



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 50: December 6- December 12

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

SUMMARY:

-This is a revised version of the Week 50 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	25	22
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	34	315
26	6/21/2020	37	352
27	6/28/2020	44	396
28	7/5/2020	161	557
29	7/12/2020	176	733
30	7/19/2020	201	934
31	7/26/2020	263	1197
32	8/2/2020	306	1503
33	8/9/2020	291	1794
34	8/16/2020	293	2087
35	8/23/2020	351	2438
36	8/30/2020	406	2844
37	9/6/2020	359	3203
38	9/13/2020	473	3676
39	9/20/2020	412	4088
40	9/27/2020	331	4419
41	10/4/2020	285	4704
42	10/11/2020	325	5029
43	10/18/2020	351	5380
44	10/25/2020	637	6017
45	11/1/2020	999	7016
46	11/8/2020	1582	8598
47	11/15/2020	1347	9945
48	11/22/2020	1282	11227
49	11/29/2020	1239	12466
50	12/6/2020	1027	13493

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

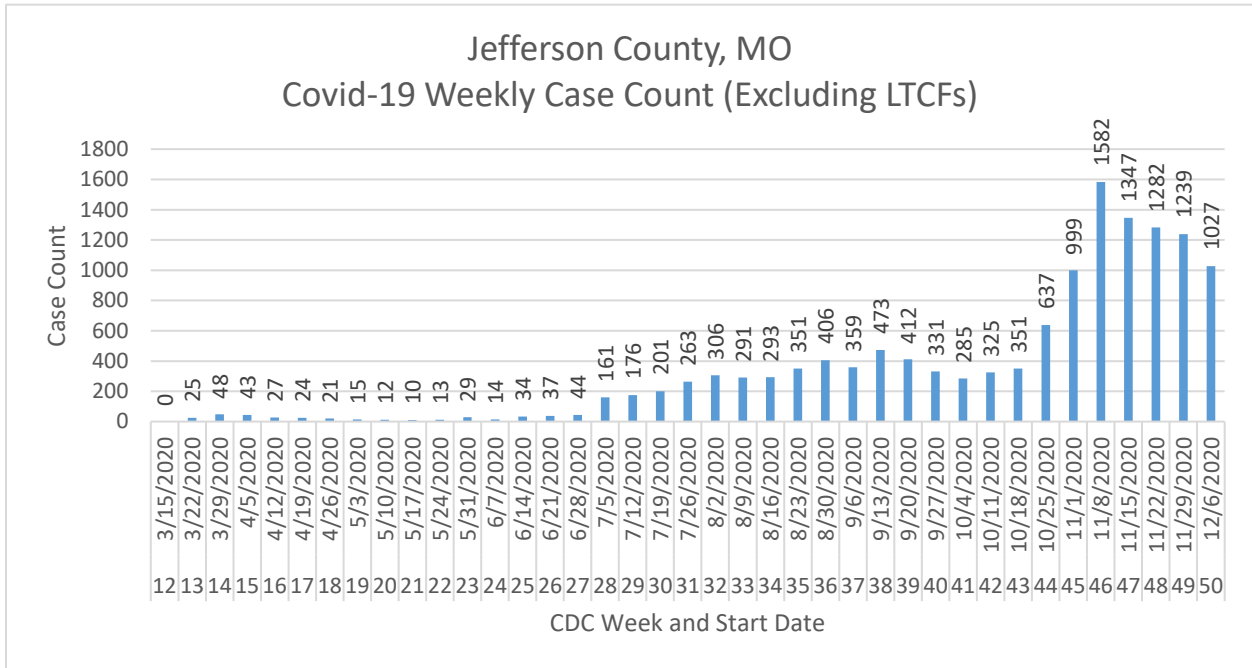


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week (Excluding LTCFs), Jefferson County, Missouri

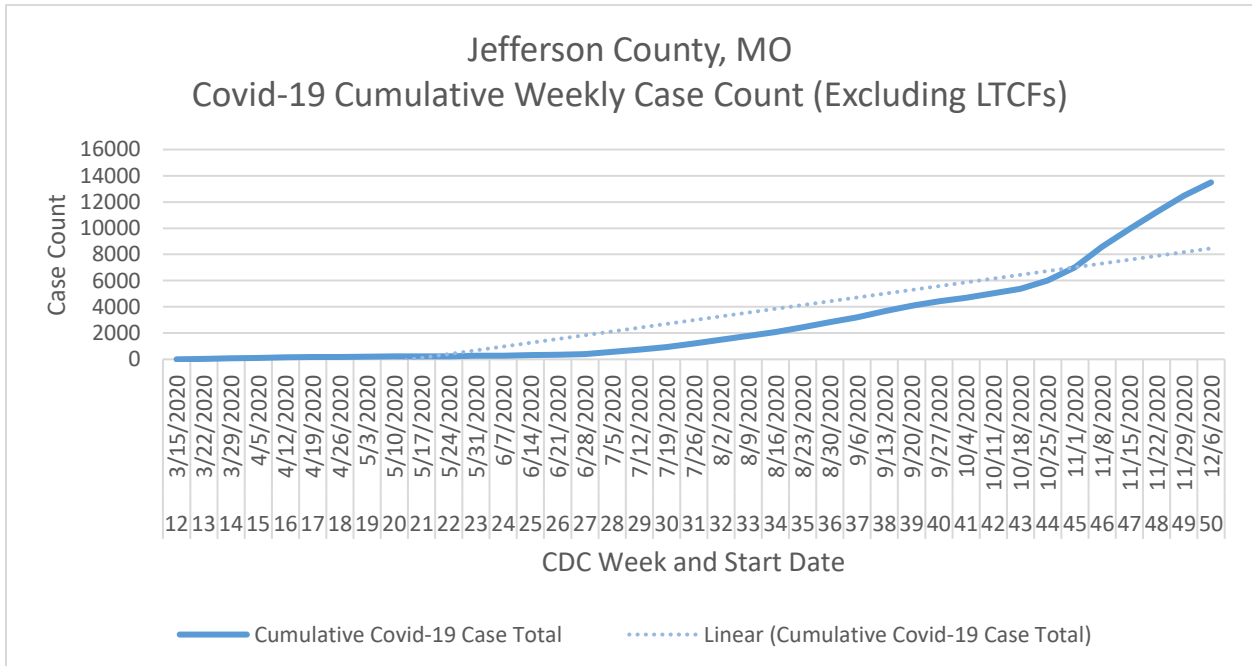


Figure 3. Covid-19 Daily Case Count and 7-Day Average (Excluding LTCFs), Jefferson County, Missouri

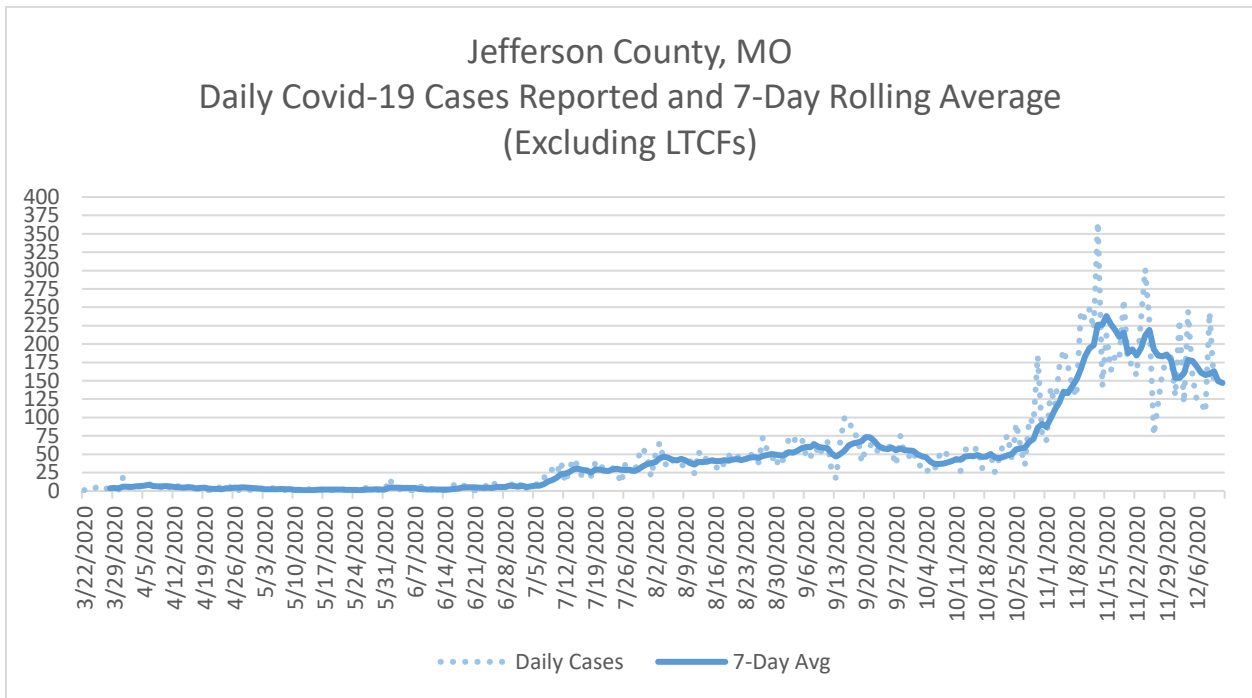


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates (Excluding LTCFs), Jefferson County, Missouri

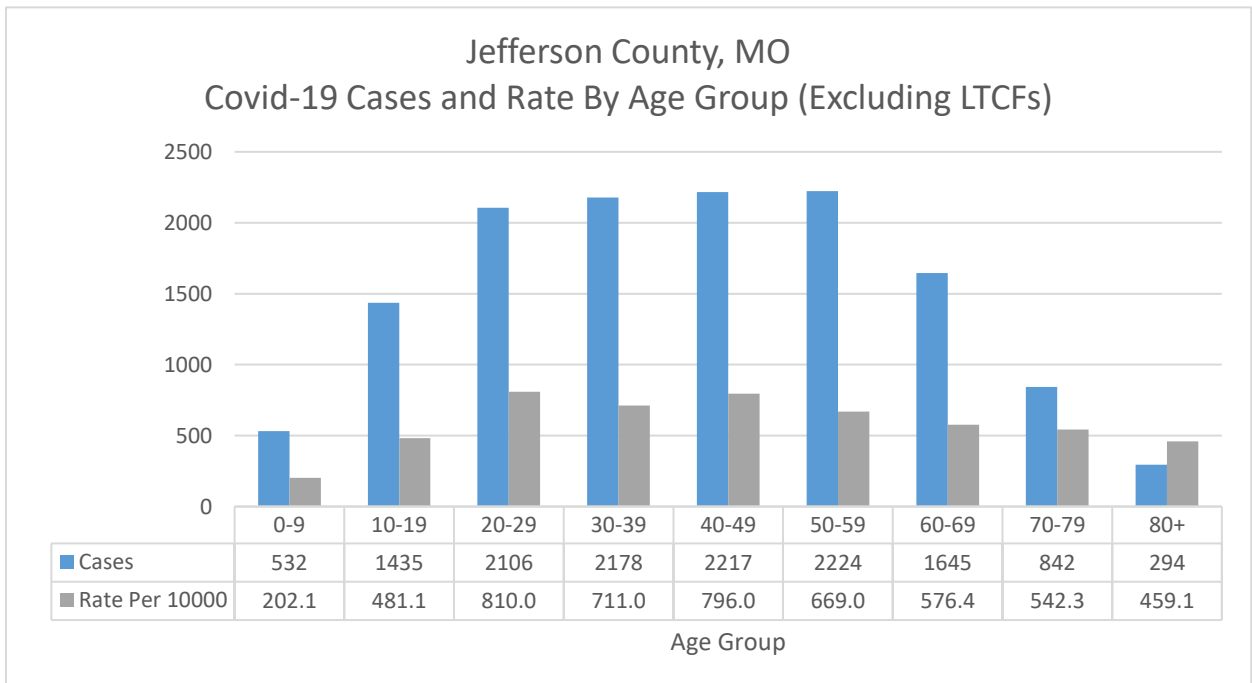


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group (Excluding LTCFs), Jefferson County, Missouri

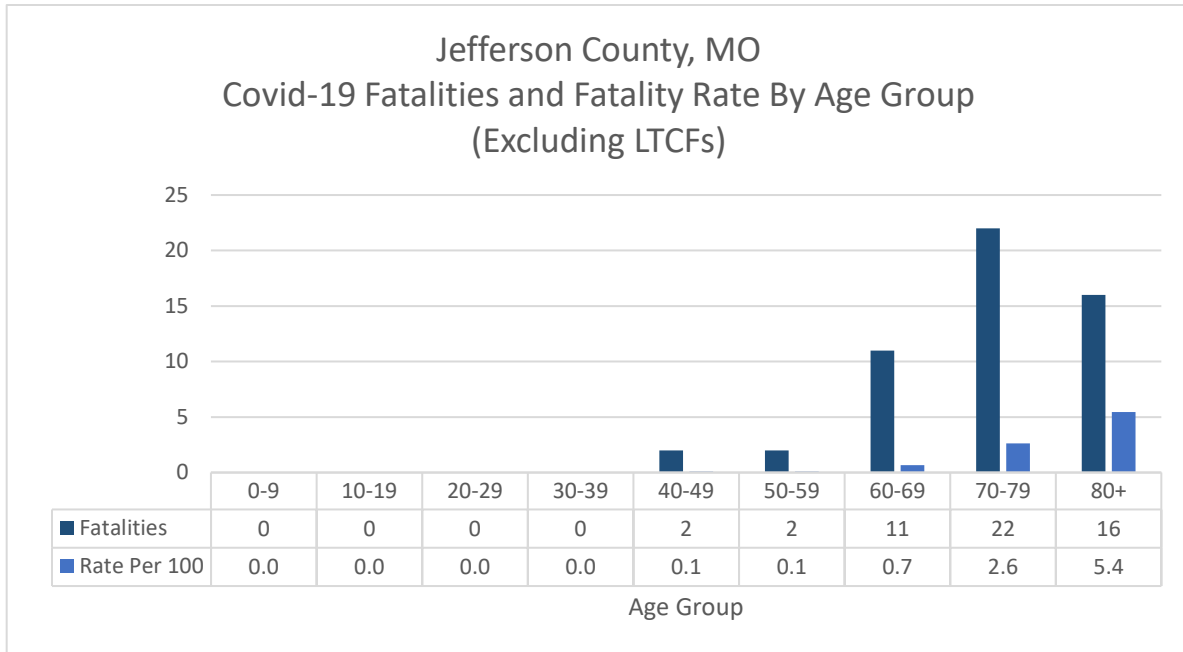


Table 2. Approximate Covid-19 Cumulative Fatality Rates (Excluding LTCFs)*

Jefferson County	.39%

*Missouri and United States data unavailable

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

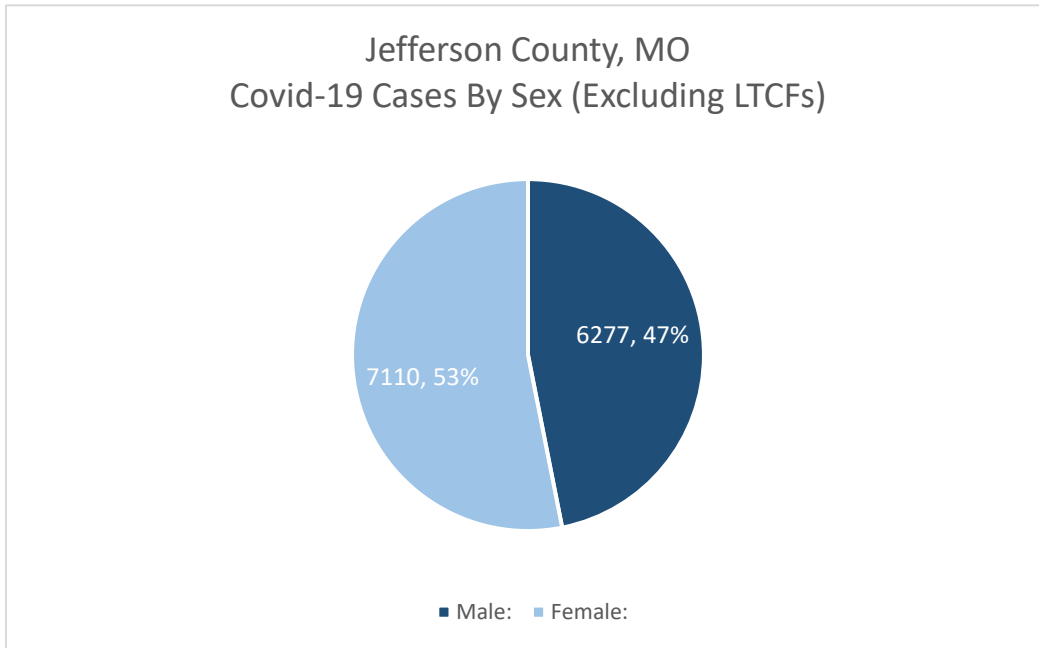


Figure 7. Covid-19 PCR Test Results by Week (Excluding LTCFs), Jefferson County, Missouri

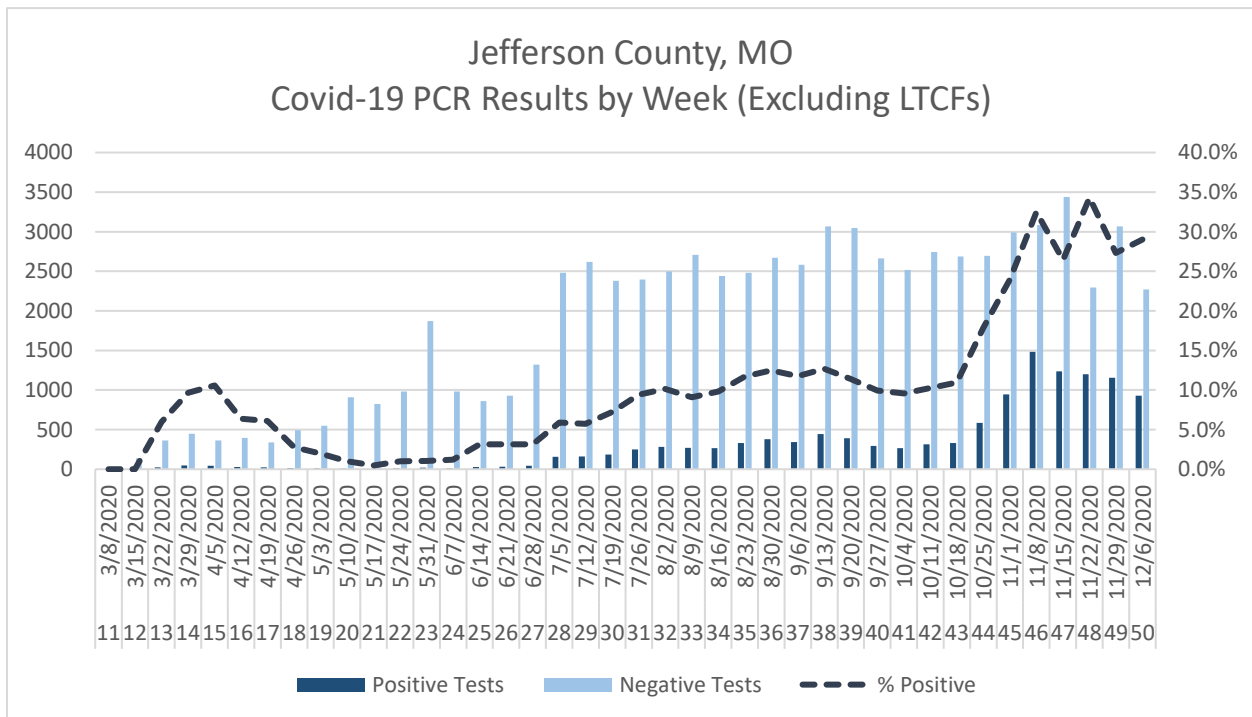


Table 3. Covid-19 PCR Test Results and Percent Positive
by Week, Jefferson County (Excluding LTCFs),
Missouri

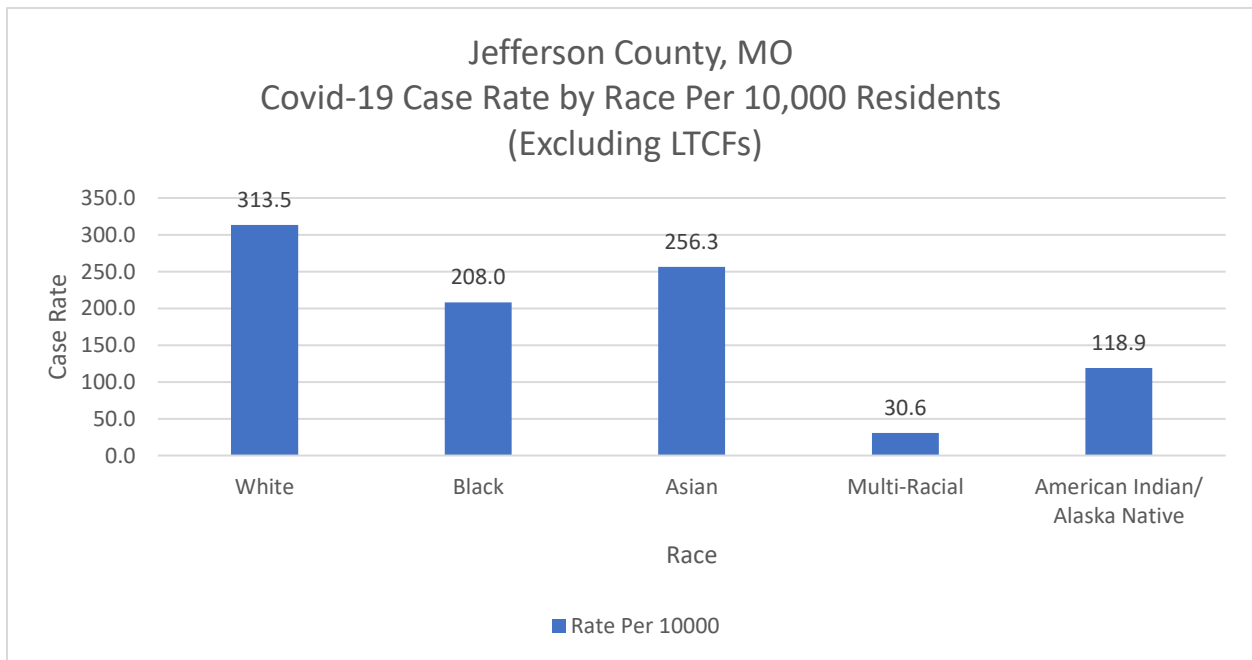
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
11	3/8/2020	0	7	7	0.0%
12	3/15/2020	0	137	137	0.0%
13	3/22/2020	23	361	384	6.0%
14	3/29/2020	48	449	497	9.7%
15	4/5/2020	43	363	406	10.6%
16	4/12/2020	27	396	423	6.4%
17	4/19/2020	22	340	362	6.1%
18	4/26/2020	14	493	507	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	249	2396	2645	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	381	2672	3053	12.5%
37	9/6/2020	344	2582	2926	11.8%
38	9/13/2020	445	3066	3511	12.7%
39	9/20/2020	392	3046	3438	11.4%
40	9/27/2020	294	2664	2958	9.9%
41	10/4/2020	267	2518	2785	9.6%
42	10/11/2020	314	2745	3059	10.3%
43	10/18/2020	330	2687	3017	10.9%
44	10/25/2020	586	2695	3281	17.9%
45	11/1/2020	943	2990	3933	24.0%
46	11/8/2020	1483	3083	4566	32.5%
47	11/15/2020	1235	3437	4672	26.4%
48	11/22/2020	1198	2296	3494	34.3%
49	11/29/2020	1154	3069	4223	27.3%
50	12/6/2020	928	2272	3200	29.0%

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

Race	Cases	Rate Per 10000
White	6759	313.5
Black	56	208.0
Asian	46	256.3
Multi-Racial	11	30.6
American Indian/ Alaska Native	8	118.9
Unknown	1654	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

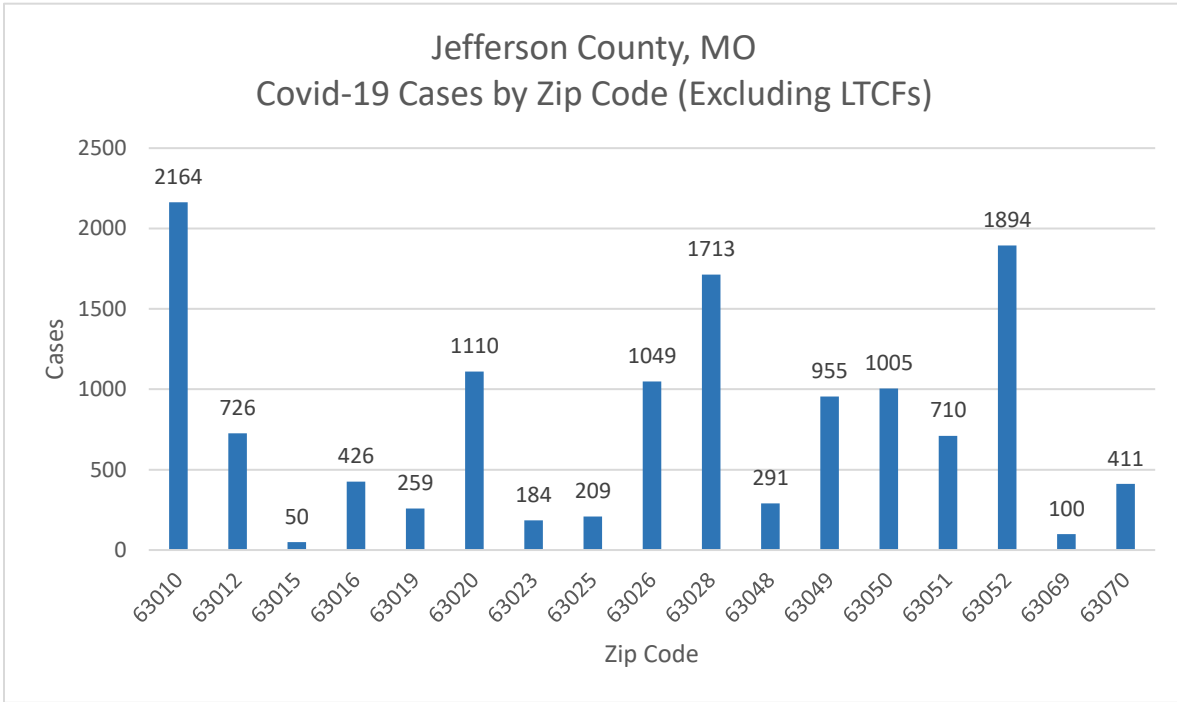
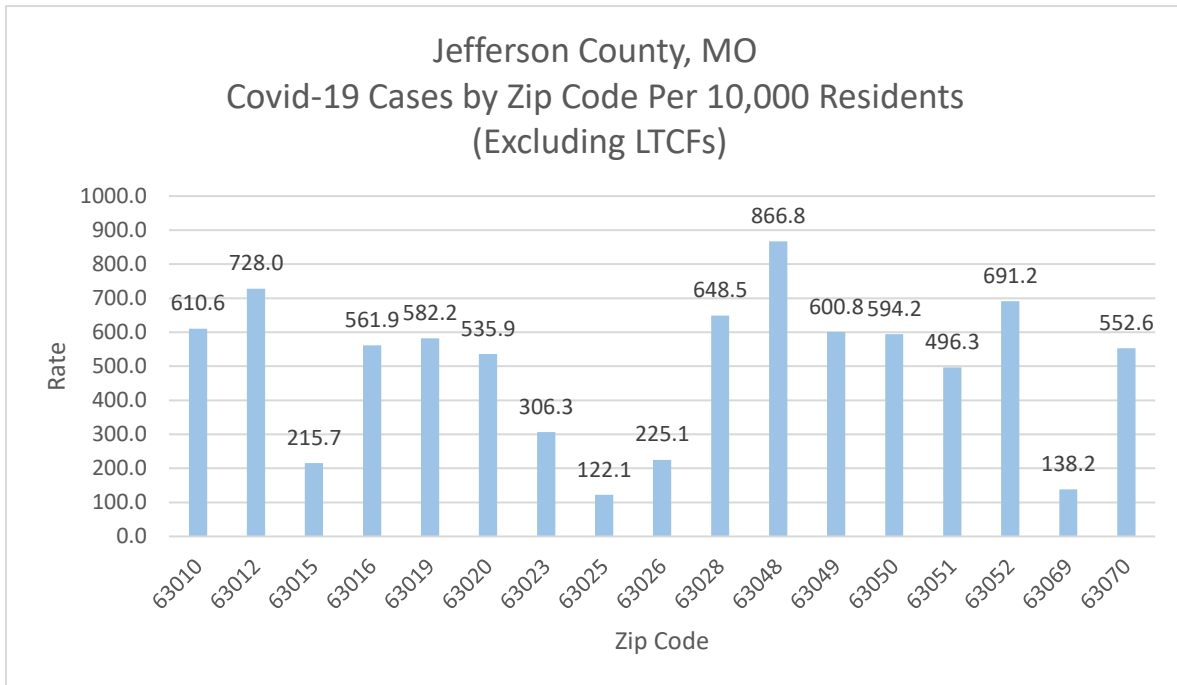


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County (Excluding LTCFs), Missouri





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

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

Week 50: December 6- December 12

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

SUMMARY:

- During Week 50 a total of 159 confirmed and probable Covid-19 cases were reported in Jefferson County for the 0-19 year age group. A year-to-date total of 2001 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	5	20
28	7/5/2020	25	45
29	7/12/2020	23	68
30	7/19/2020	33	101
31	7/26/2020	38	139
32	8/2/2020	35	174
33	8/9/2020	38	212
34	8/16/2020	50	262
35	8/23/2020	61	323
36	8/30/2020	67	390
37	9/6/2020	61	451
38	9/13/2020	94	545
39	9/20/2020	68	613
40	9/27/2020	52	665
41	10/4/2020	32	697
42	10/11/2020	41	738
43	10/18/2020	47	785
44	10/25/2020	96	881
45	11/1/2020	163	1044
46	11/8/2020	250	1294
47	11/15/2020	207	1501
48	11/22/2020	161	1662
49	11/29/2020	180	1842
50	12/6/2020	159	2001

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

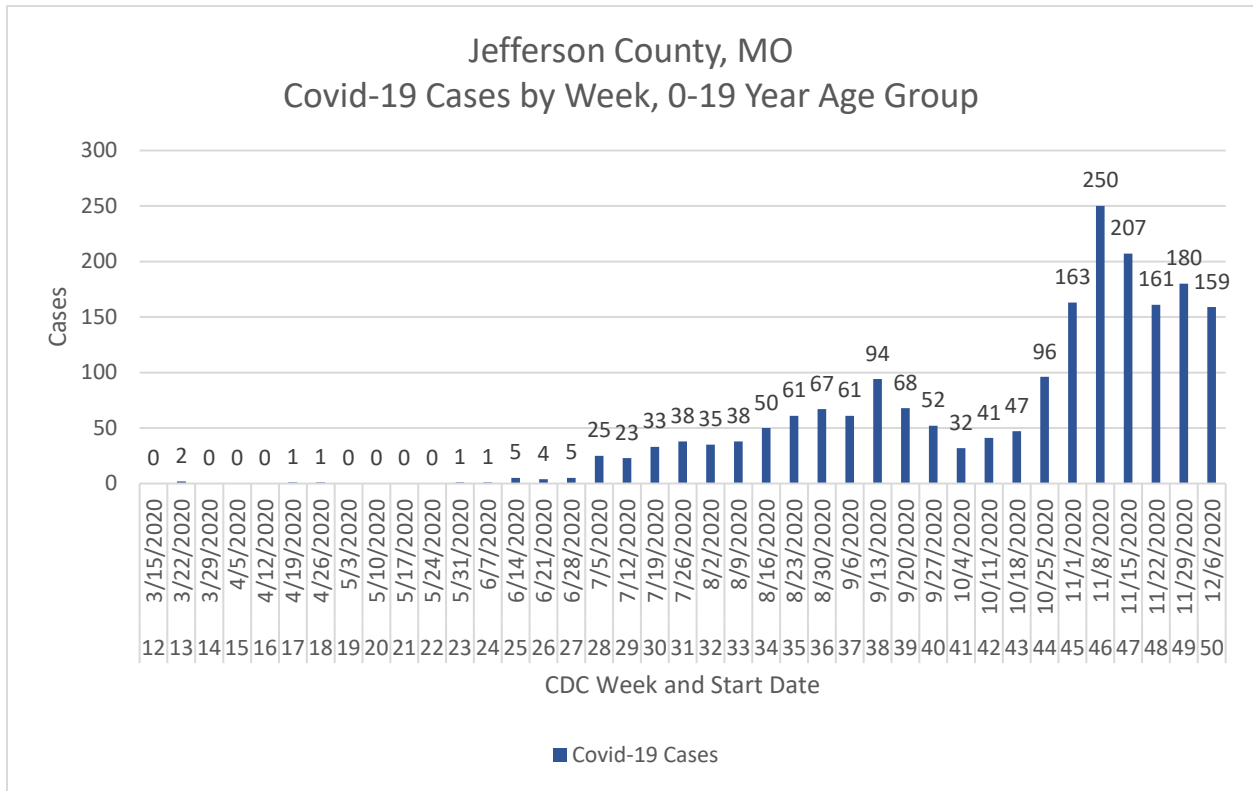


Table 2. Covid-19 Cases by Age Group, Jefferson County, Missouri

Age Group	Cases	Percent
0-9	532	3.67%
10-19	1469	10.13%
20+	12476	86.05%

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

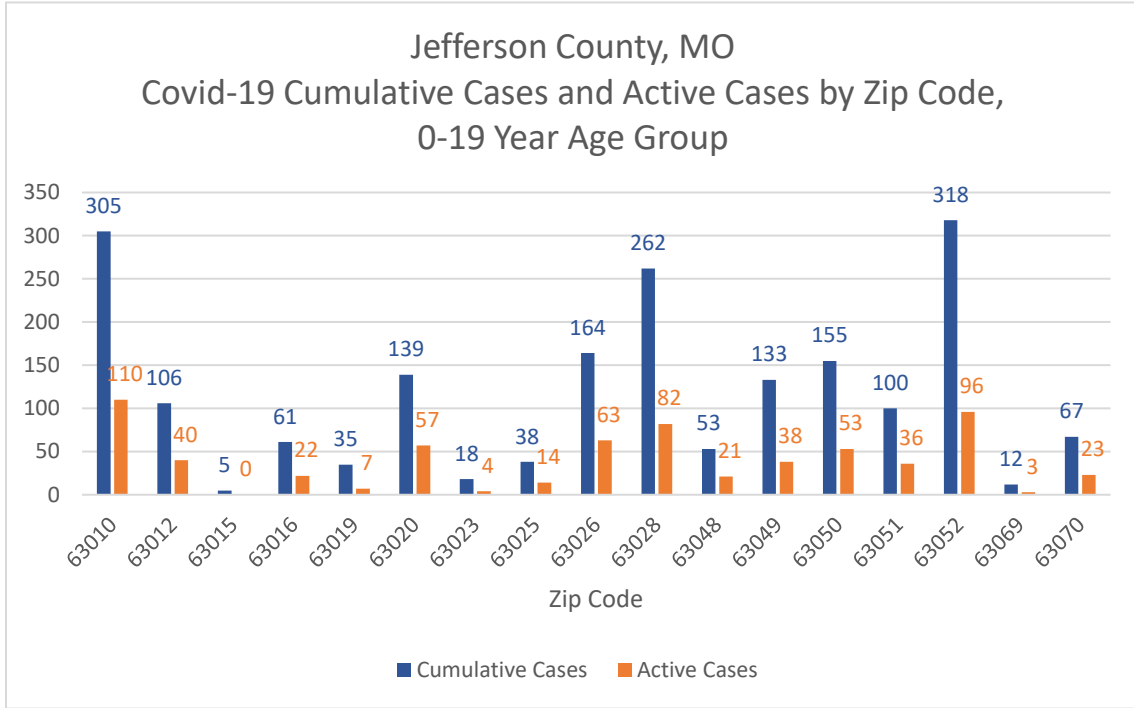


Figure 3. Covid-19 Cases by Age-Based Grade Levels, Jefferson County, Missouri

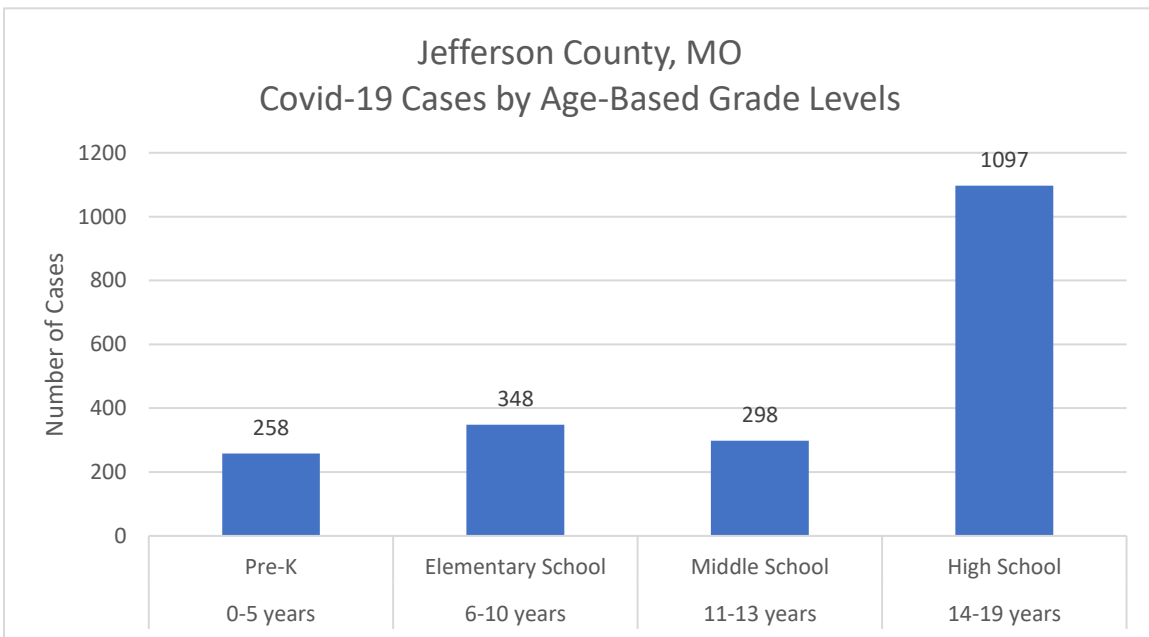


Figure 4. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Pre-K Age Group, Jefferson County, Missouri

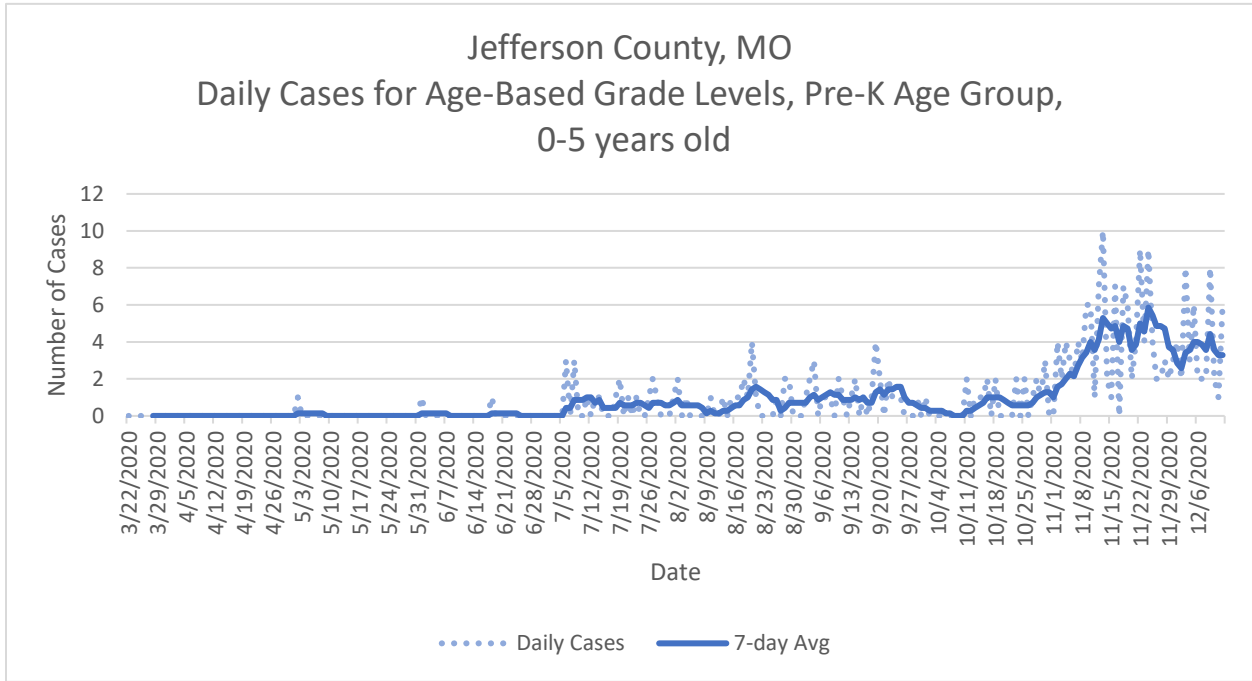


Figure 5. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Elementary School Age Group, Jefferson County, Missouri

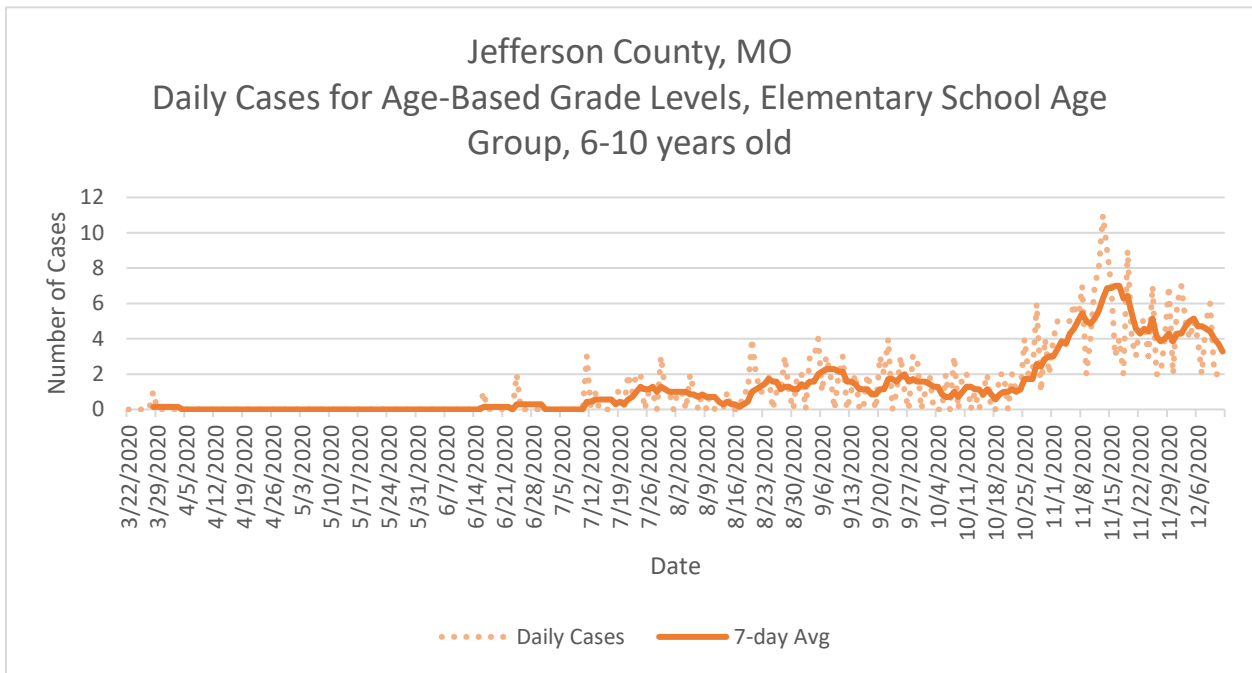


Figure 6. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Middle School Age Group, Jefferson County, Missouri

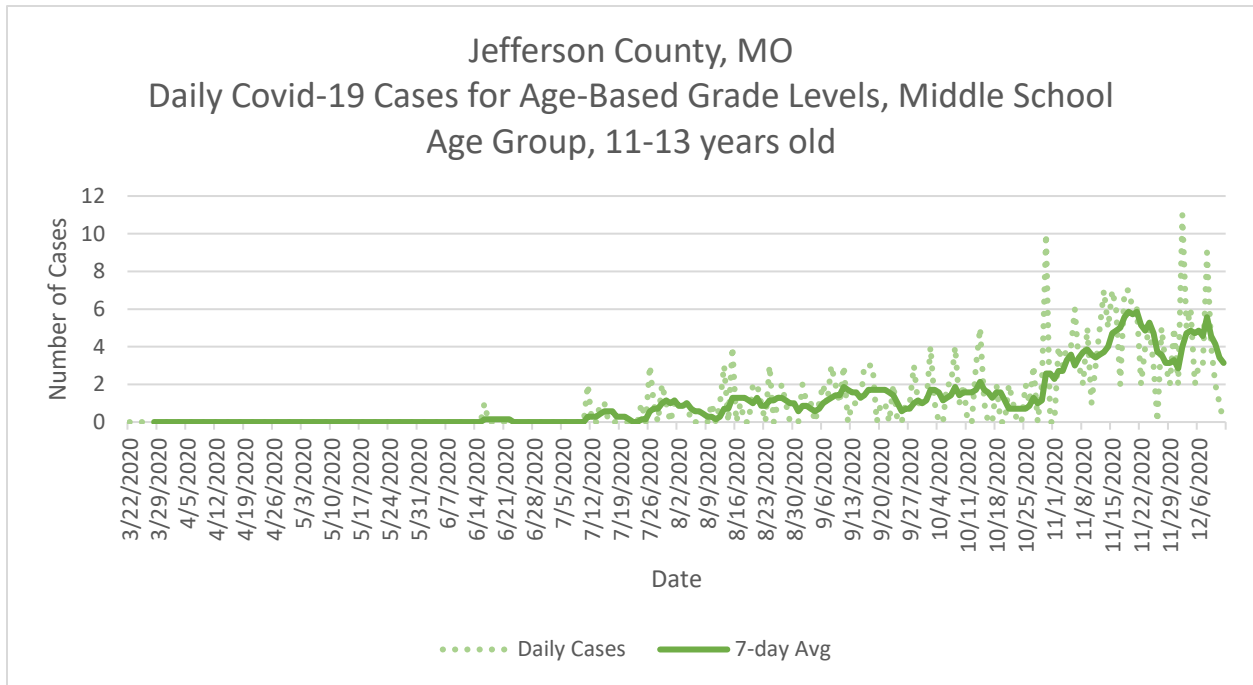


Figure 7. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, High School Age Group, Jefferson County, Missouri

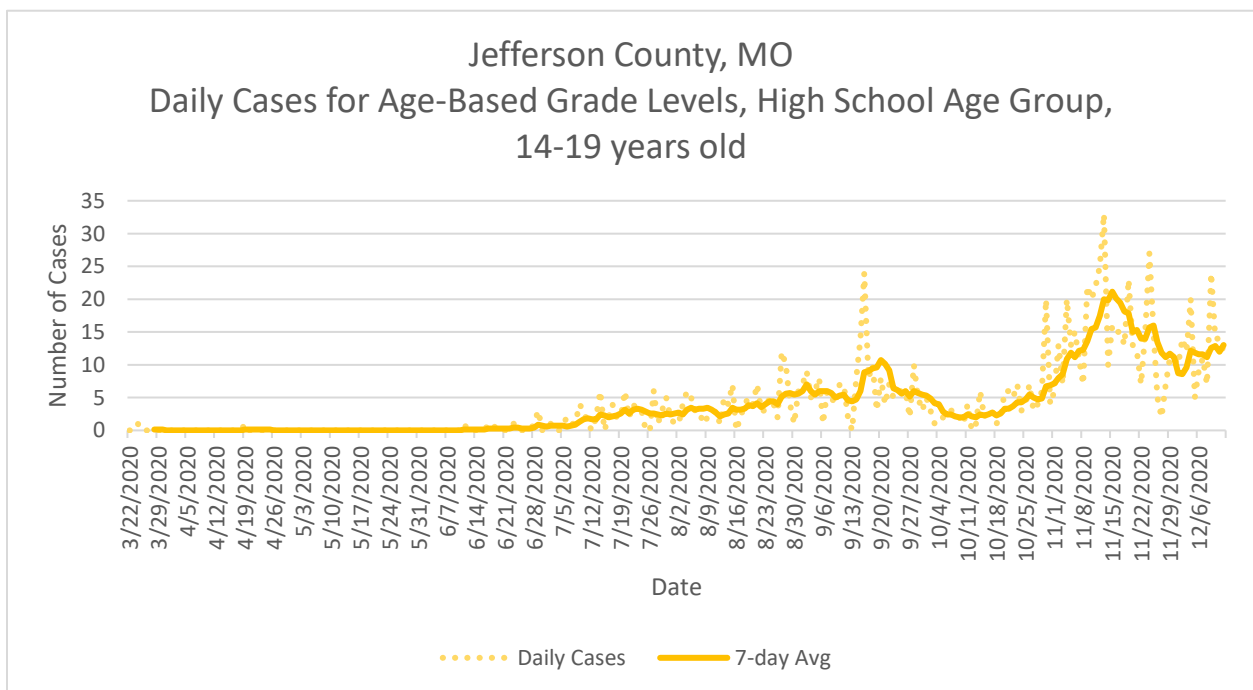
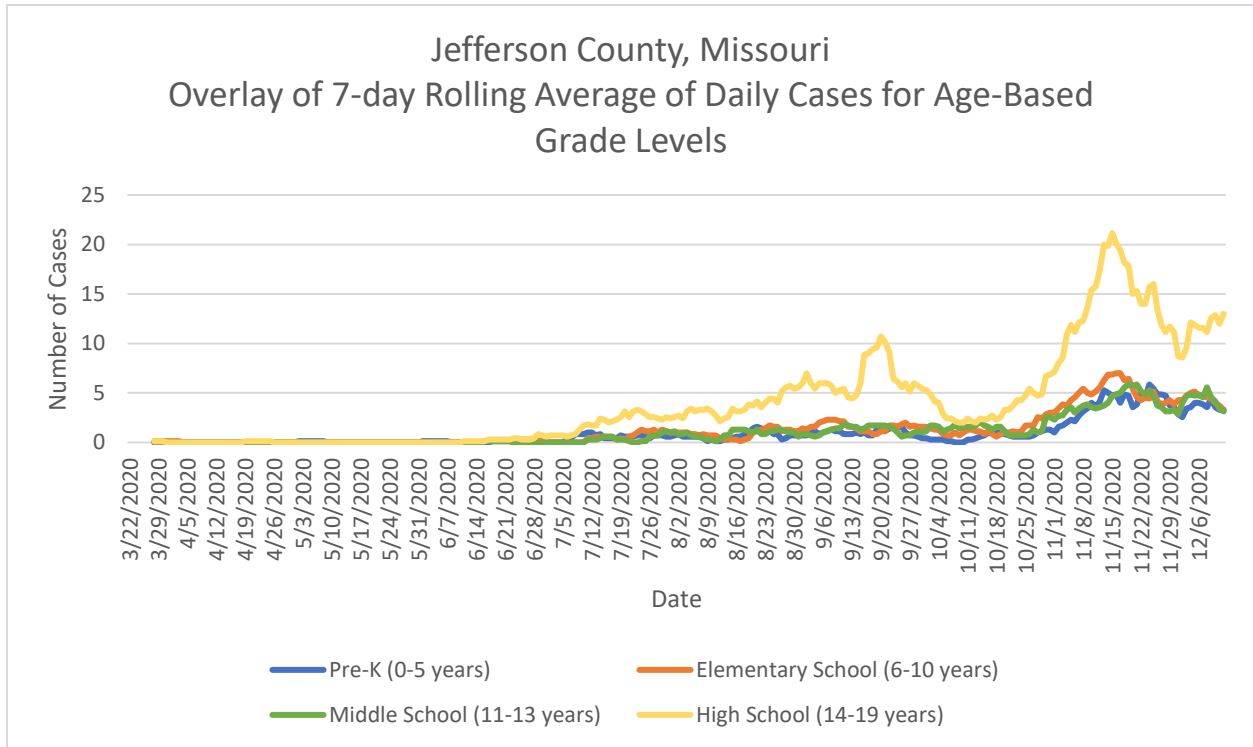


Figure 8. Overlay of 7-Day Rolling Average of Daily Covid-19 Cases for all Age-Based Grade Levels, Jefferson County, Missouri





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 50: December 6- December 12

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

SUMMARY:

- During Week 50 a total of 1092 confirmed and probable Covid-19 cases were reported in Jefferson County. A year-to-date total of 14498 confirmed and probable Covid-19 cases have been reported in Jefferson County as of Week 50.
- One hundred eleven Covid-19 associated deaths have been reported in Jefferson County as of Week 50.
- Twenty-three 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
12	3/15/2020	0	0
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	314	1499
32	8/2/2020	328	1827
33	8/9/2020	332	2159
34	8/16/2020	323	2482
35	8/23/2020	410	2892
36	8/30/2020	433	3325
37	9/6/2020	389	3714
38	9/13/2020	496	4210
39	9/20/2020	440	4650
40	9/27/2020	351	5001
41	10/4/2020	307	5308
42	10/11/2020	344	5652
43	10/18/2020	366	6018
44	10/25/2020	667	6685
45	11/1/2020	1034	7719
46	11/8/2020	1645	9364
47	11/15/2020	1393	10757
48	11/22/2020	1339	12096
49	11/29/2020	1310	13406
50	12/6/2020	1092	14498

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

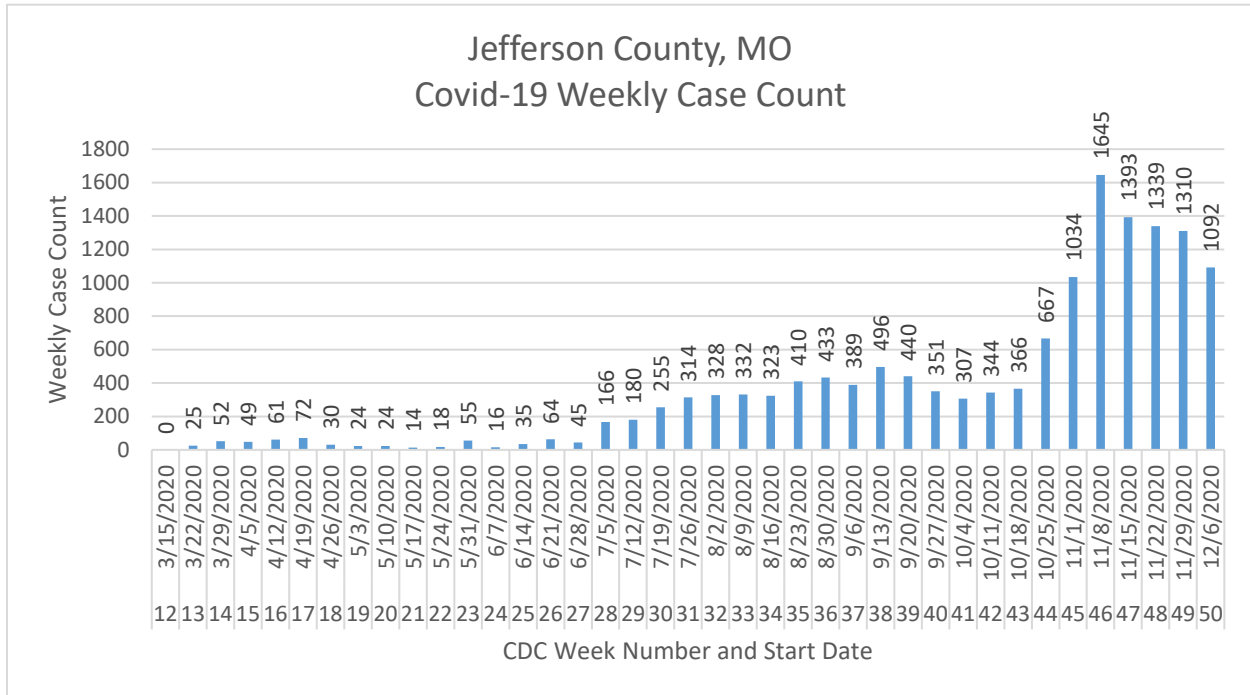


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week, Jefferson County, Missouri

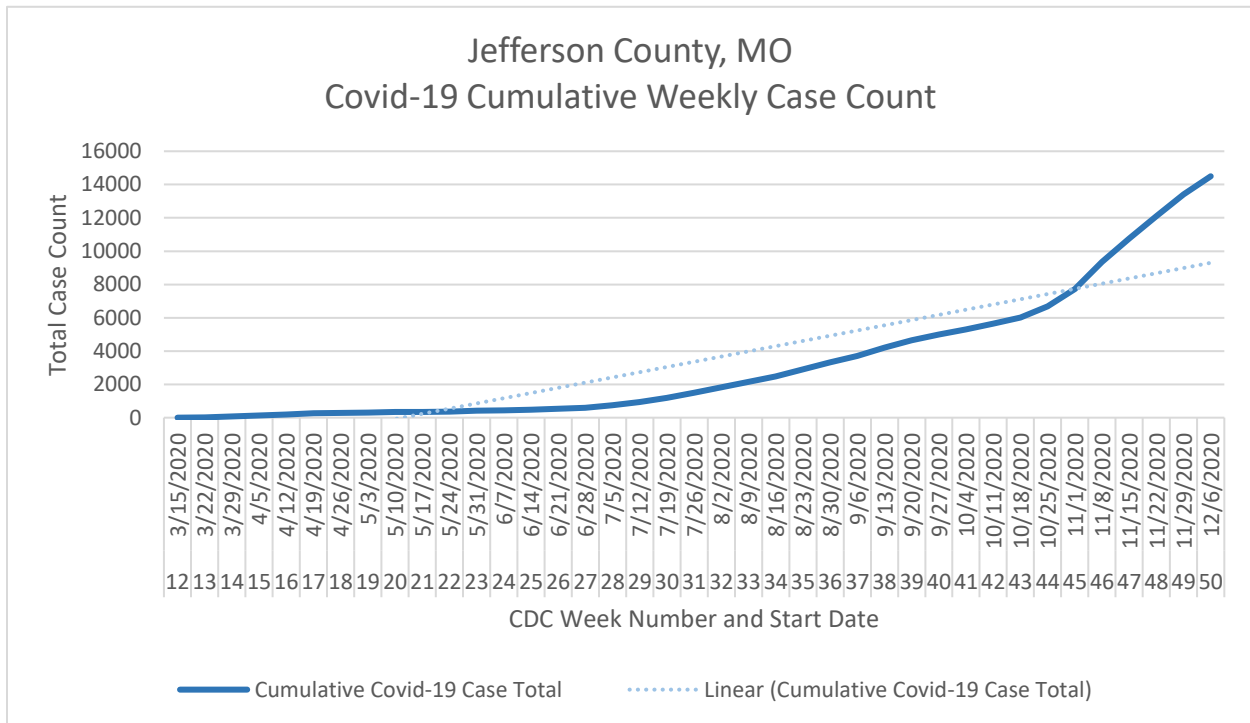


Figure 3. Covid-19 Daily Case Count and 7-Day Average, Jefferson County, Missouri

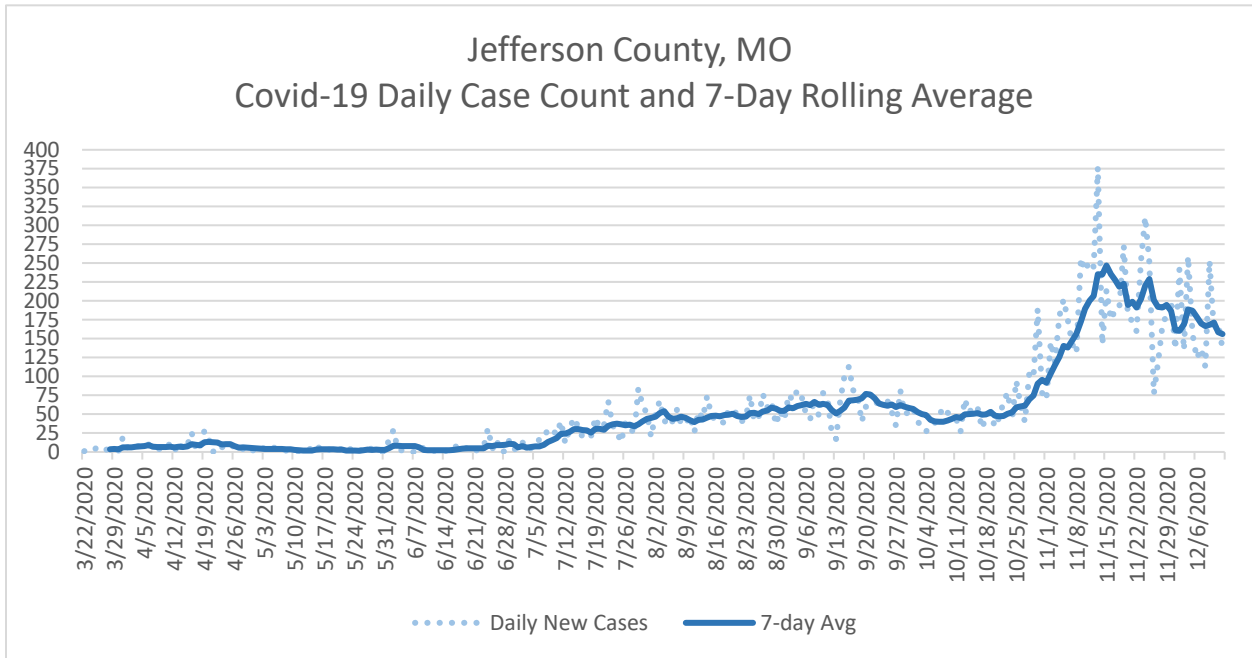


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates, Jefferson County, Missouri

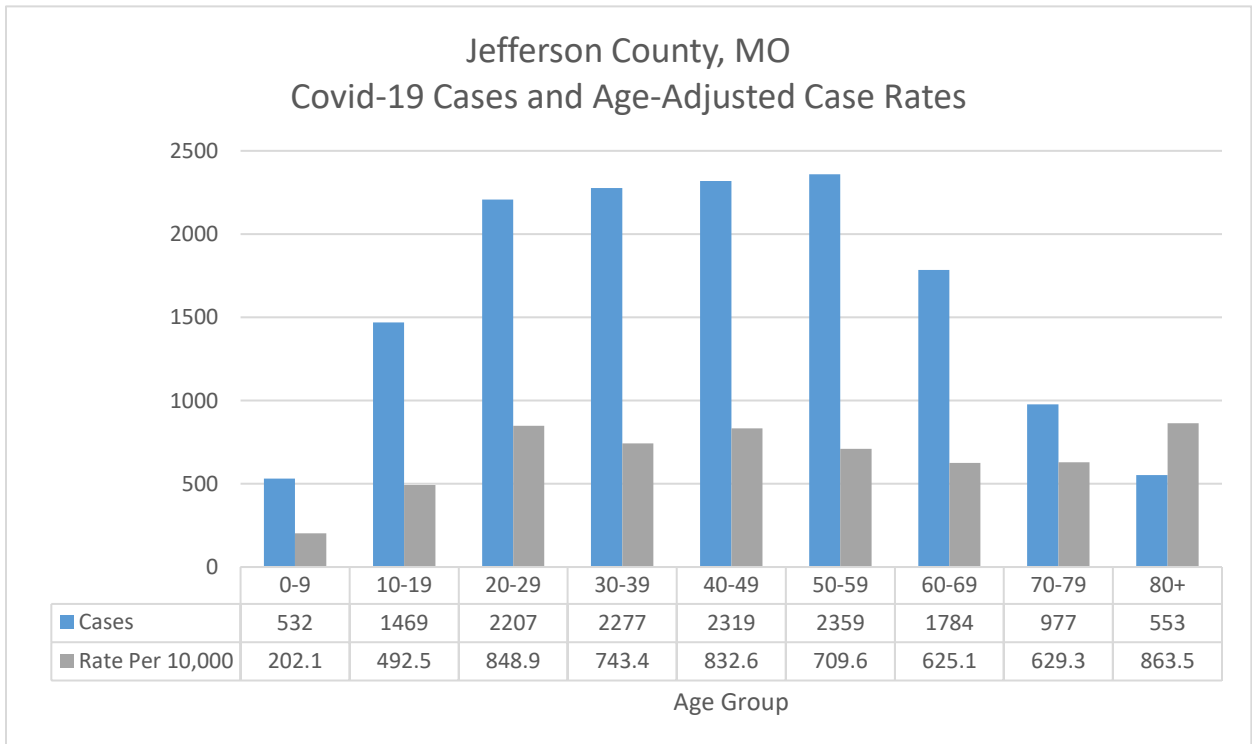


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group, Jefferson County, Missouri

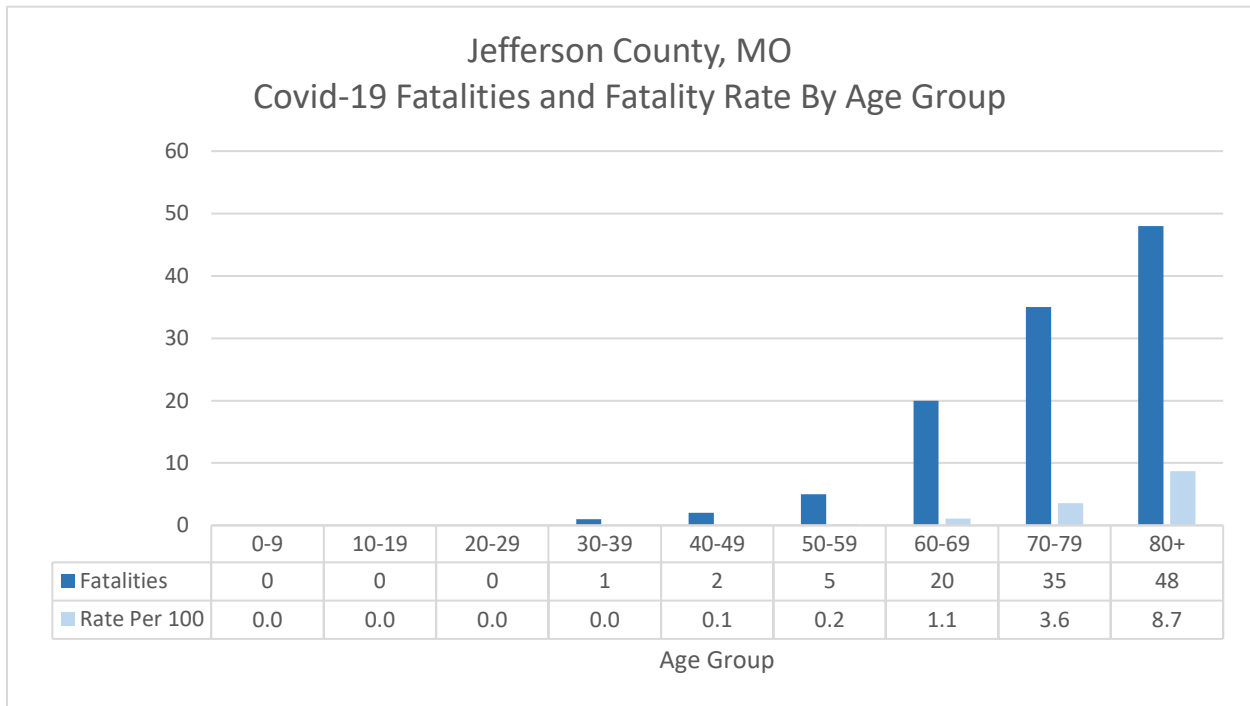


Table 2. Approximate Covid-19 Cumulative Fatality Rates

Jefferson County	0.77%
Missouri	1.36%
US	1.85%

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

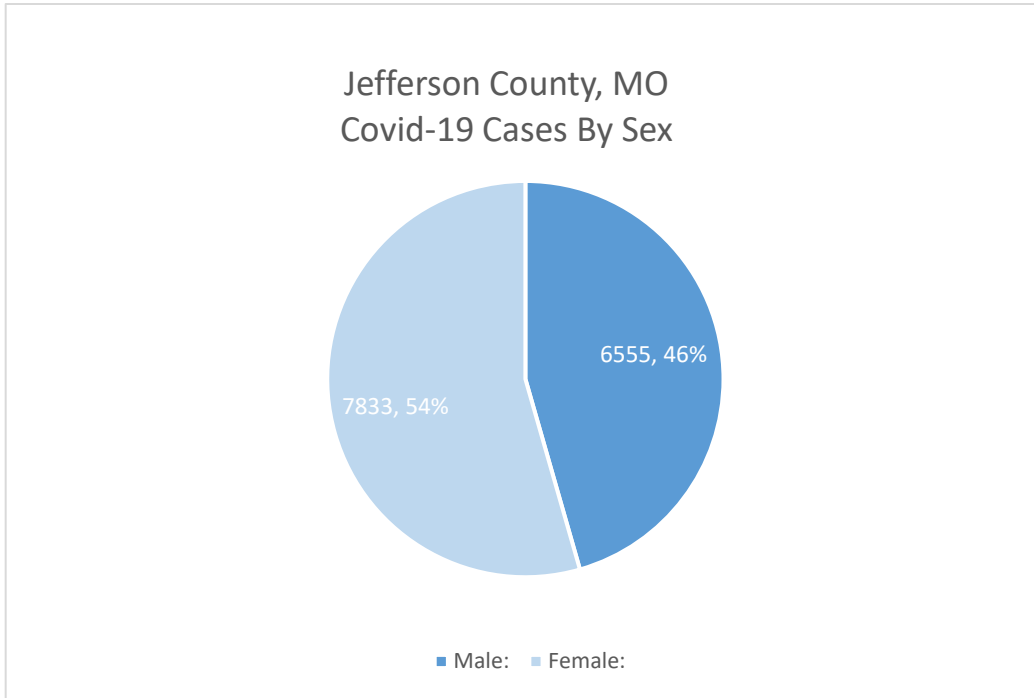


Figure 7. Covid-19 PCR Test Results by Week, Jefferson County, Missouri

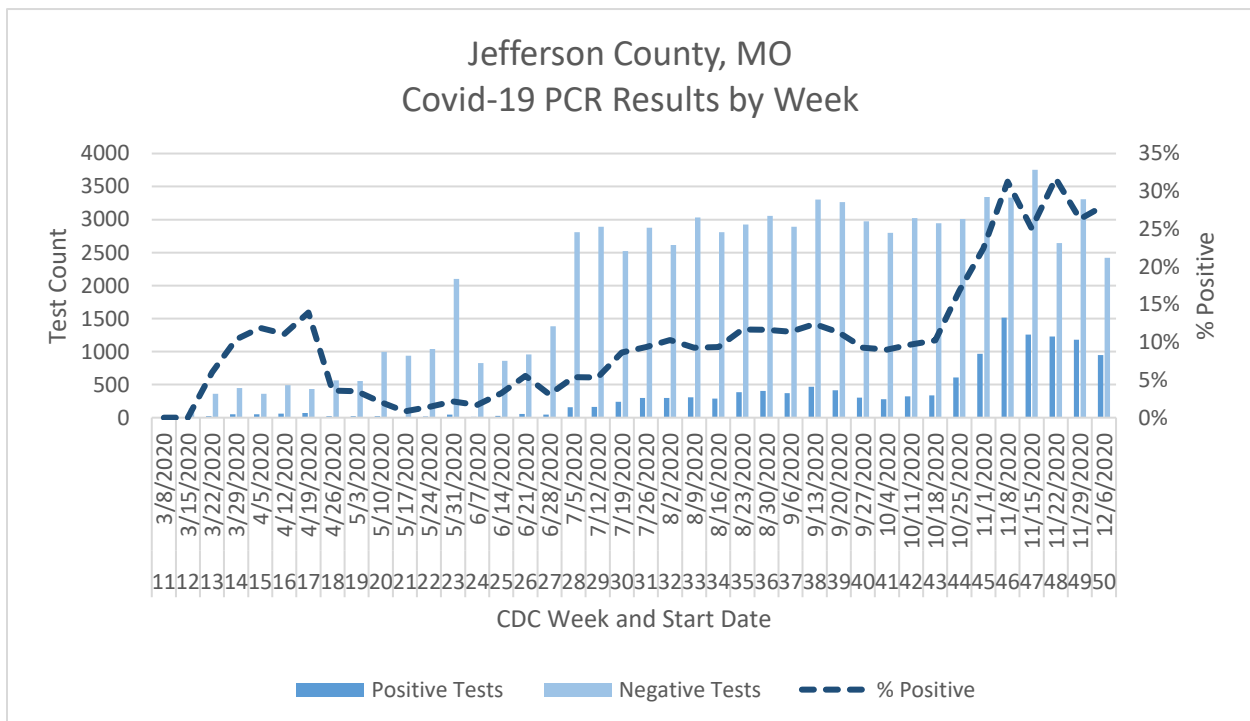


Table 3. Covid-19 PCR Test Results and Percent Positive
by Week, Jefferson County, Missouri

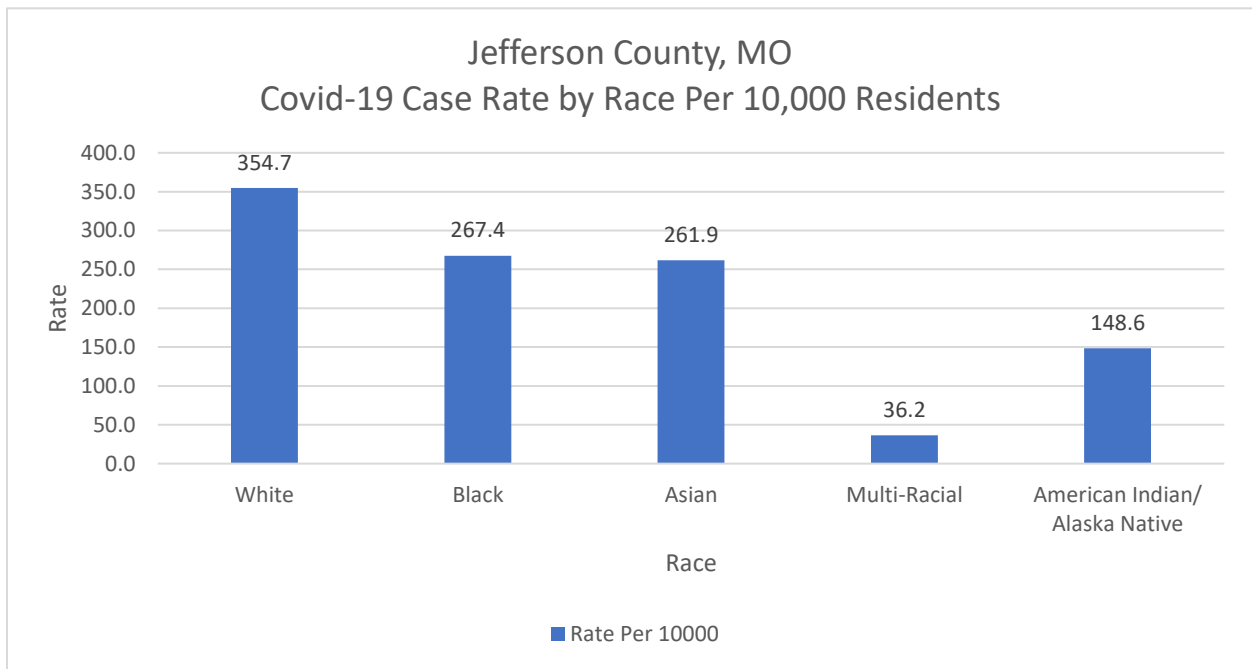
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
11	3/8/2020	0	7	7	0.0%
12	3/15/2020	0	137	137	0.0%
13	3/22/2020	23	361	384	6.0%
14	3/29/2020	52	449	501	10.4%
15	4/5/2020	49	363	412	11.9%
16	4/12/2020	61	490	551	11.1%
17	4/19/2020	70	433	503	13.9%
18	4/26/2020	21	566	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	297	2878	3175	9.4%
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	403	3057	3460	11.6%
37	9/6/2020	372	2889	3261	11.4%
38	9/13/2020	468	3302	3770	12.4%
39	9/20/2020	416	3266	3682	11.3%
40	9/27/2020	303	2972	3275	9.3%
41	10/4/2020	277	2800	3077	9.0%
42	10/11/2020	324	3022	3346	9.7%
43	10/18/2020	336	2946	3282	10.2%
44	10/25/2020	607	3005	3612	16.8%
45	11/1/2020	966	3340	4306	22.4%
46	11/8/2020	1517	3334	4851	31.3%
47	11/15/2020	1256	3754	5010	25.1%
48	11/22/2020	1227	2644	3871	31.7%
49	11/29/2020	1182	3309	4491	26.3%
50	12/6/2020	946	2422	3368	28.1%

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

Race	Cases	Rate Per 10000
White	7648	354.7
Black	72	267.4
Asian	47	261.9
Multi-Racial	13	36.2
American Indian/ Alaska Native	10	148.6
Unknown	1711	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

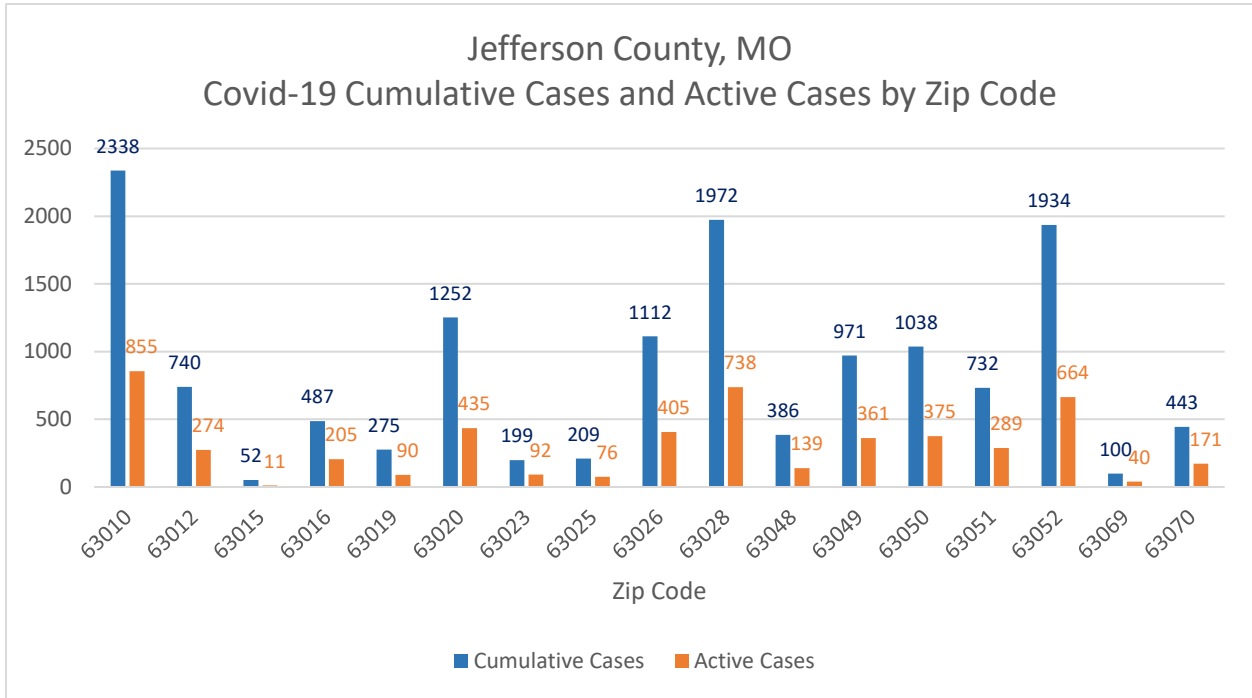


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County, Missouri

