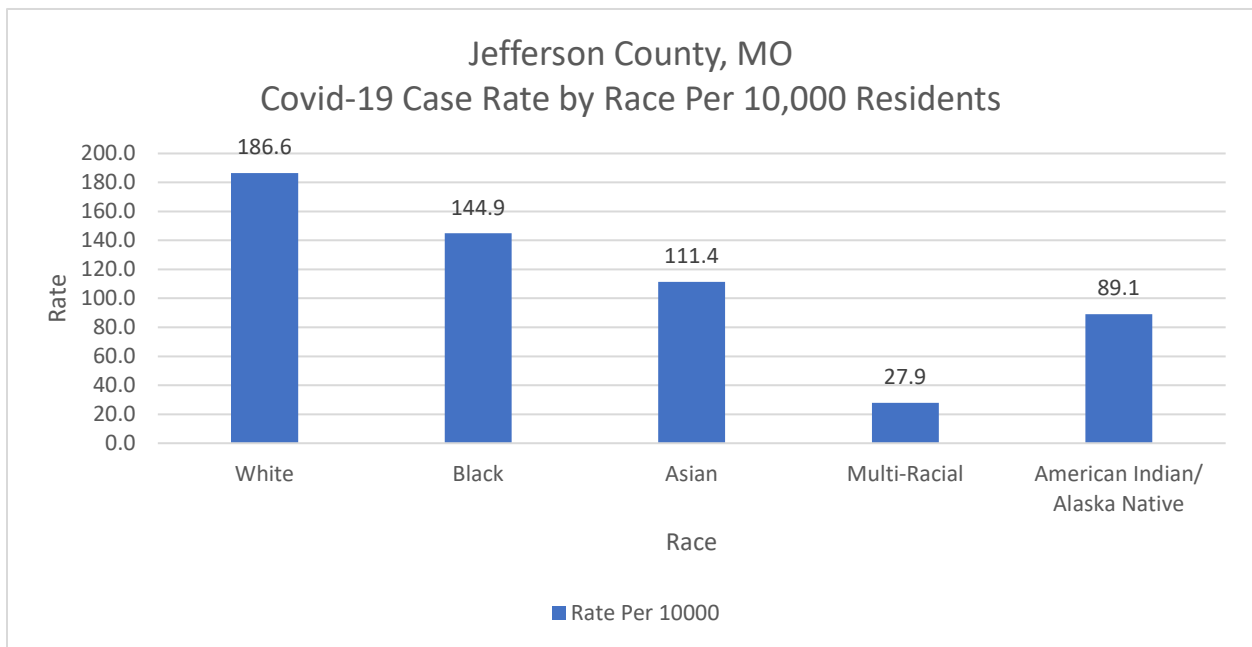
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
11	3/8/2020	0	7	7	0.0%
12	3/15/2020	0	137	137	0.0%
13	3/22/2020	20	361	381	5.2%
14	3/29/2020	52	449	501	10.4%
15	4/5/2020	49	363	412	11.9%
16	4/12/2020	57	490	547	10.4%
17	4/19/2020	70	433	503	13.9%
18	4/26/2020	18	566	584	3.1%
19	5/3/2020	21	553	574	3.7%
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	295	2615	2910	10.1%
33	8/9/2020	299	3030	3329	9.0%
34	8/16/2020	285	2807	3092	9.2%
35	8/23/2020	383	2923	3306	11.6%
36	8/30/2020	404	3057	3461	11.7%
37	9/6/2020	369	2889	3258	11.3%
38	9/13/2020	465	3302	3767	12.3%
39	9/20/2020	412	3266	3678	11.2%
40	9/27/2020	307	2972	3279	9.4%
41	10/4/2020	278	2800	3078	9.0%
42	10/11/2020	323	2822	3145	10.3%
43	10/18/2020	332	2114	2446	13.6%

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

Race	Cases	Rate Per 10000
White	4022	186.6
Black	39	144.9
Asian	20	111.4
Multi-Racial	10	27.9
American Indian/ Alaska Native	6	89.1
Unknown	207	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

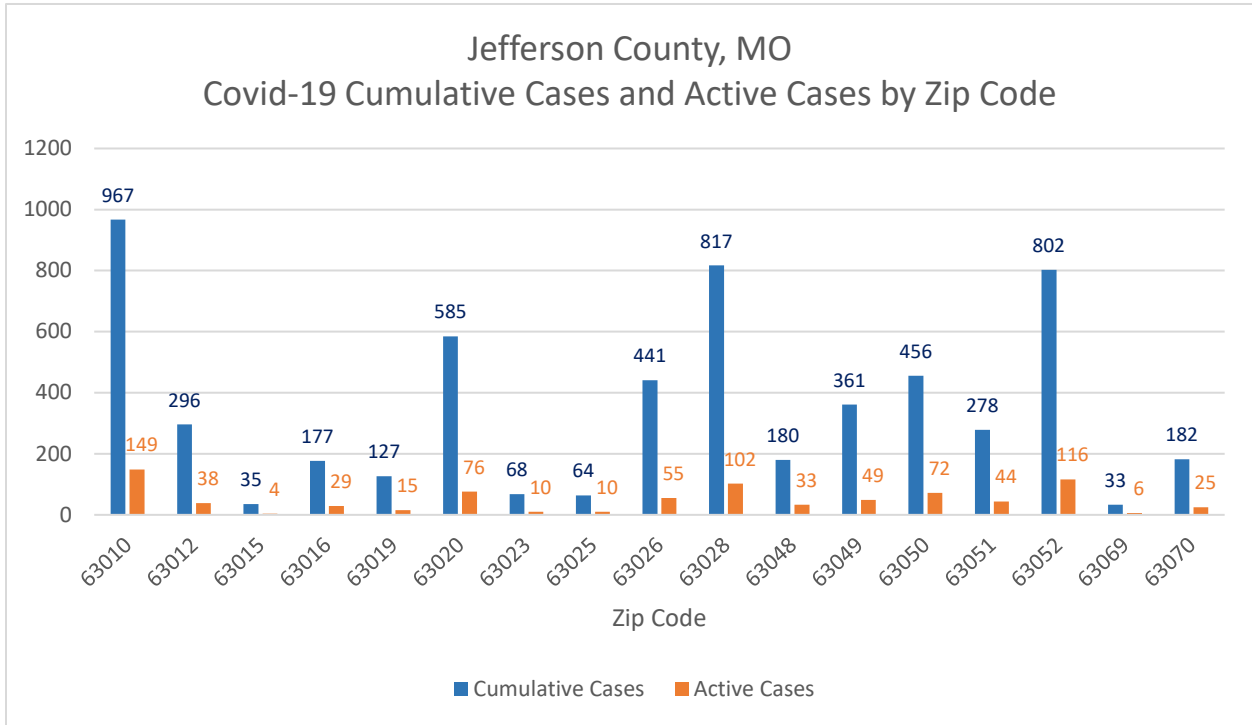
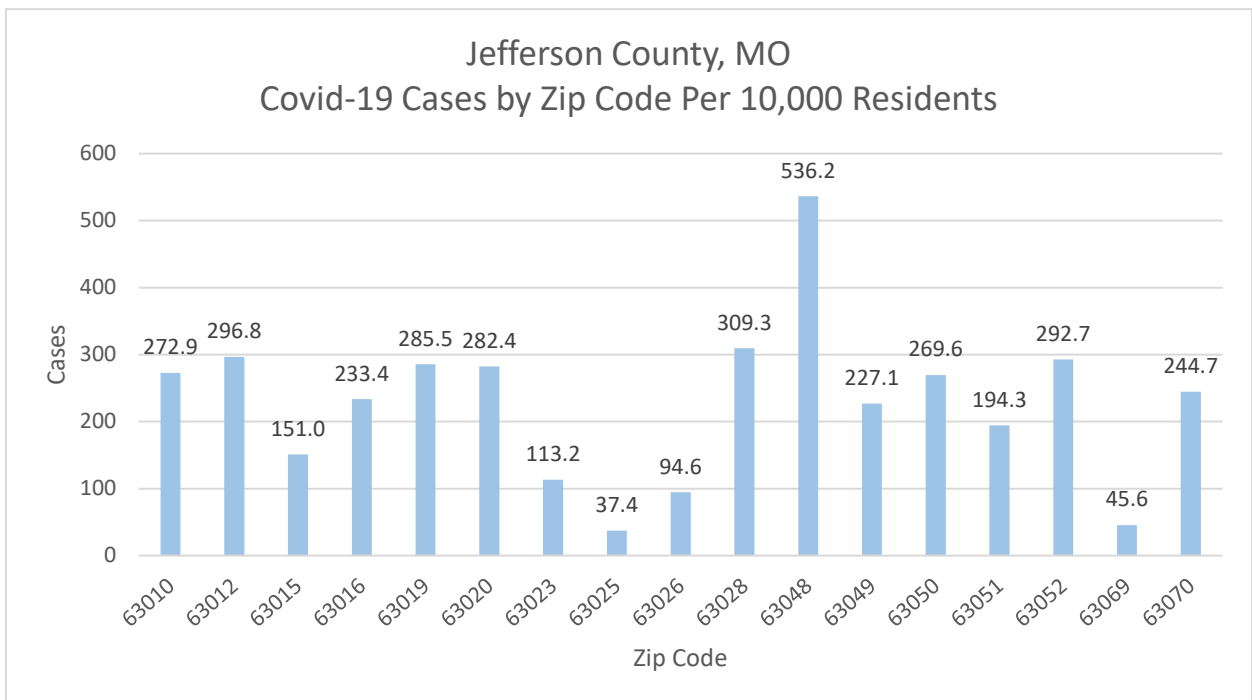


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County, Missouri





*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 43: October 18- October 24**

*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 43 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
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	16	195
20	5/10/2020	11	206
21	5/17/2020	10	216
22	5/24/2020	11	227
23	5/31/2020	29	256
24	6/7/2020	13	269
25	6/14/2020	31	300
26	6/21/2020	35	335
27	6/28/2020	39	374
28	7/5/2020	158	532
29	7/12/2020	167	699
30	7/19/2020	196	895
31	7/26/2020	247	1142
32	8/2/2020	298	1440
33	8/9/2020	282	1722
34	8/16/2020	289	2011
35	8/23/2020	352	2363
36	8/30/2020	407	2770
37	9/6/2020	356	3126
38	9/13/2020	470	3596
39	9/20/2020	408	4004
40	9/27/2020	334	4338
41	10/4/2020	286	4624
42	10/11/2020	326	4950
43	10/18/2020	351	5301

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

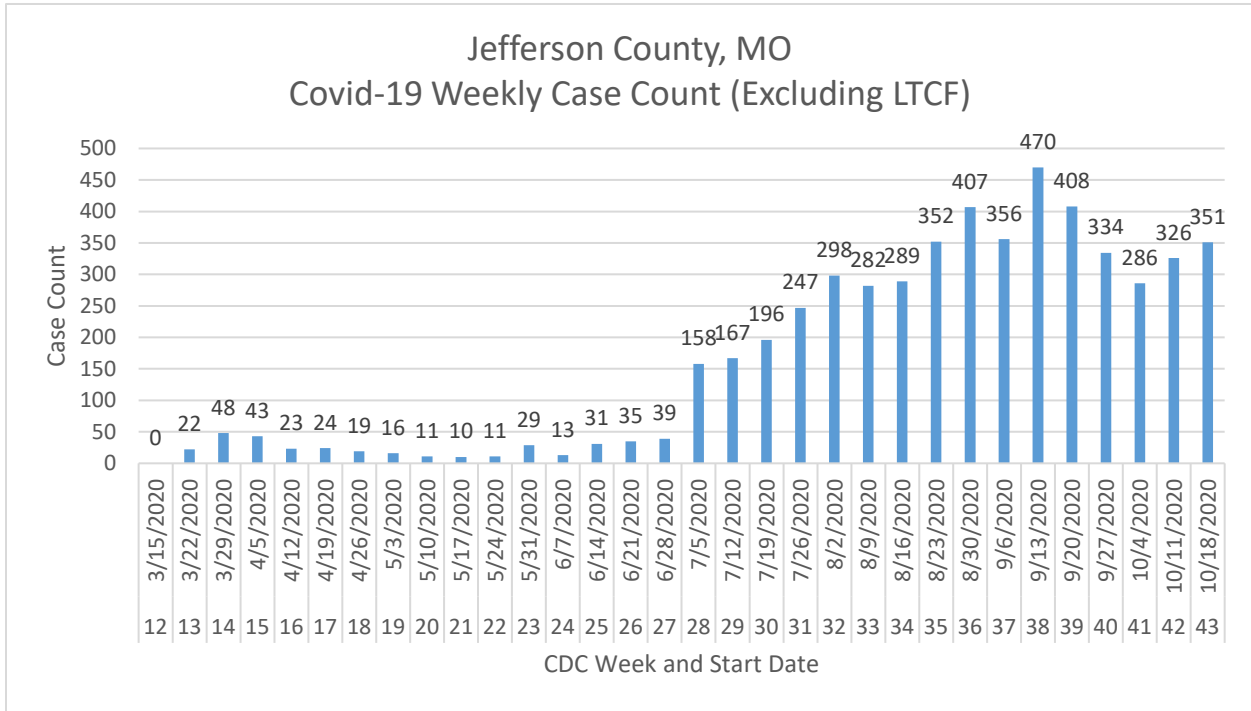


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week (Excluding LTCFs), Jefferson County, Missouri

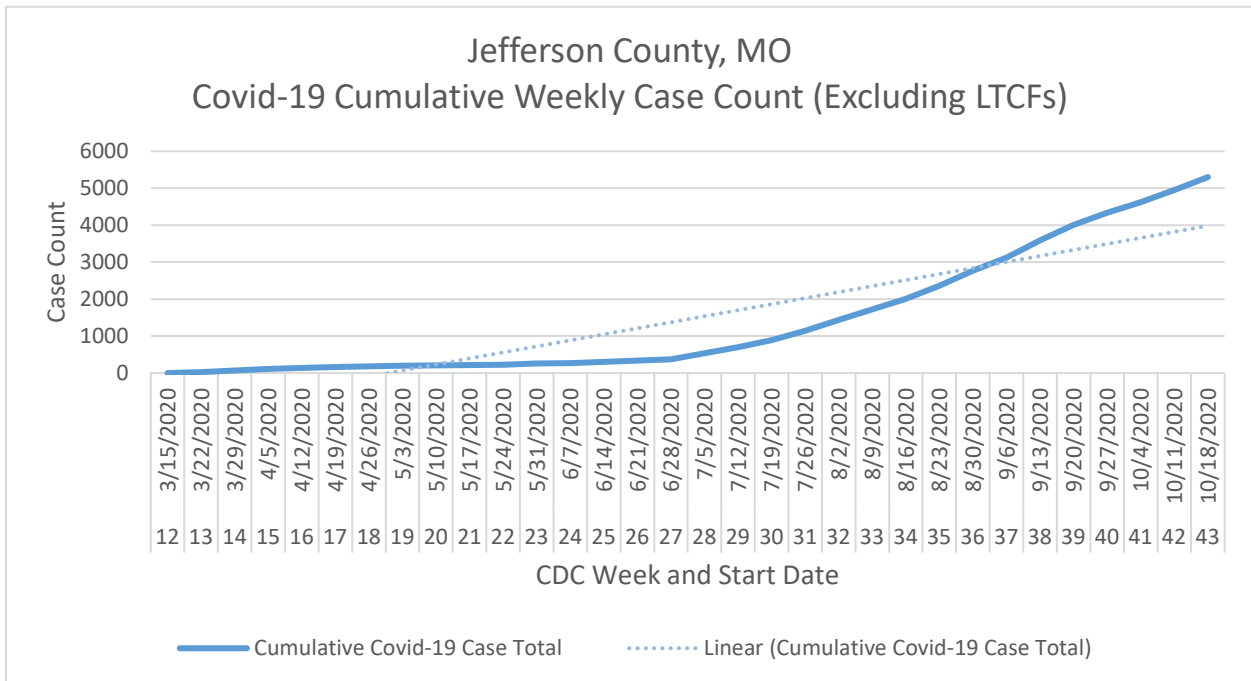


Figure 3. Covid-19 Daily Case Count and 7-Day Average (Excluding LTCFs), Jefferson County, Missouri

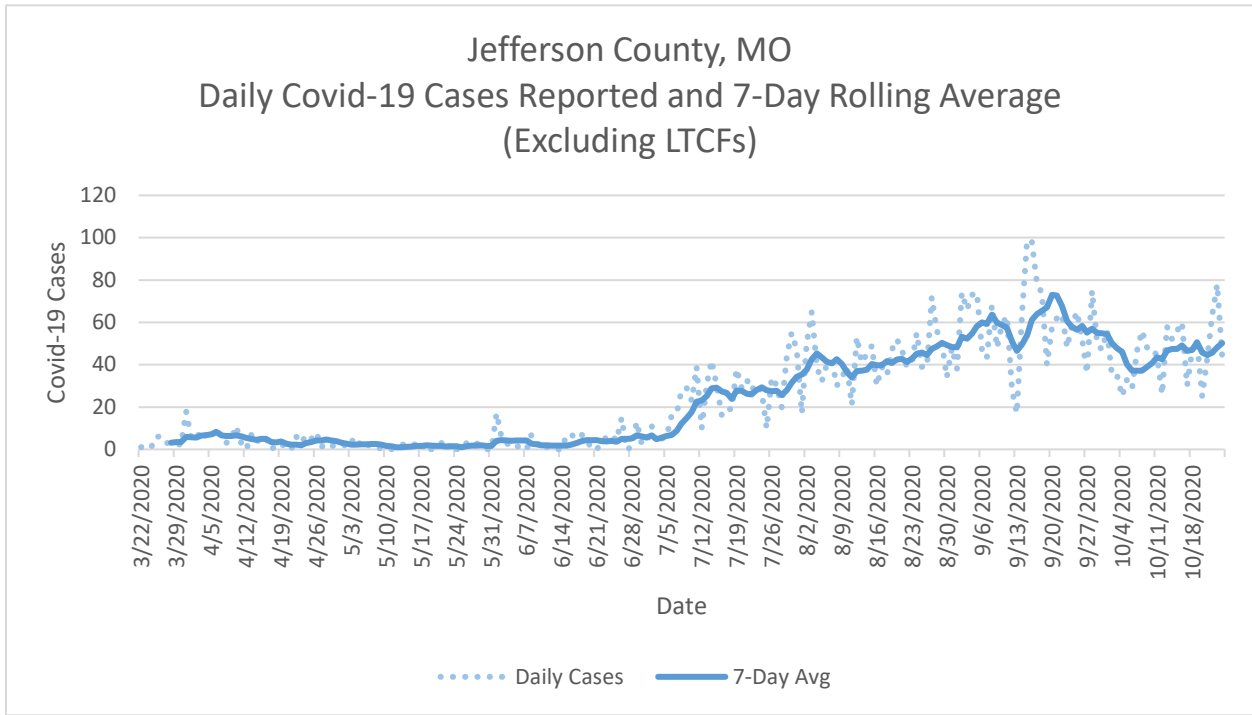


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates (Excluding LTCFs), Jefferson County, Missouri

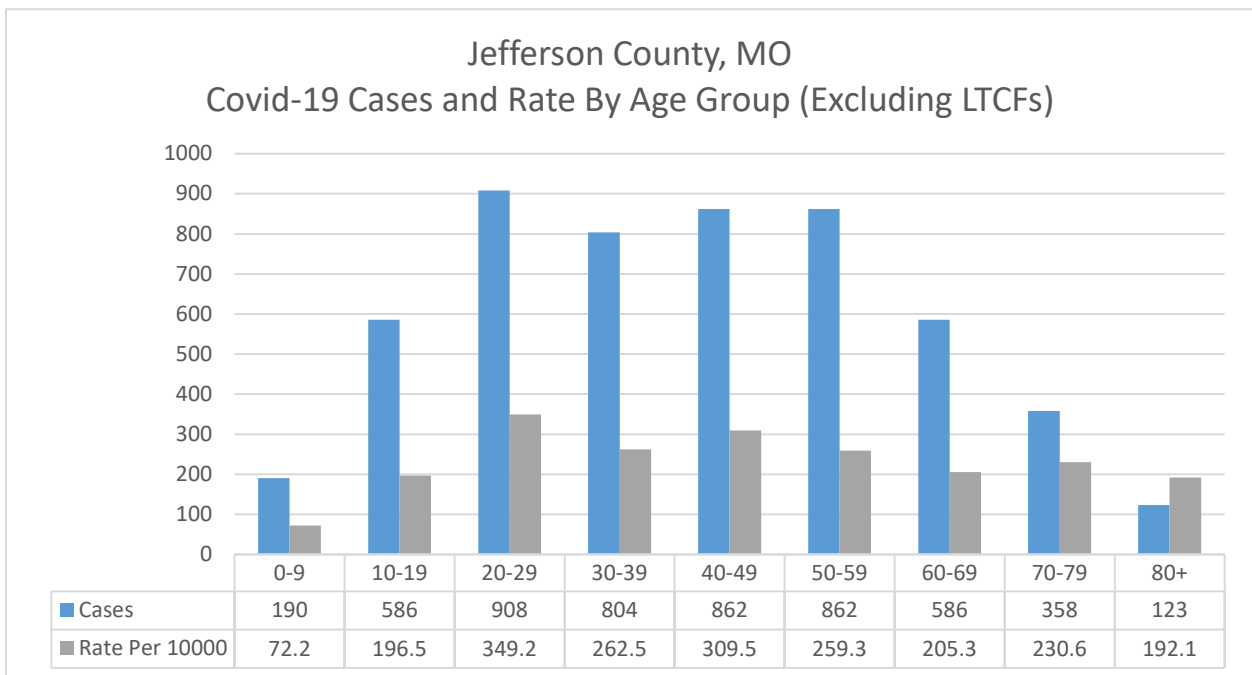


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group (Excluding LTCFs), Jefferson County, Missouri

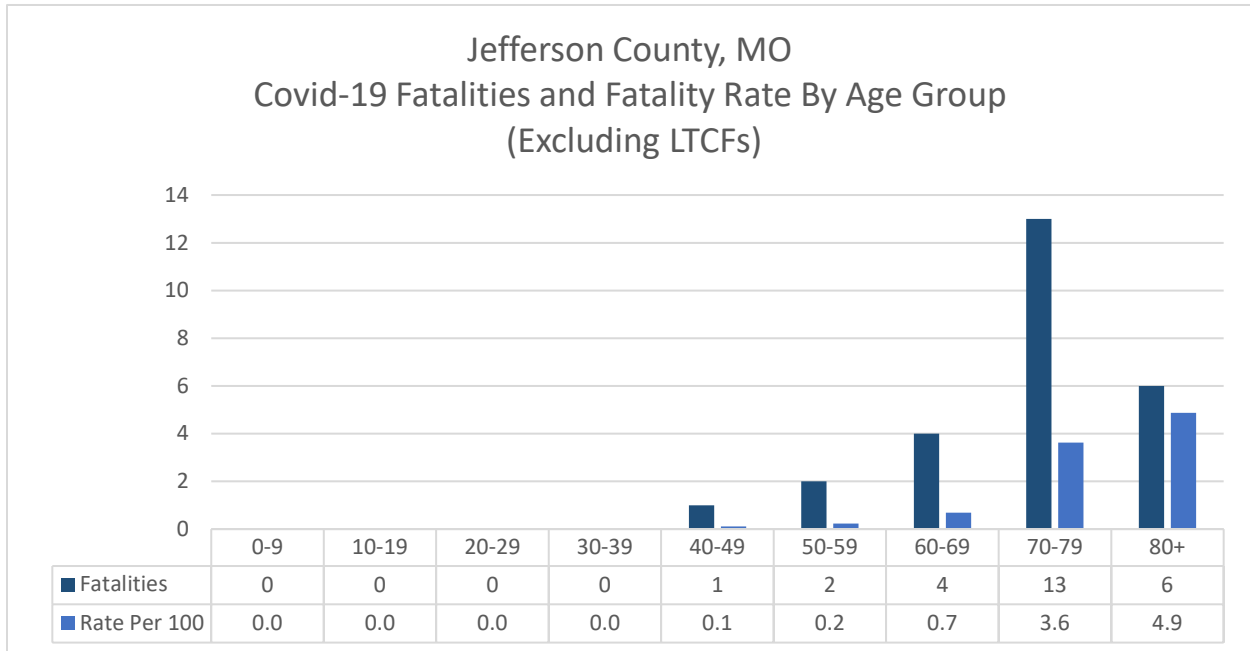


Table 2. Approximate Covid-19 Cumulative Fatality Rates (Excluding LTCFs)\*

<b>Jefferson County</b>	<b>.49%</b>

\*Missouri and United States data unavailable

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

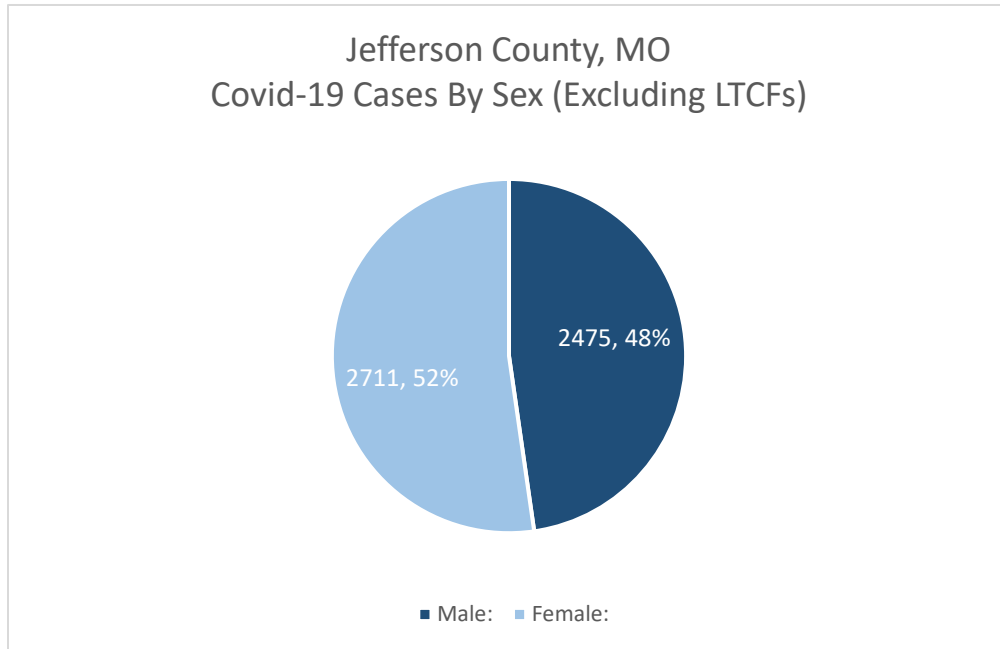


Figure 7. Covid-19 PCR Test Results by Week (Excluding LTCFs), Jefferson County, Missouri

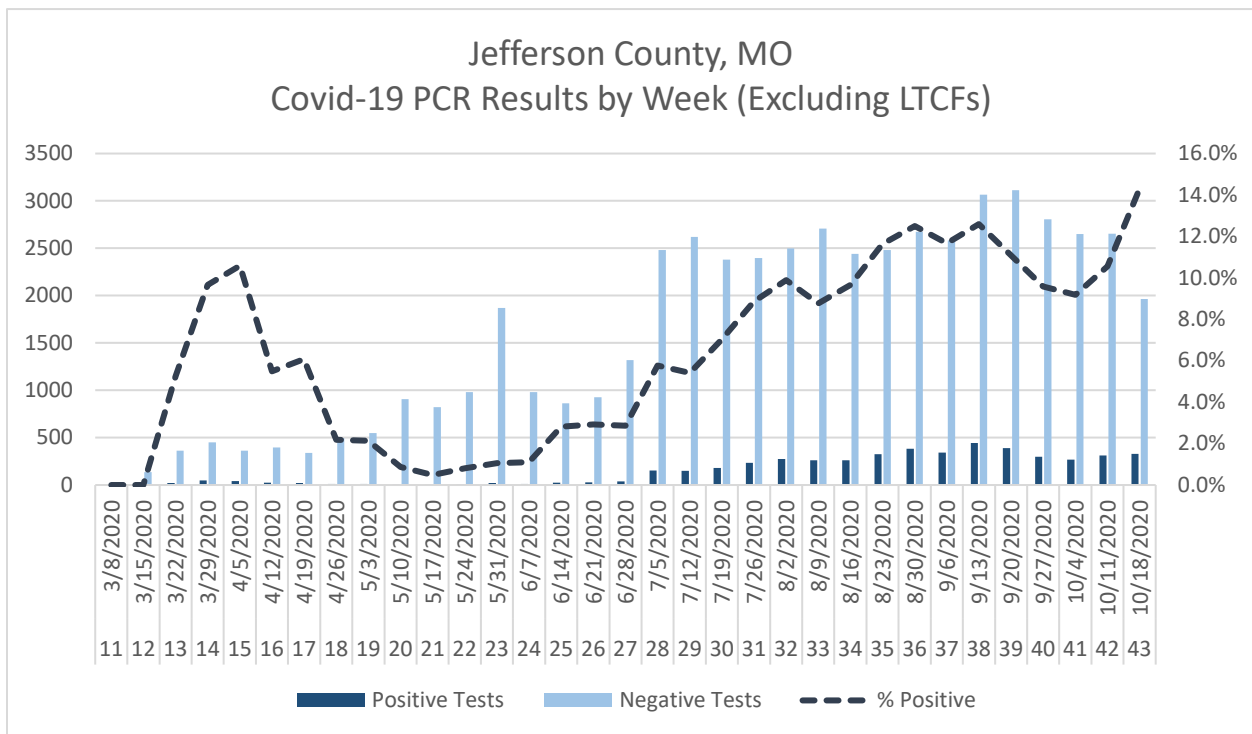


Table 3. Covid-19 PCR Test Results and Percent Positive  
by Week, Jefferson County (Excluding LTCFs),  
Missouri

CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
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	12	549	561	2.1%
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	274	2497	2771	9.9%
33	8/9/2020	260	2707	2967	8.8%
34	8/16/2020	261	2440	2701	9.7%
35	8/23/2020	327	2482	2809	11.6%
36	8/30/2020	382	2672	3054	12.5%
37	9/6/2020	341	2582	2923	11.7%
38	9/13/2020	442	3066	3508	12.6%
39	9/20/2020	388	3112	3500	11.1%
40	9/27/2020	297	2805	3102	9.6%
41	10/4/2020	268	2650	2918	9.2%
42	10/11/2020	313	2652	2965	10.6%
43	10/18/2020	328	1964	2292	14.3%

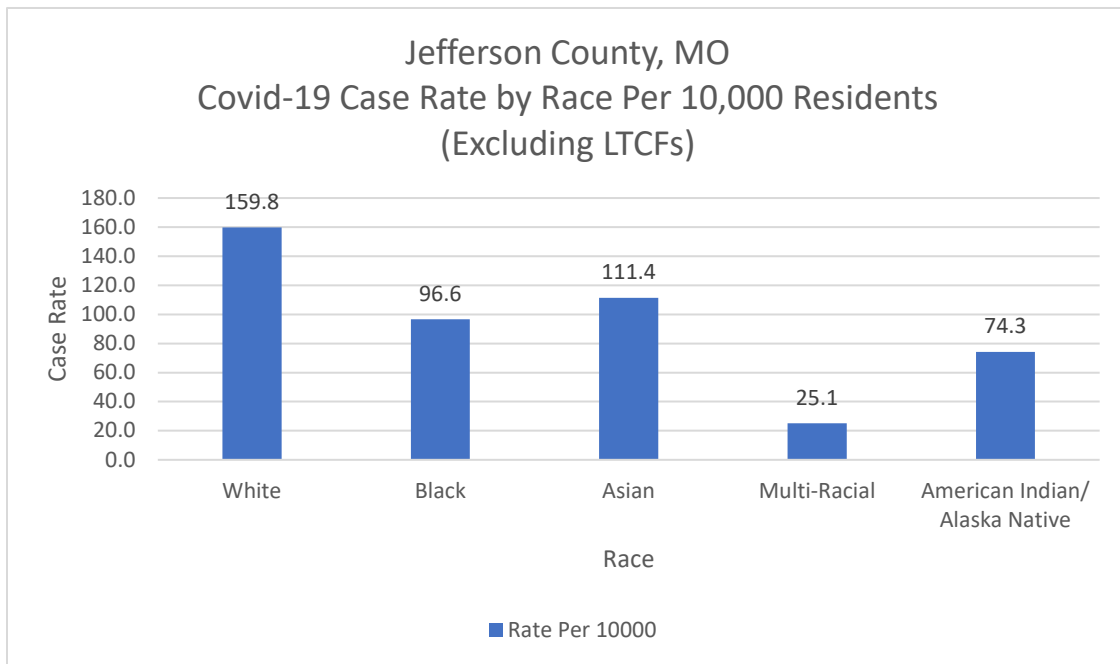


Table 4. Covid-19 Cases and Rate Per 10,000 by Race, Jefferson County (Excluding LTCFs), Missouri\*

Race	Cases	Rate Per 10000
White	3446	159.8
Black	26	96.6
Asian	20	111.4
Multi-Racial	9	25.1
American Indian/ Alaska Native	5	74.3
Unknown	177	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

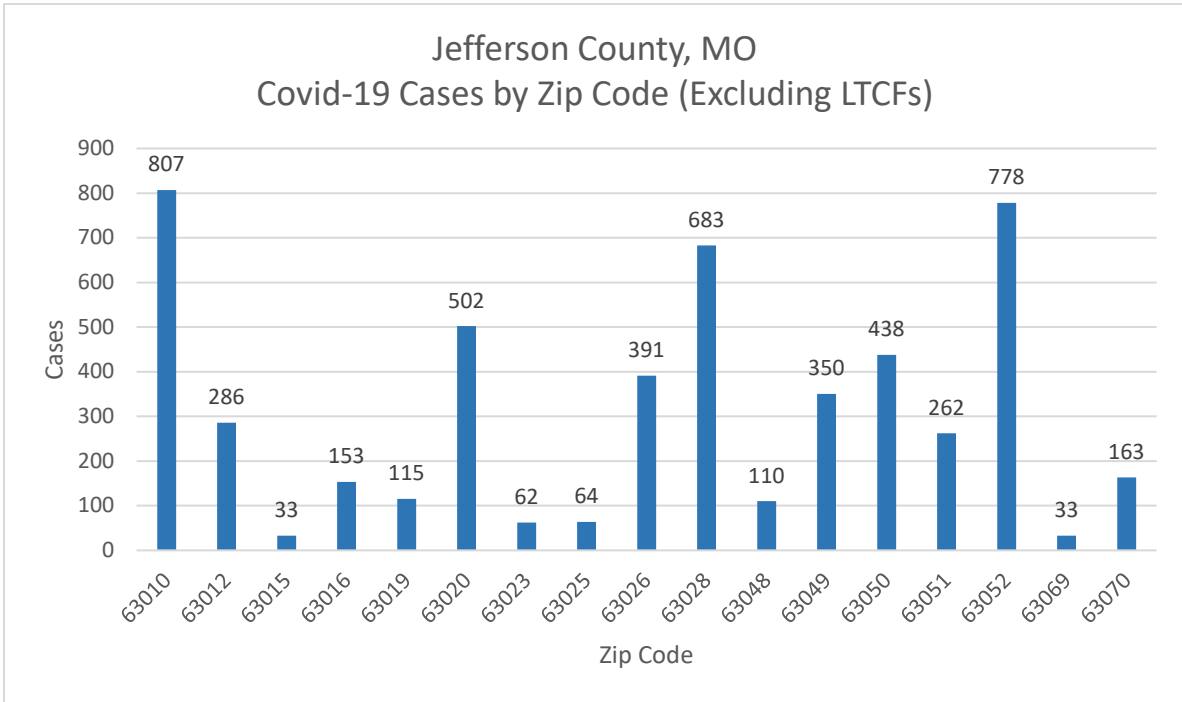
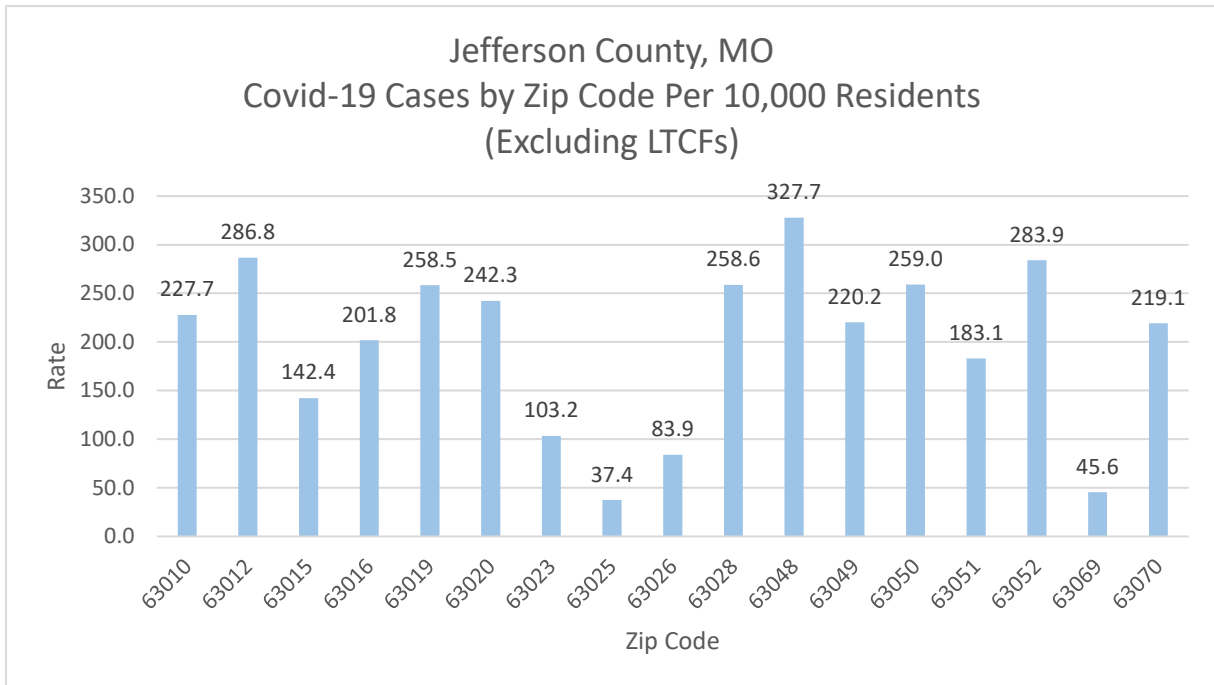


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County (Excluding LTCFs), Missouri





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

**Week 43: October 18- October 24**

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

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**SUMMARY:**

- During Week 43 a total of 50 confirmed and probable Covid-19 cases were reported in Jefferson County for the 0-19 year age group. A year-to-date total of 802 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	<b>8/9/2020</b>	<b>40</b>	<b>212</b>
34	8/16/2020	50	262
35	8/23/2020	61	323
36	8/30/2020	72	395
37	9/6/2020	63	458
38	9/13/2020	95	553
39	9/20/2020	71	624
40	9/27/2020	53	677
41	10/4/2020	33	710
42	10/11/2020	42	752
43	10/18/2020	50	802

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

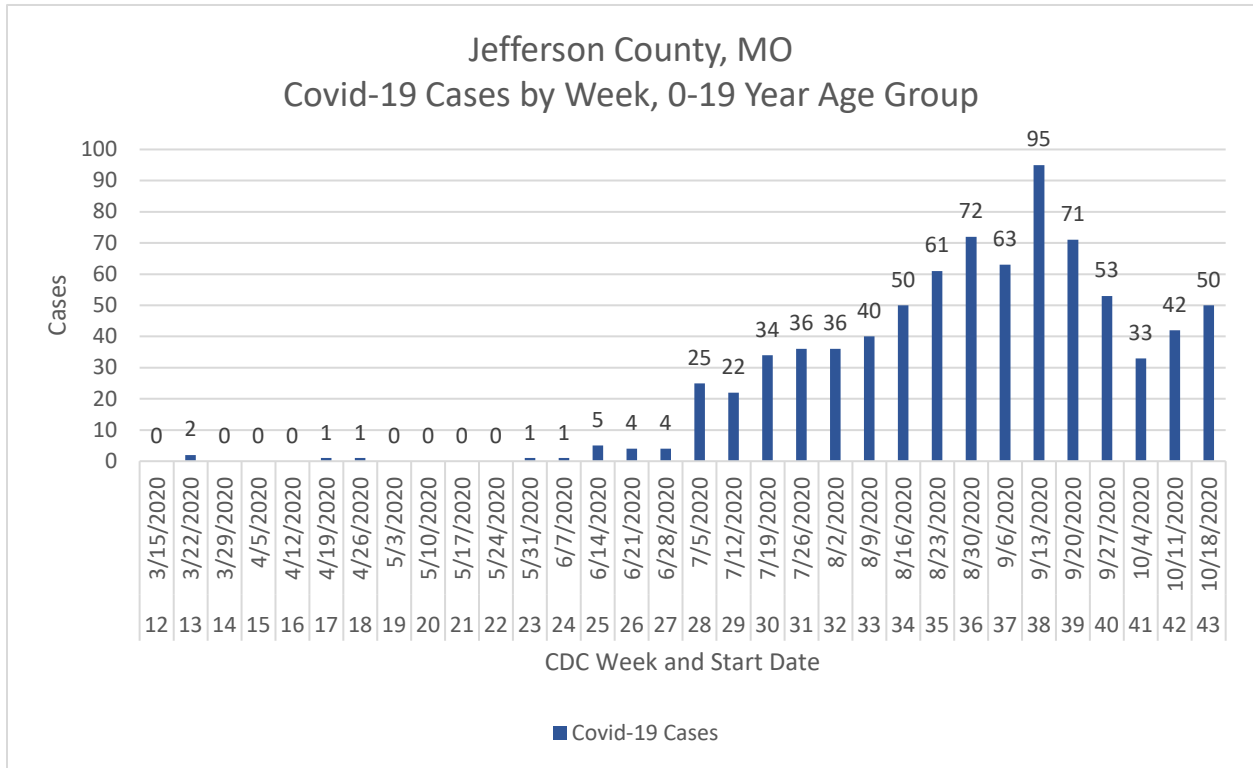


Table 2. Covid-19 Cases by Age Group, Jefferson County, Missouri

Age Group	Cases	Percent
0-9	191	3.21%
10-19	611	10.28%
20+	5120	86.15%

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

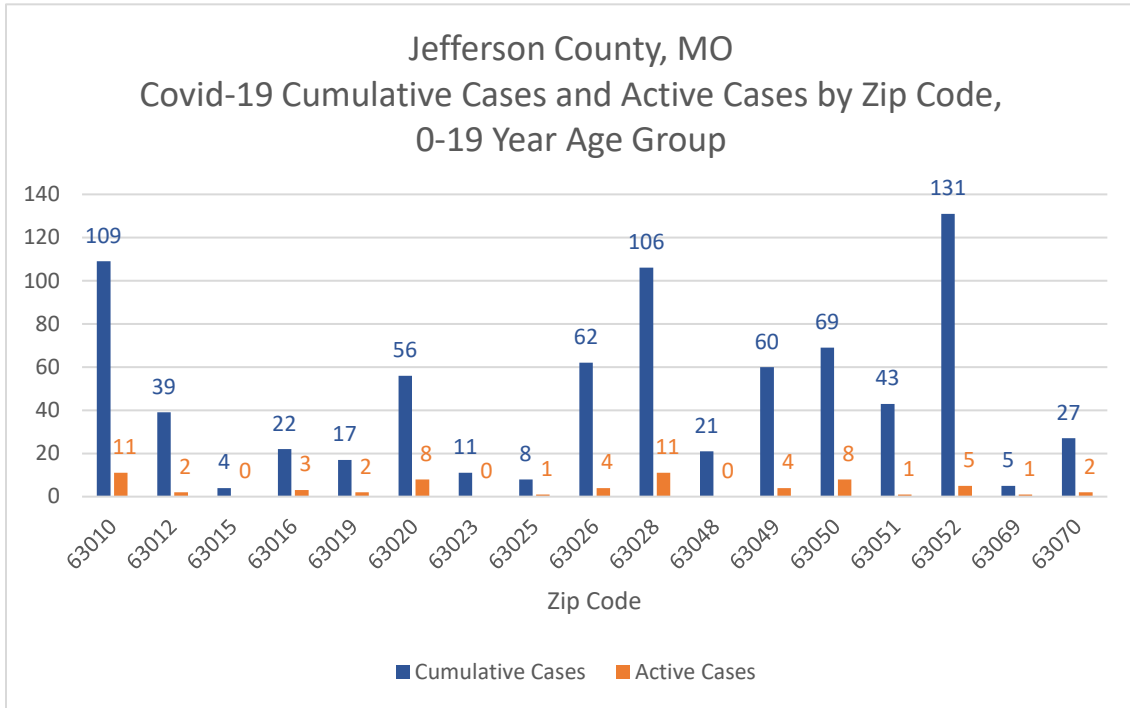


Figure 3. Covid-19 Cases by Age-Based Grade Levels, Jefferson County, Missouri

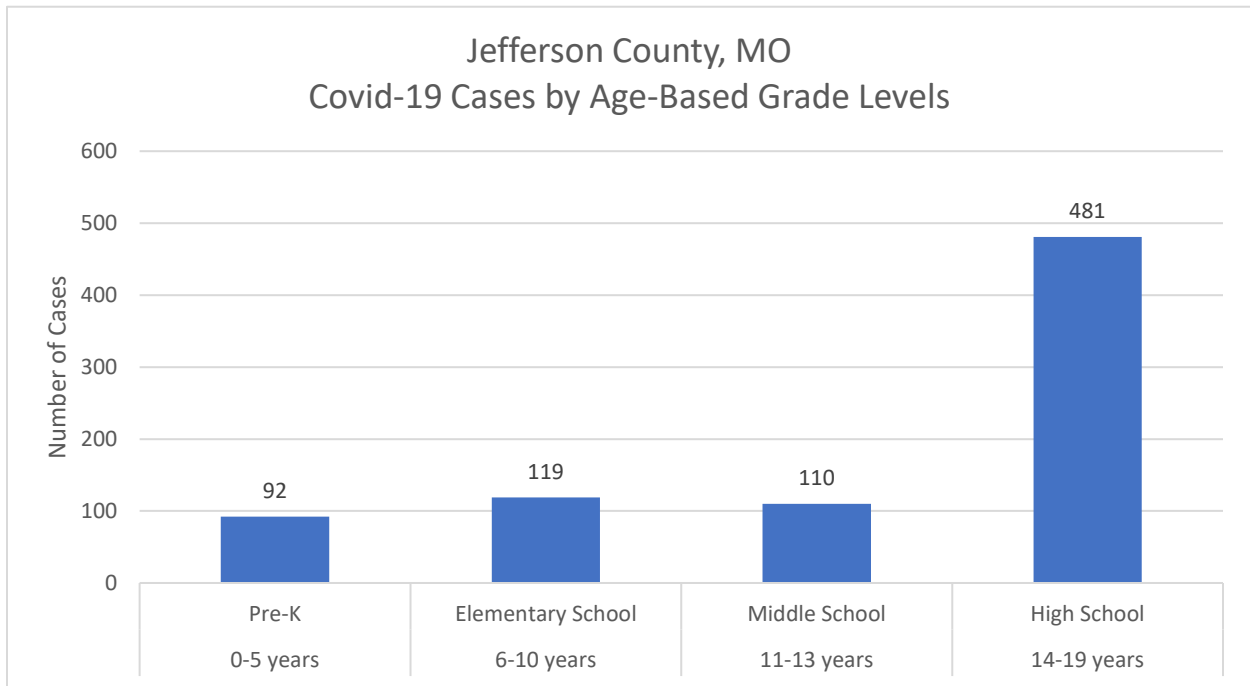


Figure 4. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Pre-K Age Group Jefferson County, Missouri

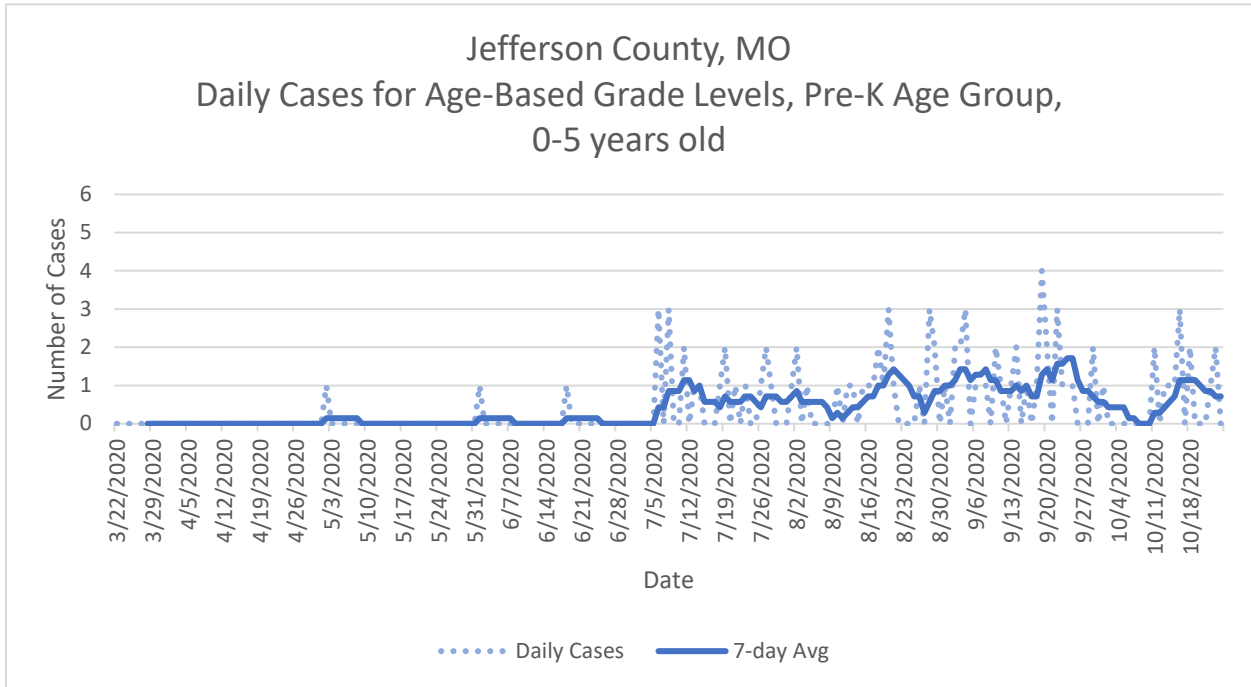


Figure 5. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Elementary School Age Group, Jefferson County, Missouri

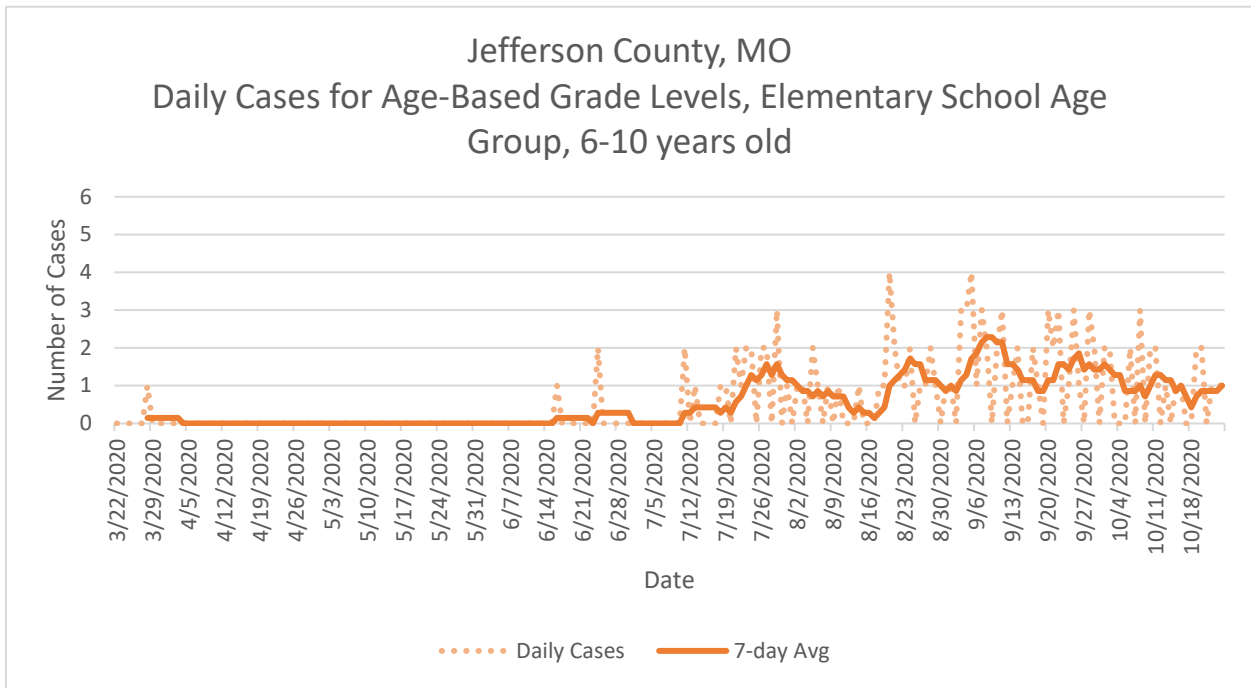


Figure 6. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Middle School Age Group Jefferson County, Missouri

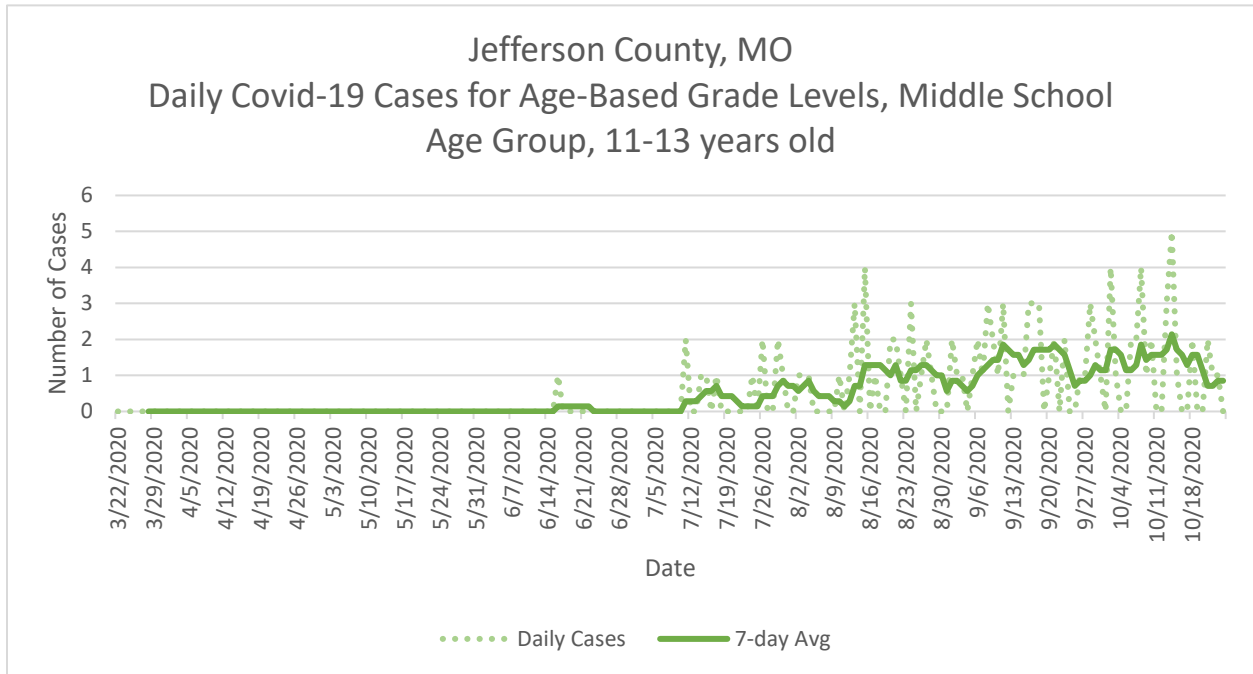


Figure 7. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, High School Age Group Jefferson County, Missouri

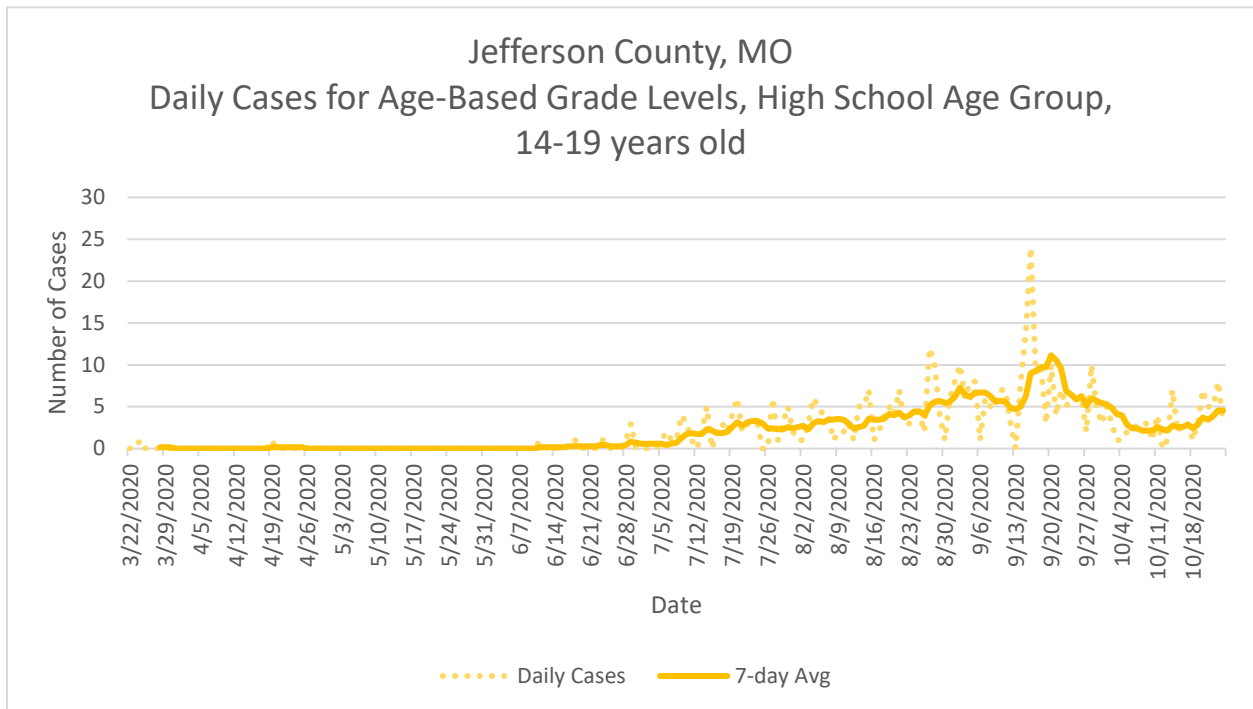




Figure 8. Overlay of 7-Day Rolling Average of Daily Covid-19 Cases for all Age-Based Grade Levels Jefferson County, Missouri

