



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

Jefferson County, Missouri
Weekly Covid-19 Surveillance Report

Week 34: August 16- August 22

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

SUMMARY:

- During Week 34 a total of 301 confirmed and probable Covid-19 cases were reported in Jefferson County. A year-to-date total of 2385 confirmed and probable Covid-19 cases have been reported in Jefferson County as of Week 34.
- Forty Covid-19 associated deaths have been reported in Jefferson County as of Week 34.
- Fifteen 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	73	253
18	4/26/2020	28	281
19	5/3/2020	24	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	13	426
25	6/14/2020	32	458
26	6/21/2020	62	520
27	6/28/2020	40	560
28	7/5/2020	163	723
29	7/12/2020	170	893
30	7/19/2020	249	1142
31	7/26/2020	303	1445
32	8/2/2020	324	1769
33	8/9/2020	315	2084
34	8/16/2020	301	2385

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

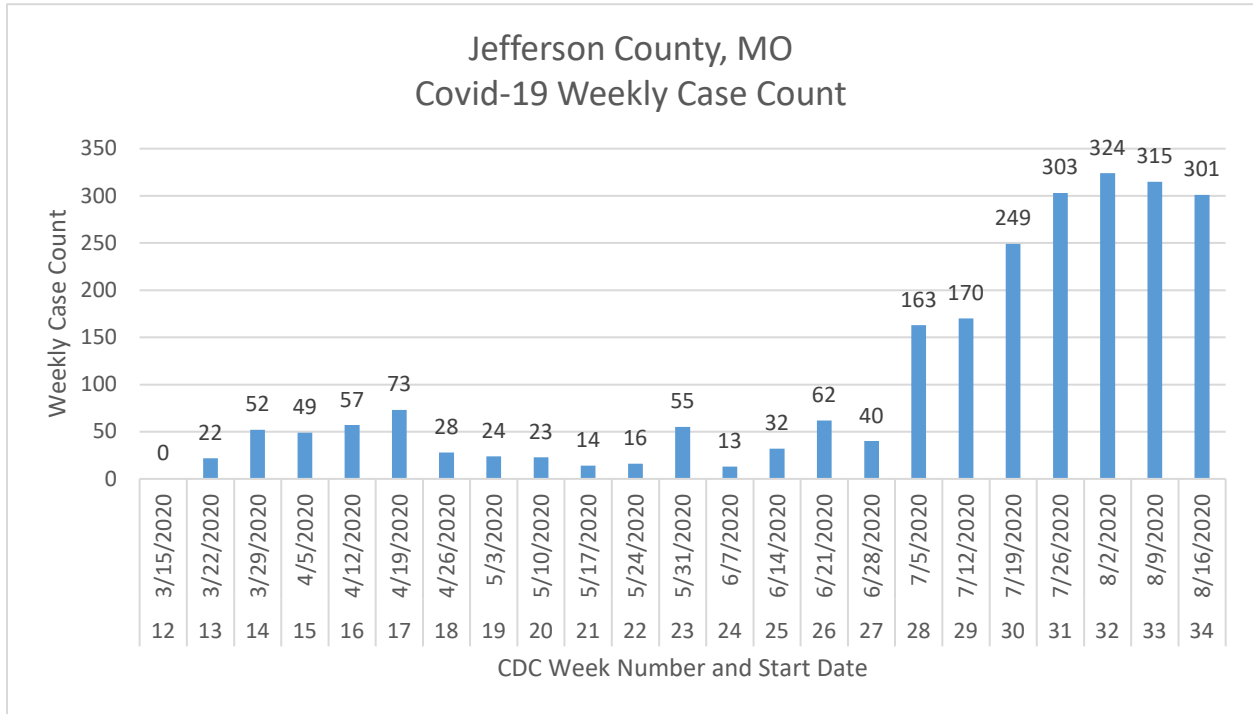


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week, Jefferson County, Missouri

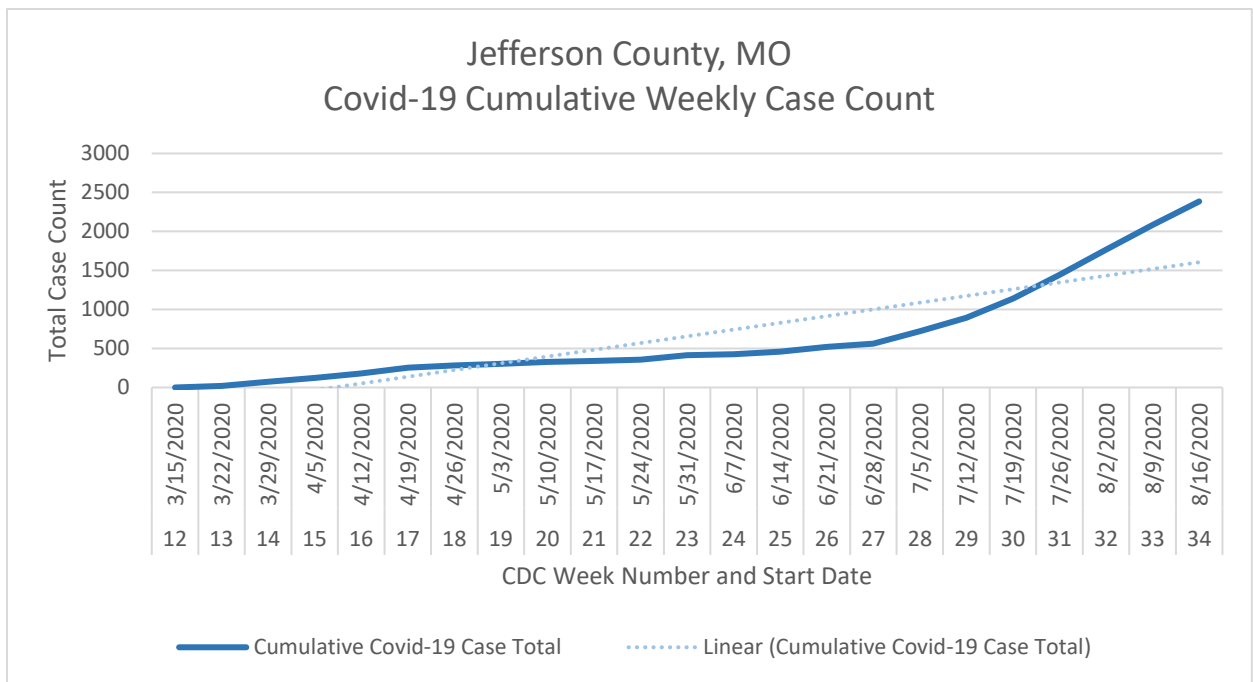


Figure 3. Covid-19 Daily Case Count and 7-Day Average, Jefferson County, Missouri

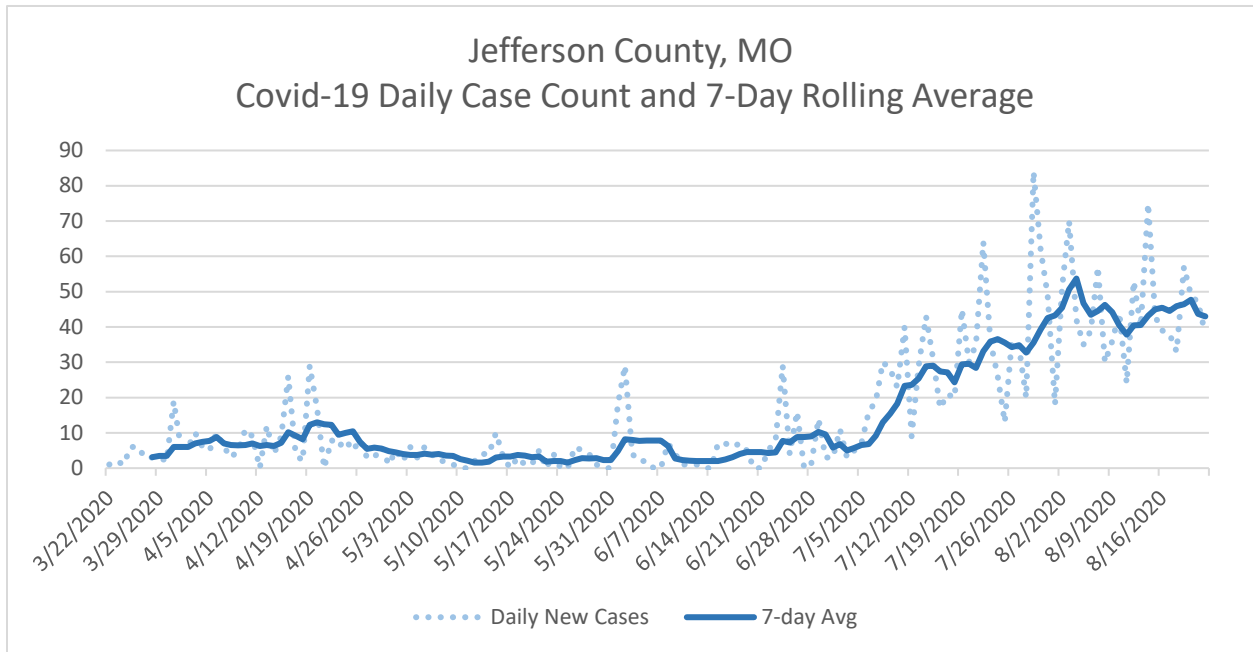


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates, Jefferson County, Missouri

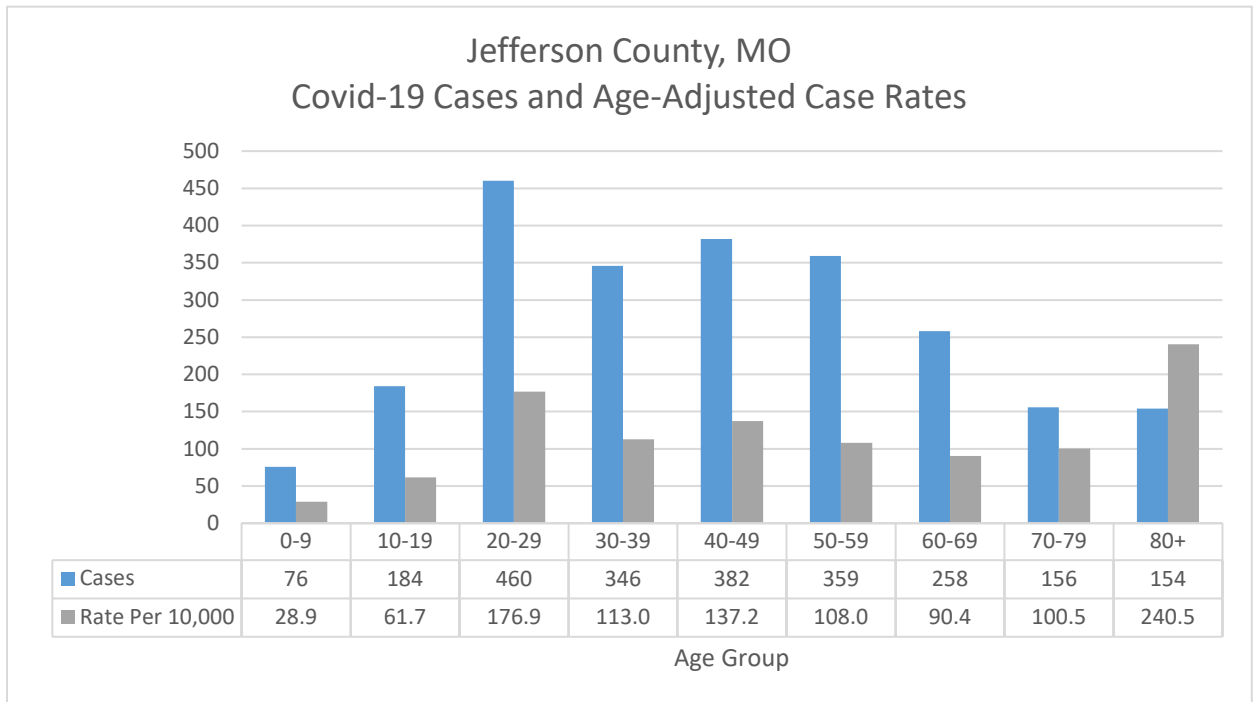


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group, Jefferson County, Missouri

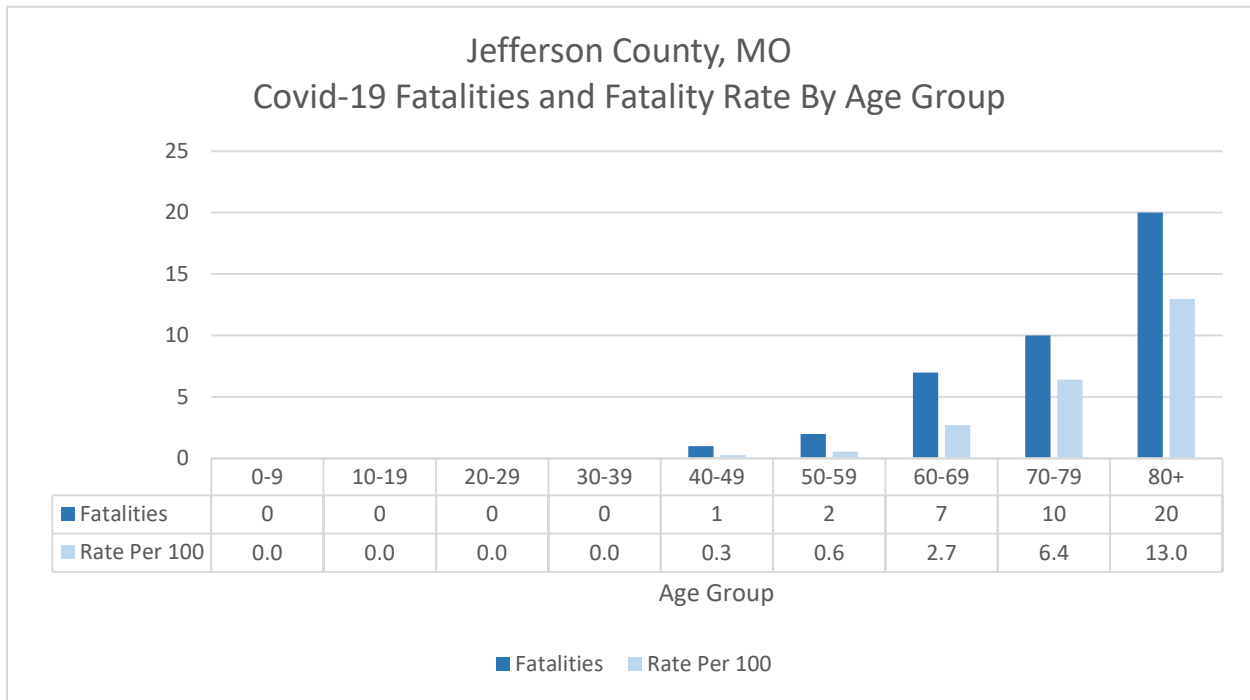


Table 2. Approximate Covid-19 Cumulative Fatality Rates

Jefferson County	1.68%
Missouri	1.90%
US	3.11%

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

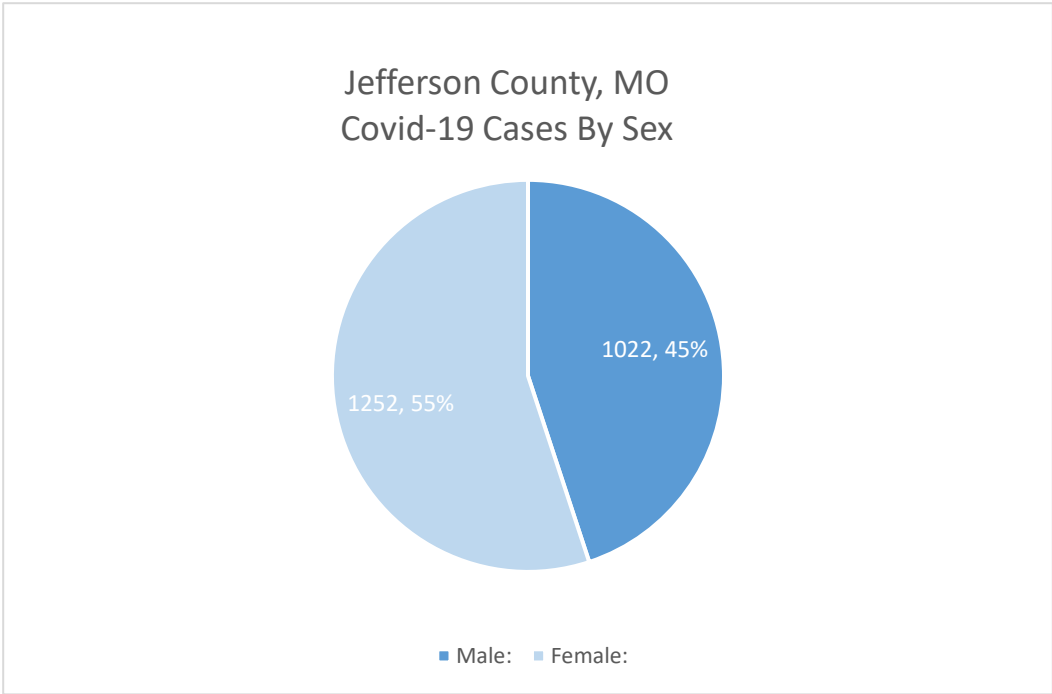


Figure 7. Covid-19 PCR Test Results by Week, Jefferson County, Missouri

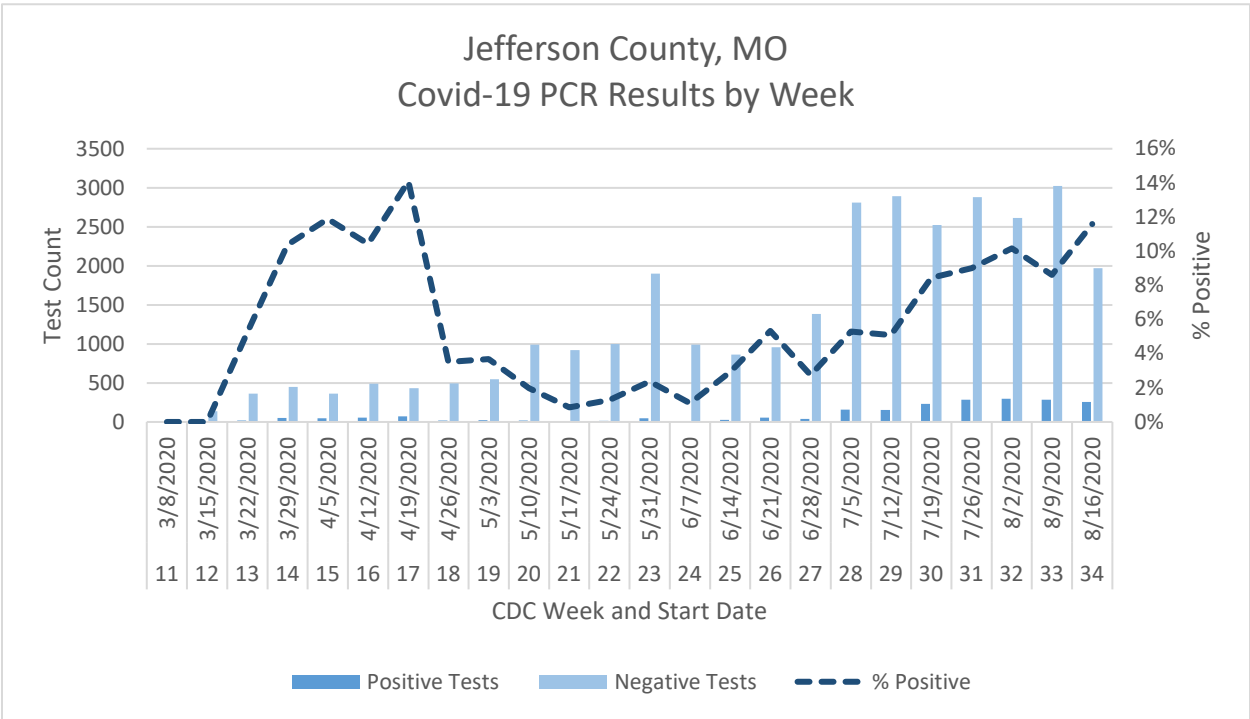


Table 3. Covid-19 PCR Test Results and Percent Positive
by Week, Jefferson County, Missouri

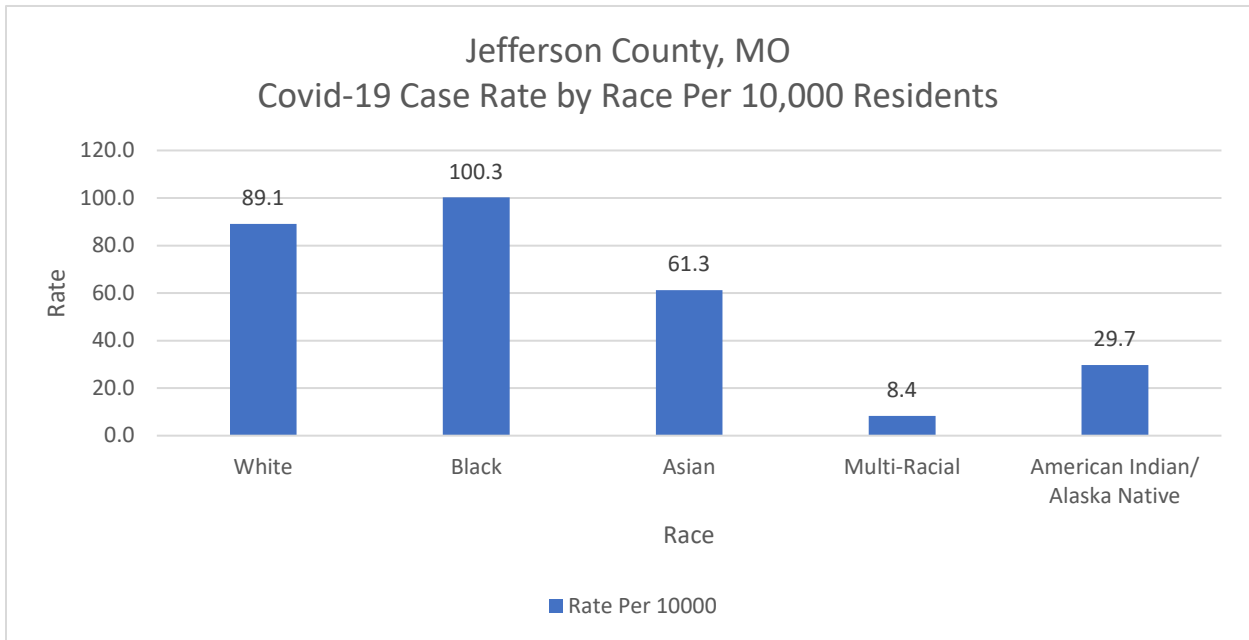
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
11	3/8/2020	0	7	7	0.0%
12	3/15/2020	0	137	137	0.0%
13	3/22/2020	20	361	381	5.2%
14	3/29/2020	52	449	501	10.4%
15	4/5/2020	49	363	412	11.9%
16	4/12/2020	57	490	547	10.4%
17	4/19/2020	71	433	504	14.1%
18	4/26/2020	18	493	511	3.5%
19	5/3/2020	21	549	570	3.7%
20	5/10/2020	20	991	1011	2.0%
21	5/17/2020	8	922	930	0.9%
22	5/24/2020	13	997	1010	1.3%
23	5/31/2020	46	1902	1948	2.4%
24	6/7/2020	11	989	1000	1.1%
25	6/14/2020	26	862	888	2.9%
26	6/21/2020	54	959	1013	5.3%
27	6/28/2020	39	1385	1424	2.7%
28	7/5/2020	157	2811	2968	5.3%
29	7/12/2020	155	2891	3046	5.1%
30	7/19/2020	233	2525	2758	8.4%
31	7/26/2020	285	2878	3163	9.0%
32	8/2/2020	296	2615	2911	10.2%
33	8/9/2020	285	3024	3309	8.6%
34	8/16/2020	258	1969	2227	11.6%

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

Race	Cases	Rate Per 10000
White	1922	89.1
Black	27	100.3
Asian	11	61.3
Multi-Racial	3	8.4
American Indian/ Alaska Native	2	29.7
Unknown	36	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

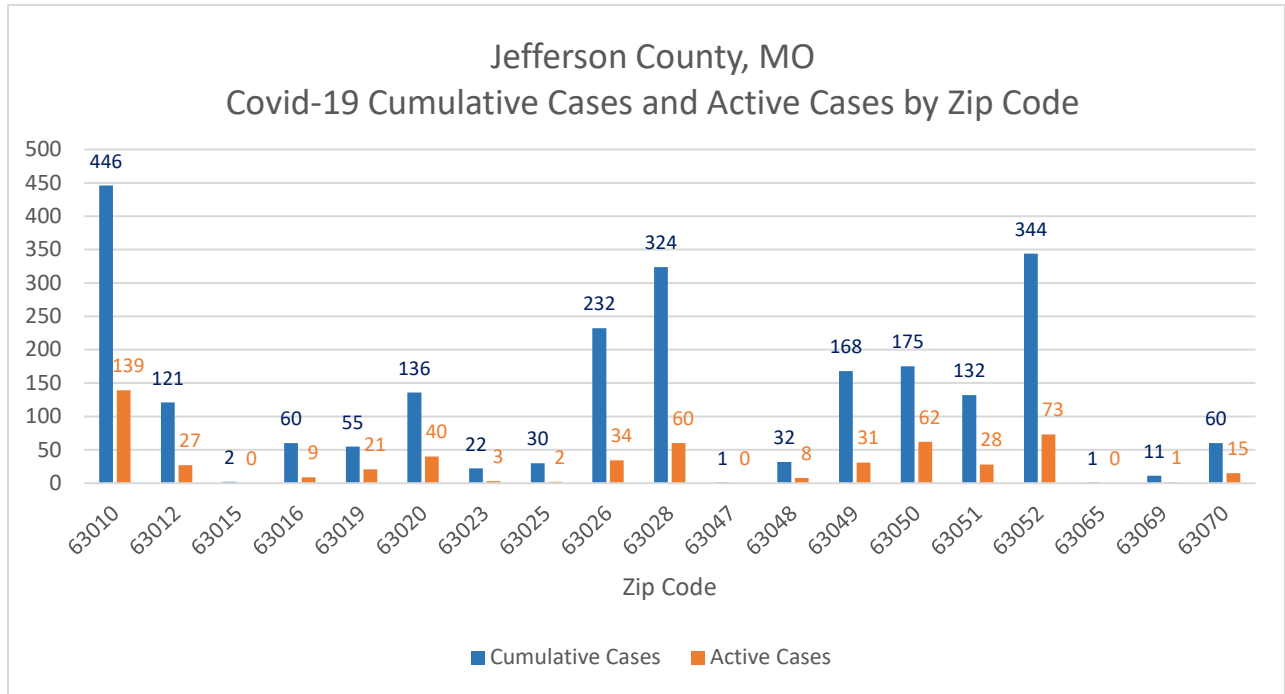
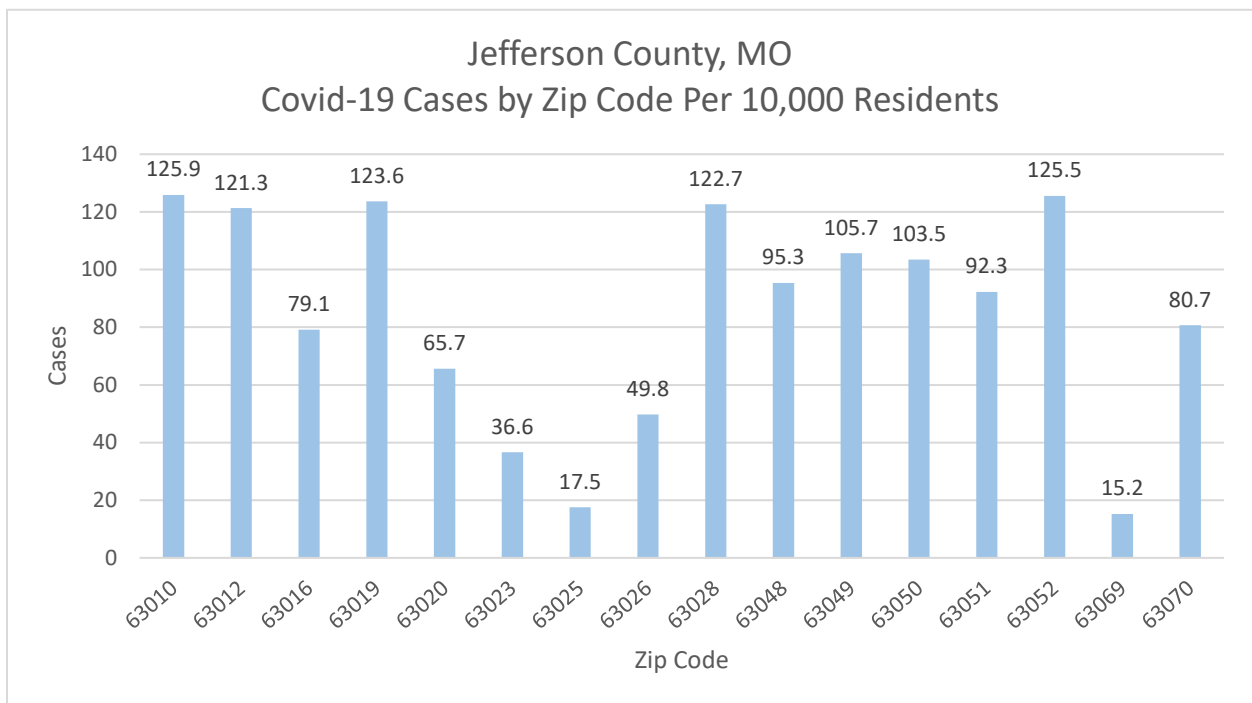


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County, Missouri





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

Jefferson County, Missouri
Weekly Covid-19 Surveillance Report
Excluding LTCFs

Week 34: August 16- August 22

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

SUMMARY:

-This is a revised version of the Week 34 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	11	266
25	6/14/2020	31	297
26	6/21/2020	35	332
27	6/28/2020	39	371
28	7/5/2020	158	529
29	7/12/2020	165	694
30	7/19/2020	195	889
31	7/26/2020	251	1140
32	8/2/2020	299	1439
33	8/9/2020	274	1713
34	8/16/2020	276	1989

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

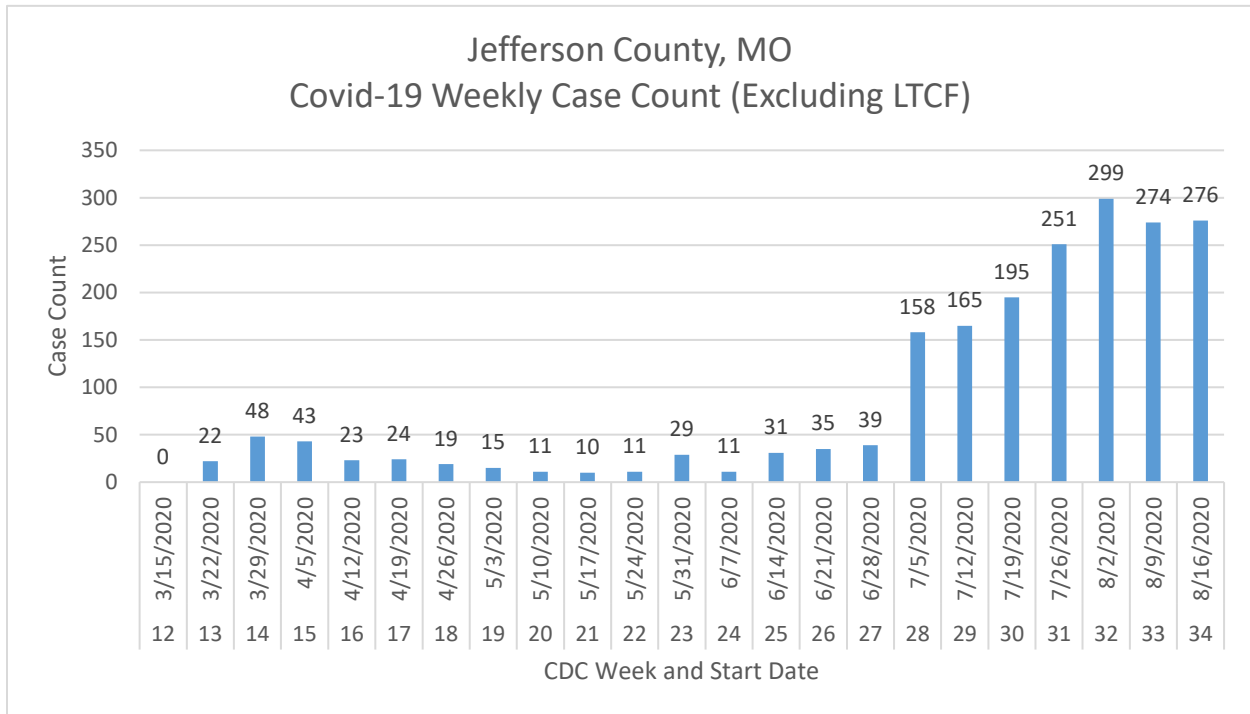


Figure 2. Cumulative Confirmed and Probable Covid-19 Cases by Week (Excluding LTCFs), Jefferson County, Missouri

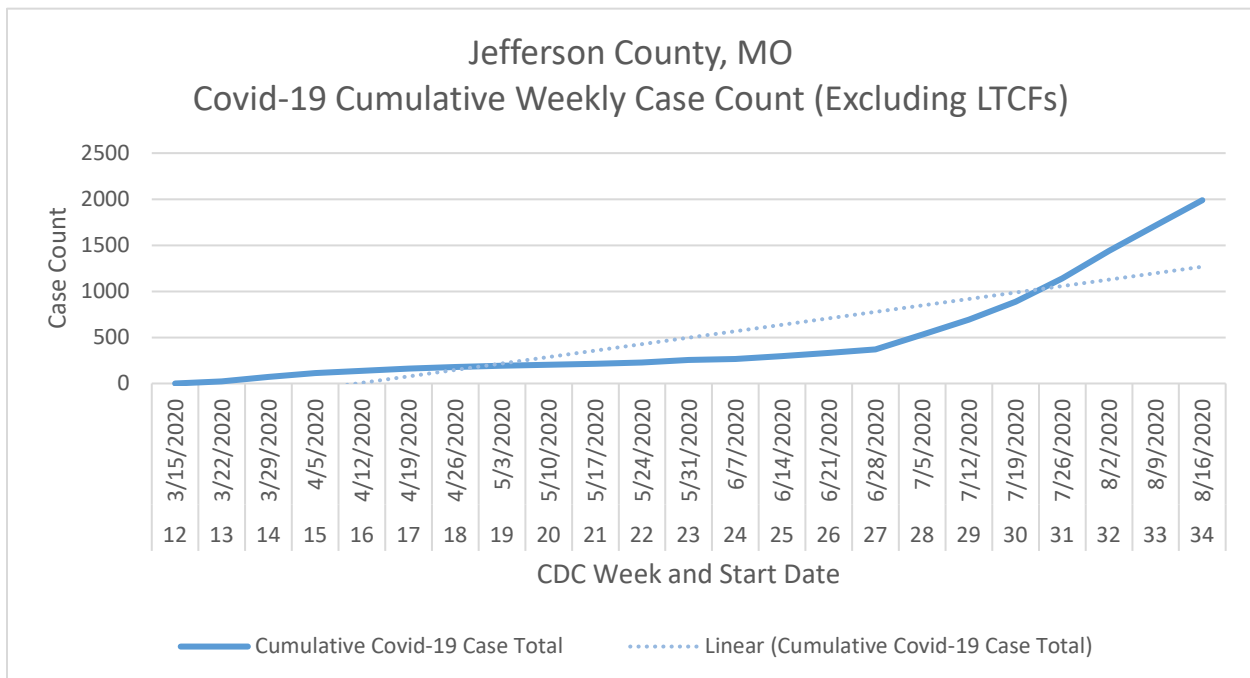


Figure 3. Covid-19 Daily Case Count and 7-Day Average (Excluding LTCFs), Jefferson County, Missouri

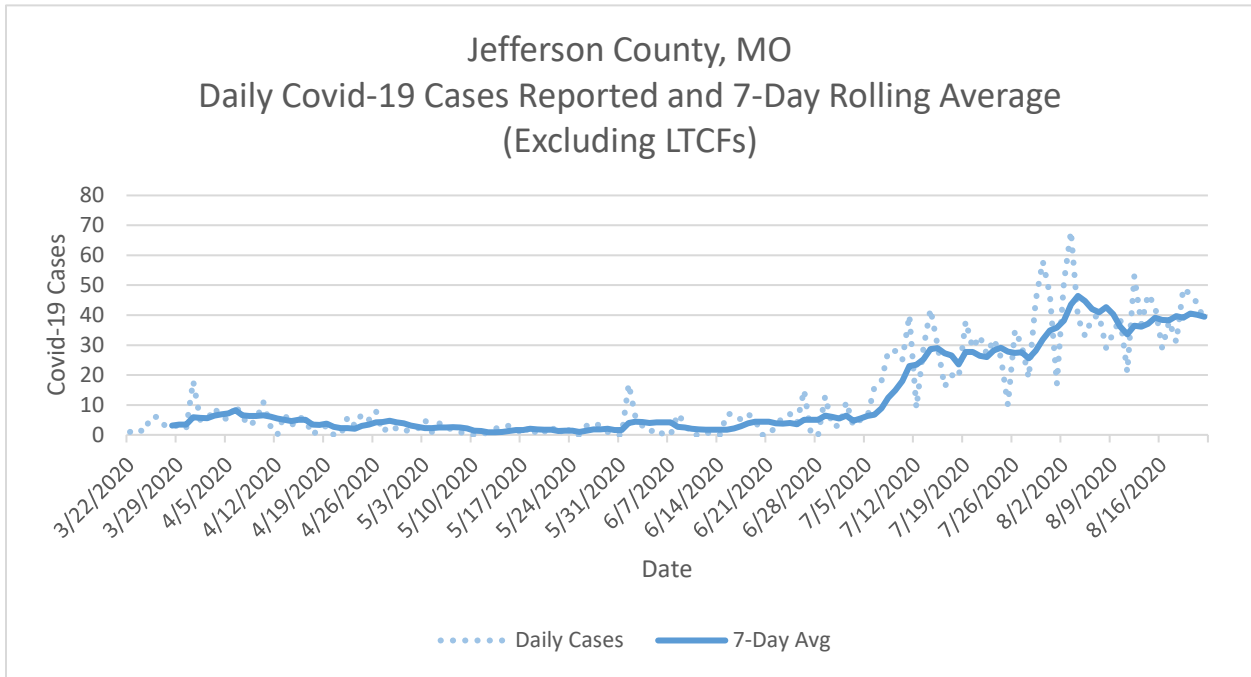


Figure 4. Confirmed and Probable Covid-19 Cases and Age-Adjusted Case Rates (Excluding LTCFs), Jefferson County, Missouri

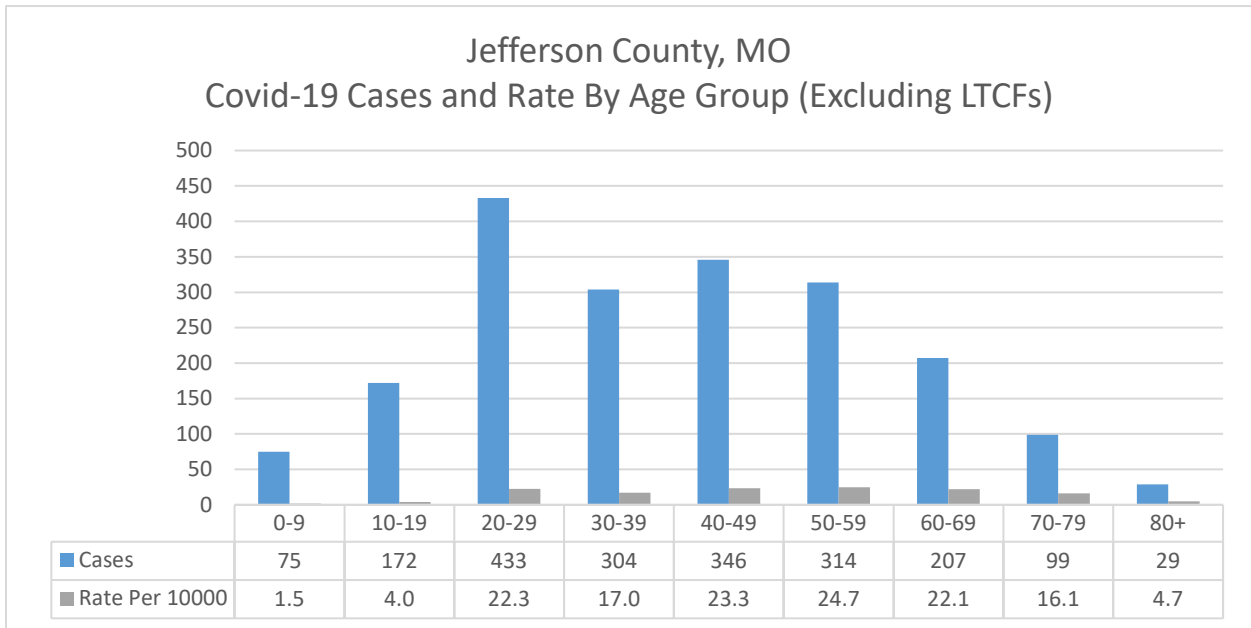


Figure 5. Covid-19 Fatalities and Fatality Rates by Age Group (Excluding LTCFs), Jefferson County, Missouri

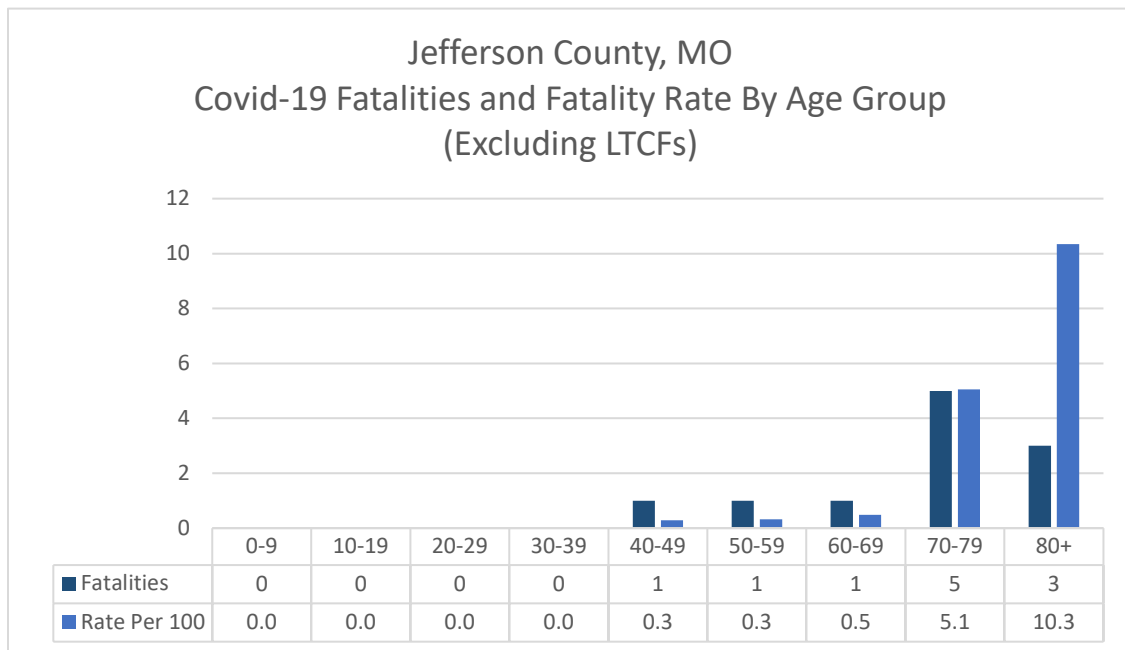


Table 2. Approximate Covid-19 Cumulative Fatality Rates (Excluding LTCFs)*

Jefferson County	.55%

*Missouri and United States data unavailable

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

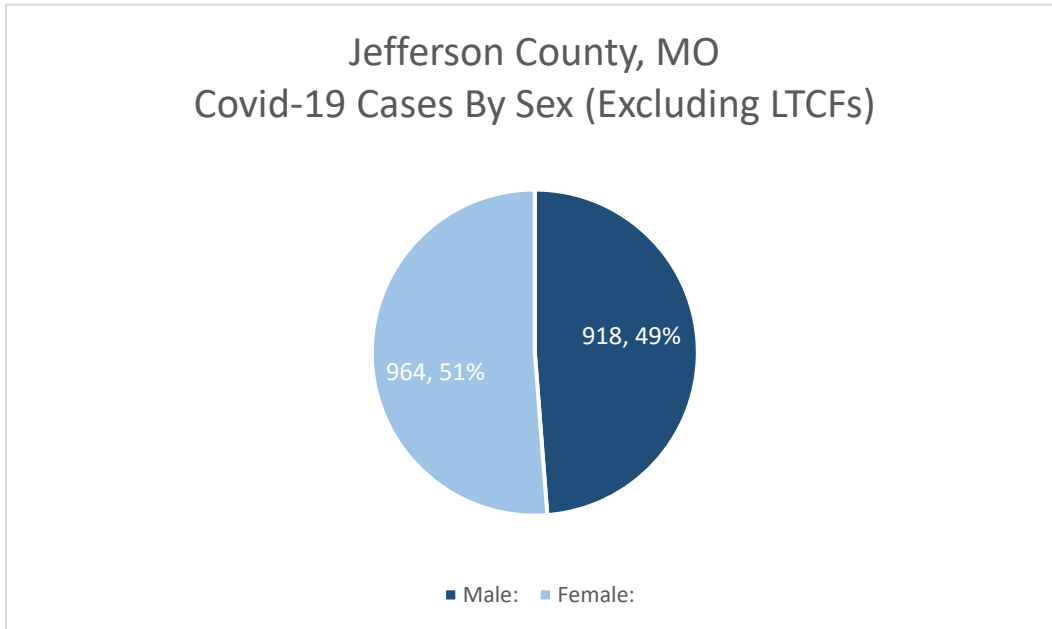


Figure 7. Covid-19 PCR Test Results by Week, Jefferson County (Excluding LTCFs), Missouri

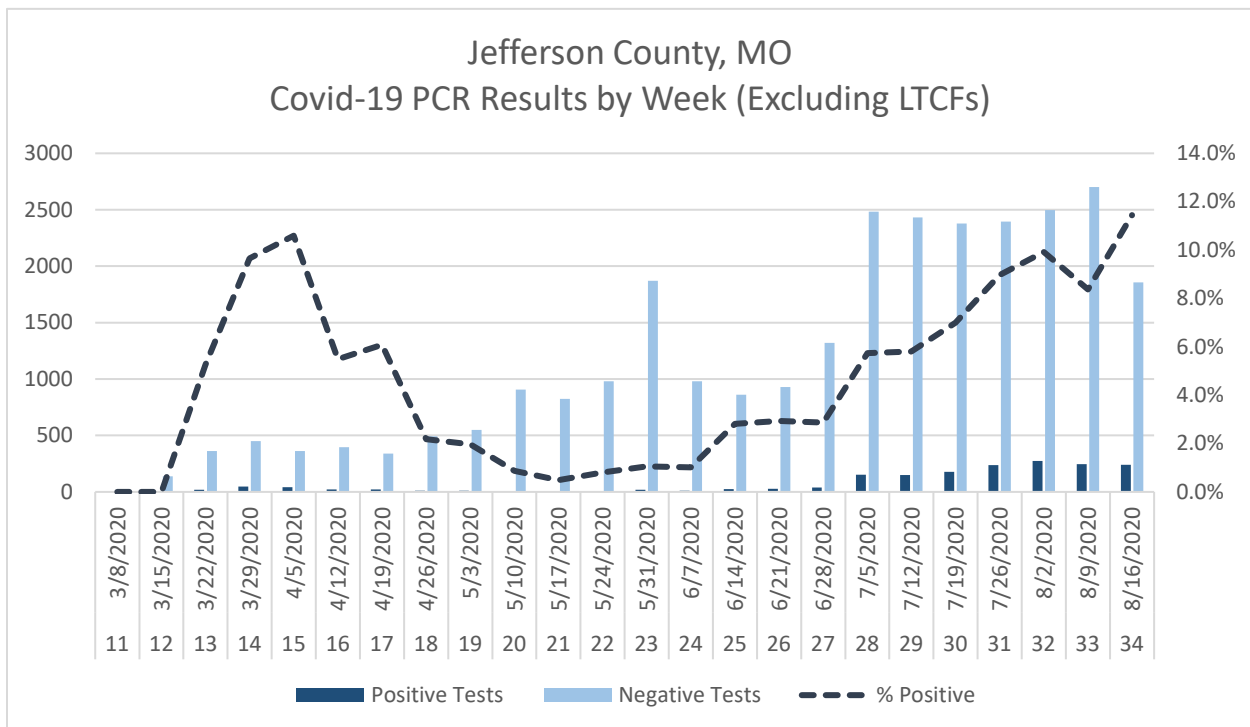


Table 3. Covid-19 PCR Test Results and Percent Positive
by Week, Jefferson County (Excluding LTCFs),
Missouri

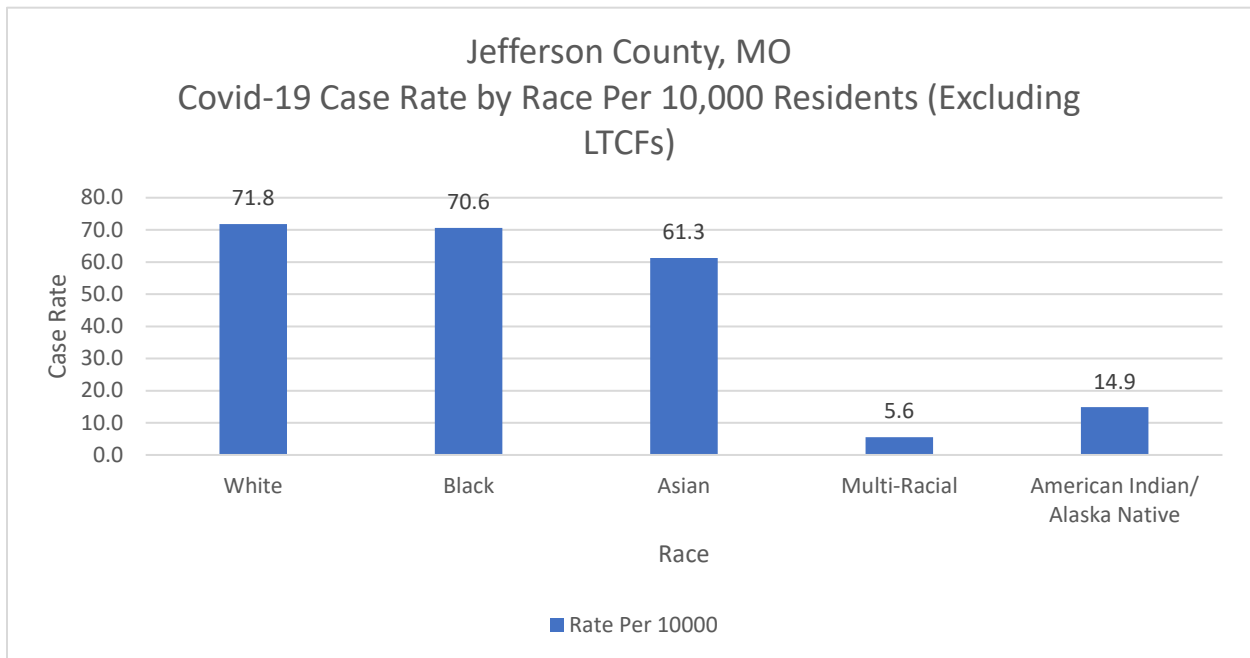
CDC Week	CDC Week Start Date	Positive Tests	Negative Tests	Total Tests	% Positive
11	3/8/2020	0	7	7	0.0%
12	3/15/2020	0	137	137	0.0%
13	3/22/2020	20	361	381	5.2%
14	3/29/2020	48	449	497	9.7%
15	4/5/2020	43	363	406	10.6%
16	4/12/2020	23	396	419	5.5%
17	4/19/2020	22	340	362	6.1%
18	4/26/2020	11	493	504	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	10	981	991	1.0%
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	151	2482	2633	5.7%
29	7/12/2020	150	2433	2583	5.8%
30	7/19/2020	179	2379	2558	7.0%
31	7/26/2020	236	2396	2632	9.0%
32	8/2/2020	275	2497	2772	9.9%
33	8/9/2020	247	2701	2948	8.4%
34	8/16/2020	240	1857	2097	11.4%

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

Race	Cases	Rate Per 10000
White	1549	71.8
Black	19	70.6
Asian	11	61.3
Multi-Racial	2	5.6
American Indian/ Alaska Native	1	14.9
Unknown	35	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

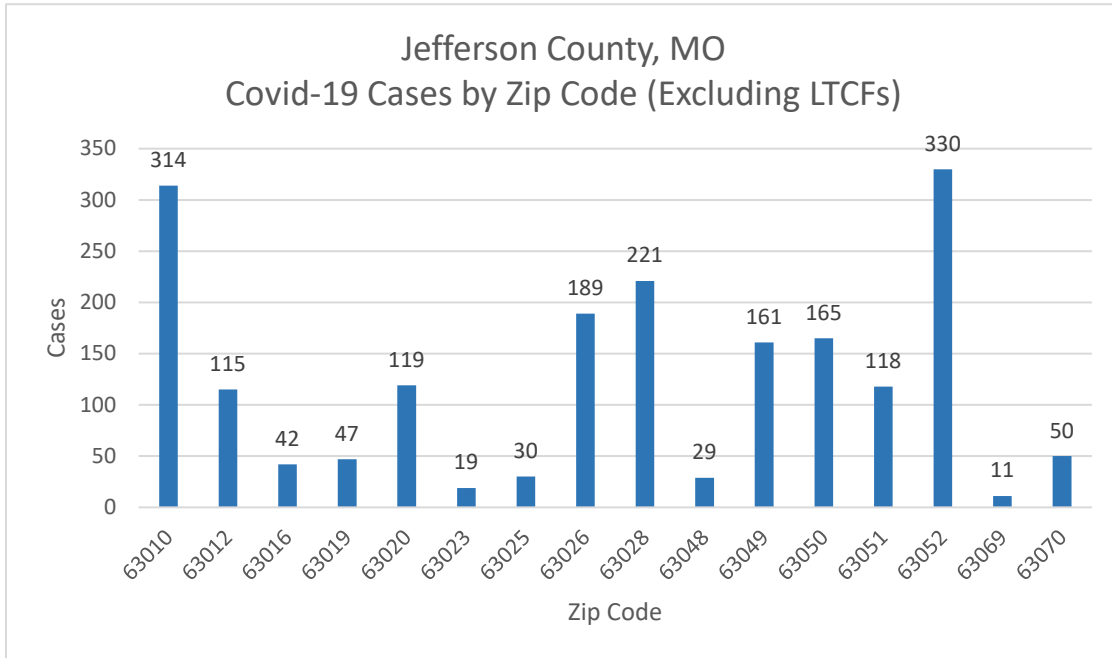
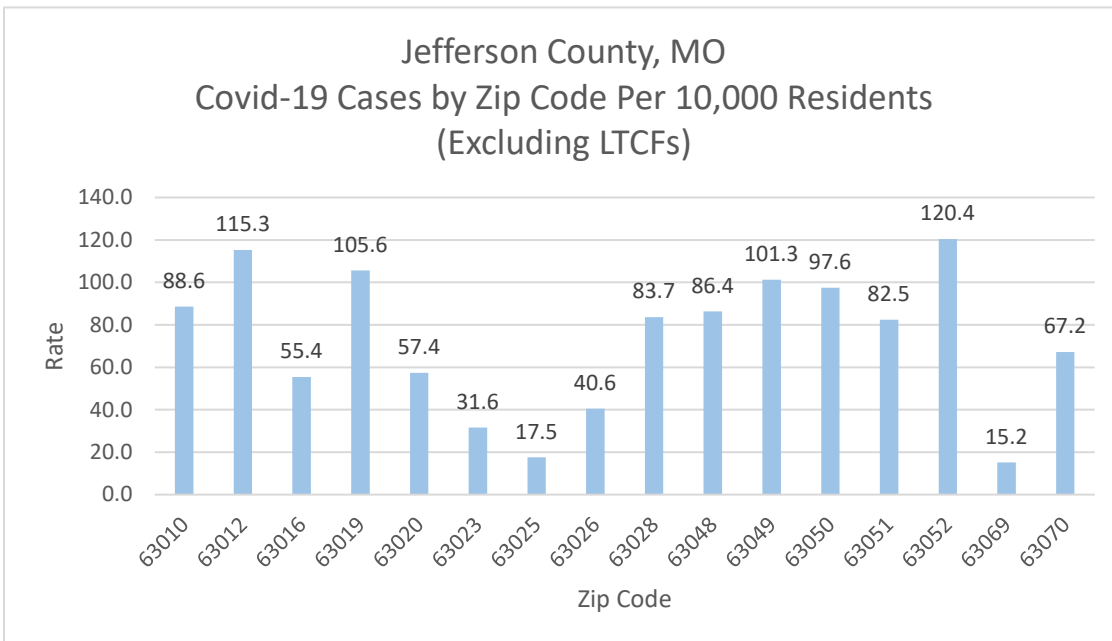


Figure 10. Covid-19 Cases by Zip Code Per 10,000 Residents, Jefferson County (Excluding LTCFs), Missouri





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

Jefferson County, Missouri
Covid-19 Surveillance Report for Local Hospital Systems

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

SUMMARY:

- A total of 141 Covid-19 associated hospitalizations have been reported from hospital systems for Jefferson County, Missouri as of Week 34.
- A total of 24 positive Covid-19 patients have been admitted to the ICU. Eight positive Covid-19 cases required ventilators as of Week 34.
- Six Covid-19 associated fatalities have been reported from hospital systems for Jefferson County, Missouri as of Week 34.

¹ Hospital data has been obtained from local Mercy facilities and local BJC facilities. Data from SSM has not been included at this time.

EPIDEMIOLOGIC DATA:

Figure 1. Covid-19 Hospital Admissions and 7-Day Average, Jefferson County, Missouri

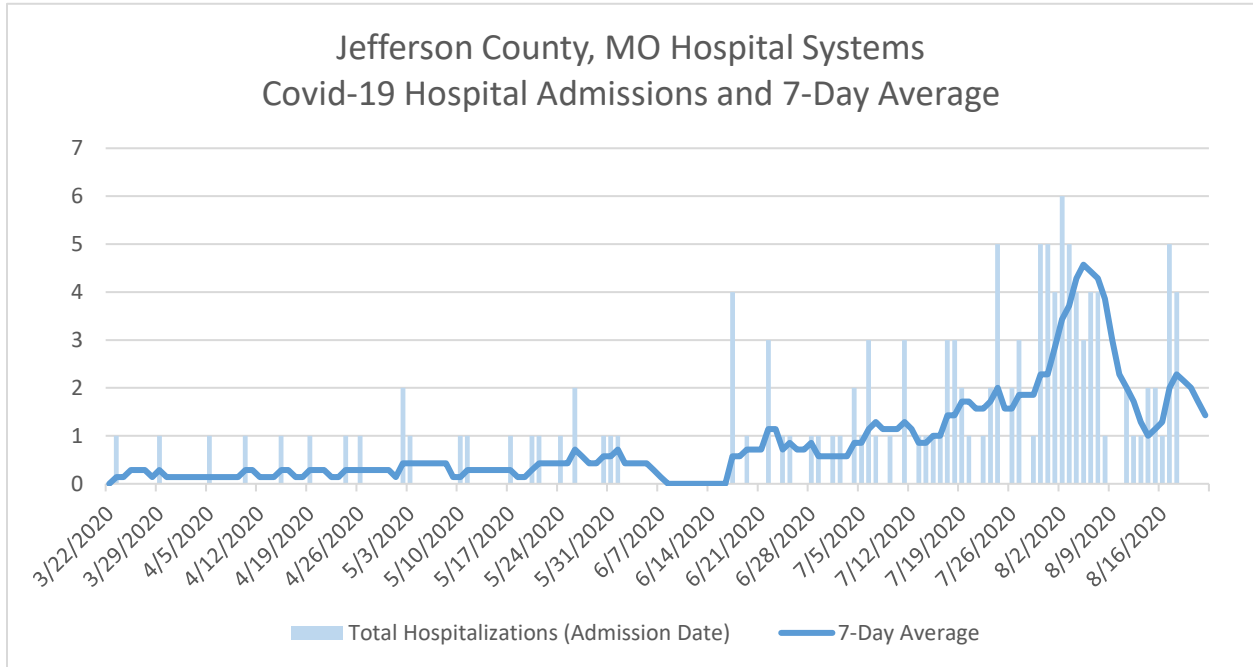


Figure 2. Covid-19 Hospitalizations by Age Group, Jefferson County, Missouri

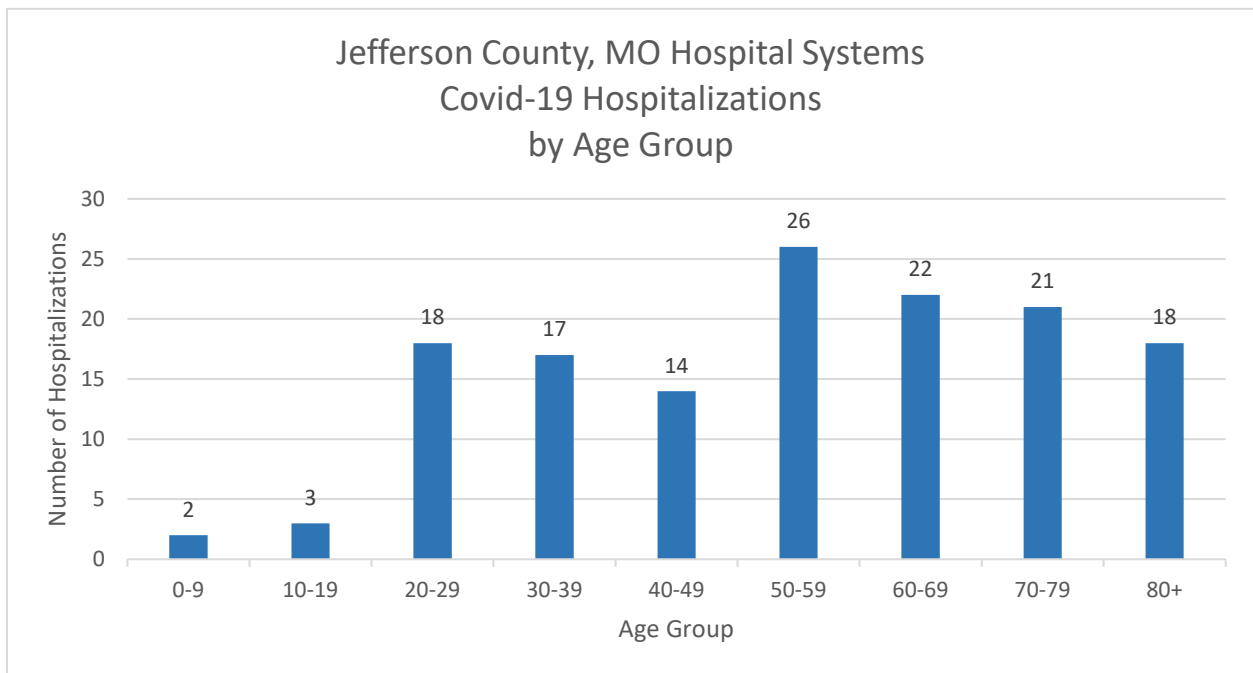


Figure 3. Length of Hospital Stay for Covid-19 Patients, Jefferson County, Missouri

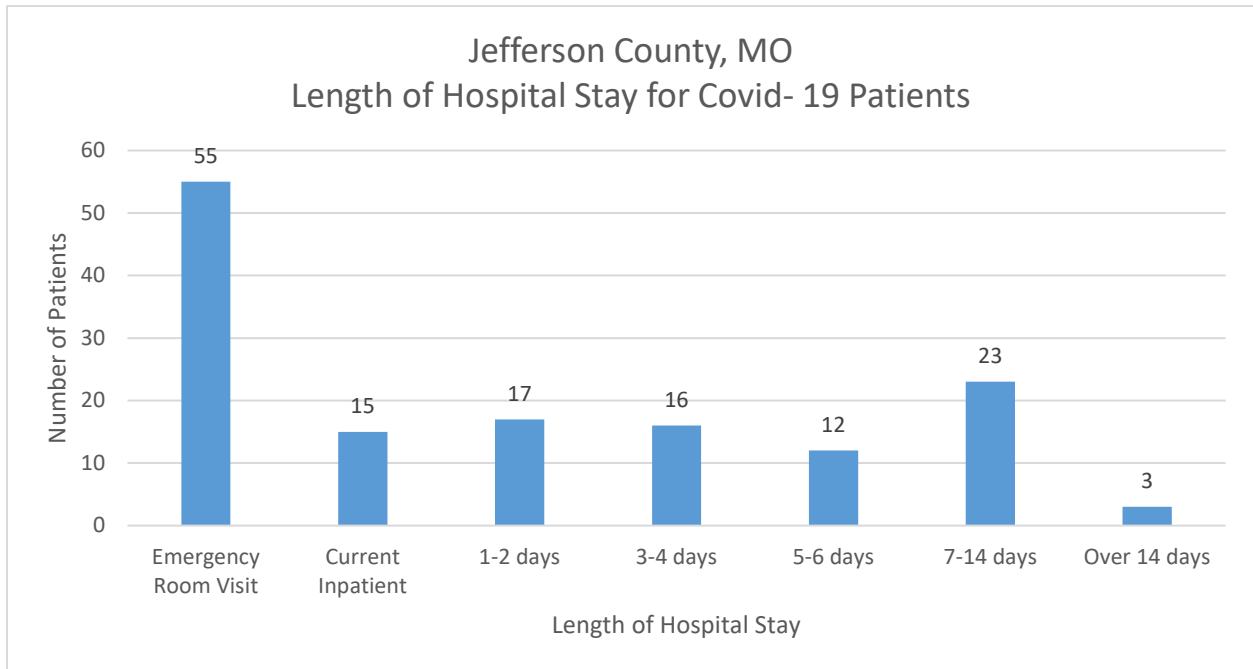
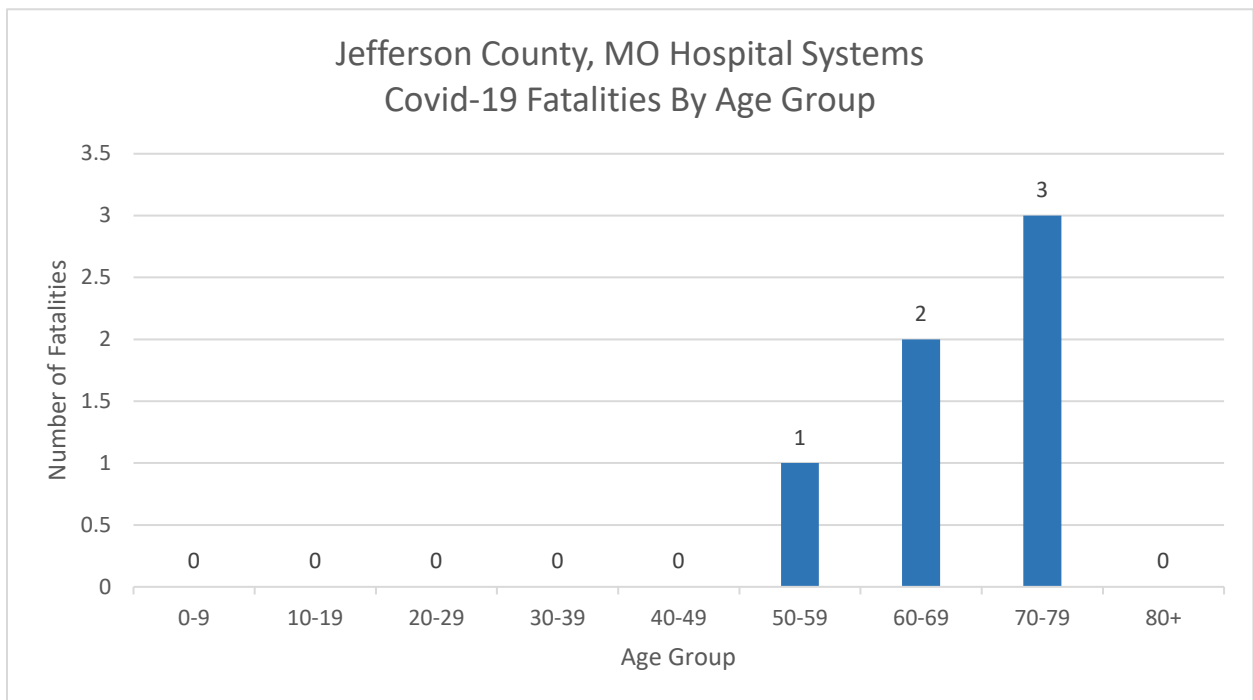


Figure 4. Covid-19 Fatalities by Age Group, Jefferson County, Missouri





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

-As of 8/22/2020, there have been 260 lab-confirmed and probable Covid-19 cases reported in the 0-19 year age group in Jefferson County, Missouri. This is a 24.5% increase in cases for this age group over the last 7 days.

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	0	5
25	6/14/2020	5	10
26	6/21/2020	4	14
27	6/28/2020	4	18
28	7/5/2020	27	45
29	7/12/2020	23	68
30	7/19/2020	34	102
31	7/26/2020	36	138
32	8/2/2020	35	173
33	8/9/2020	37	210
34	8/16/2020	50	260

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

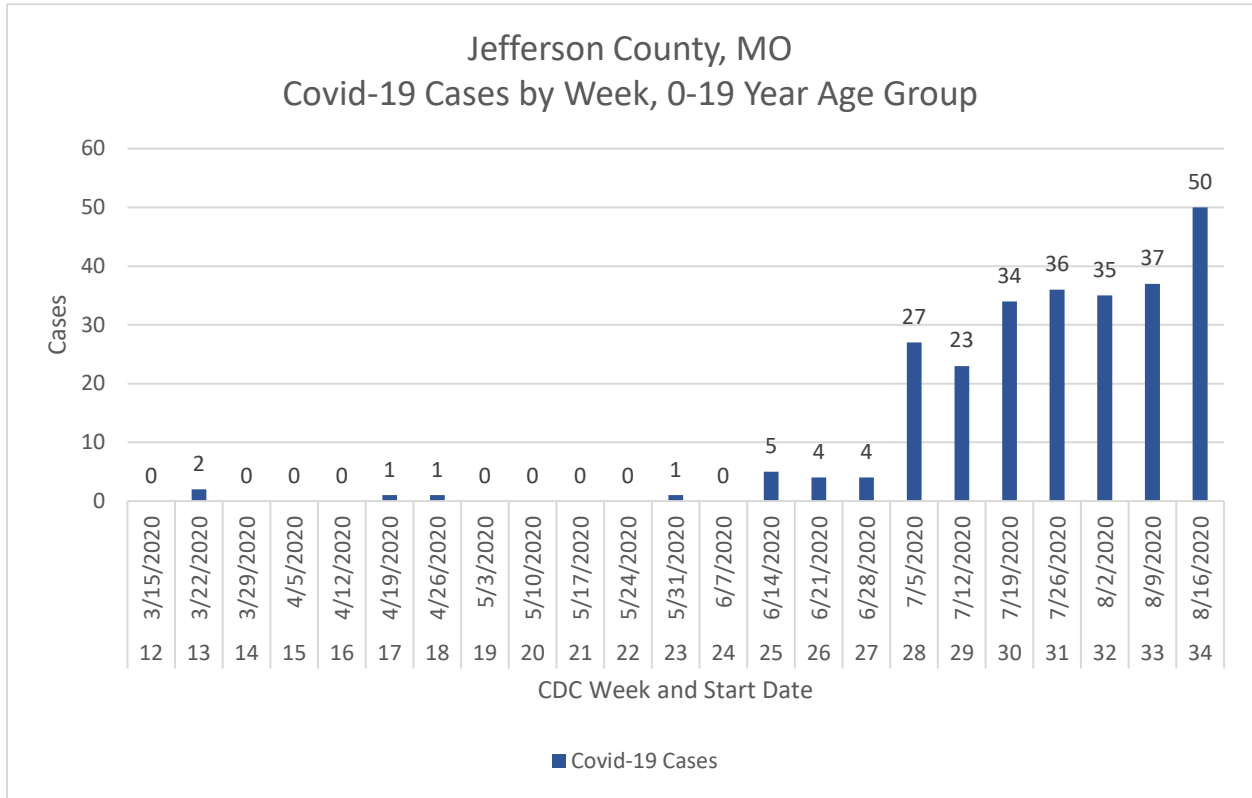


Table 2. Covid-19 Cases by Age Group, Jefferson County, Missouri

Age Group	Cases	Percent
0-9	76	3.19%
10-19	184	7.71%
20+	2115	88.68%

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

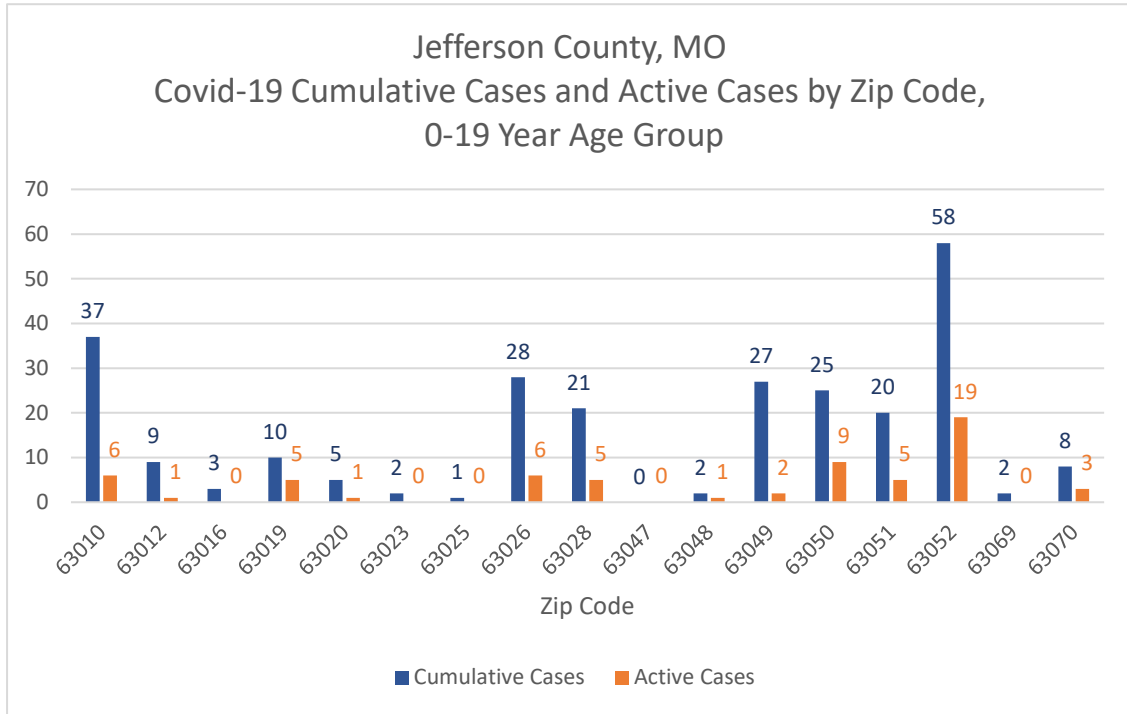


Figure 3. Covid-19 Cases by Age-Based Grade Levels, Jefferson County, Missouri

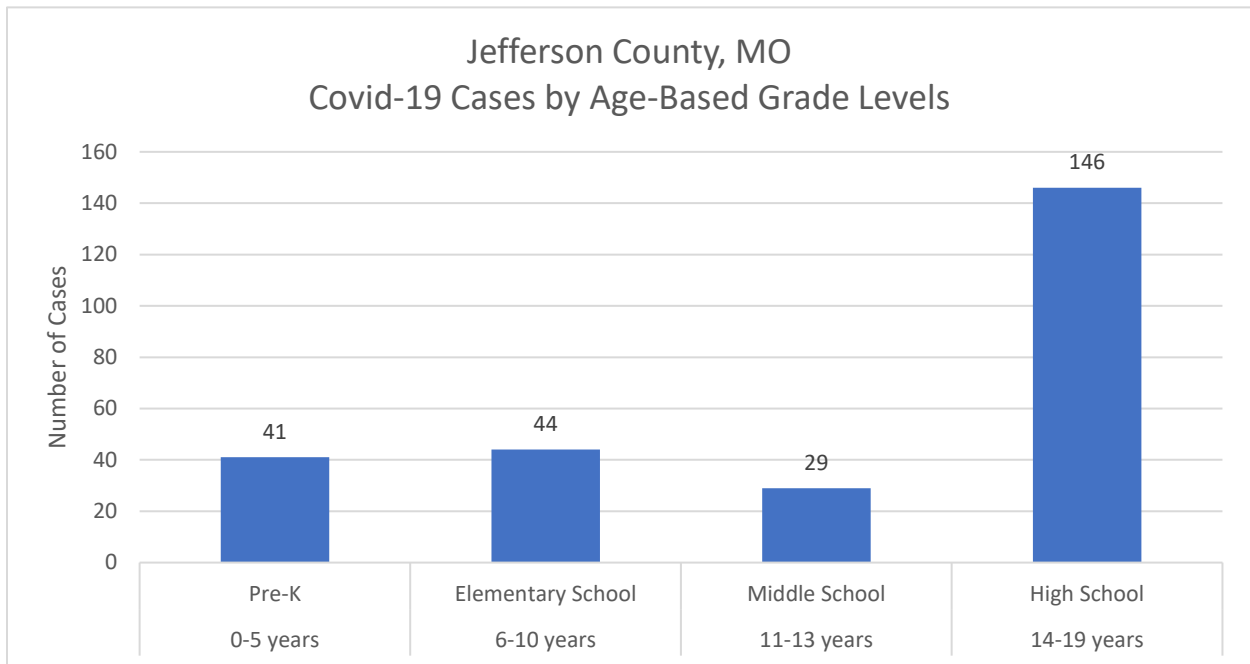


Figure 4. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Pre-K Age Group Jefferson County, Missouri

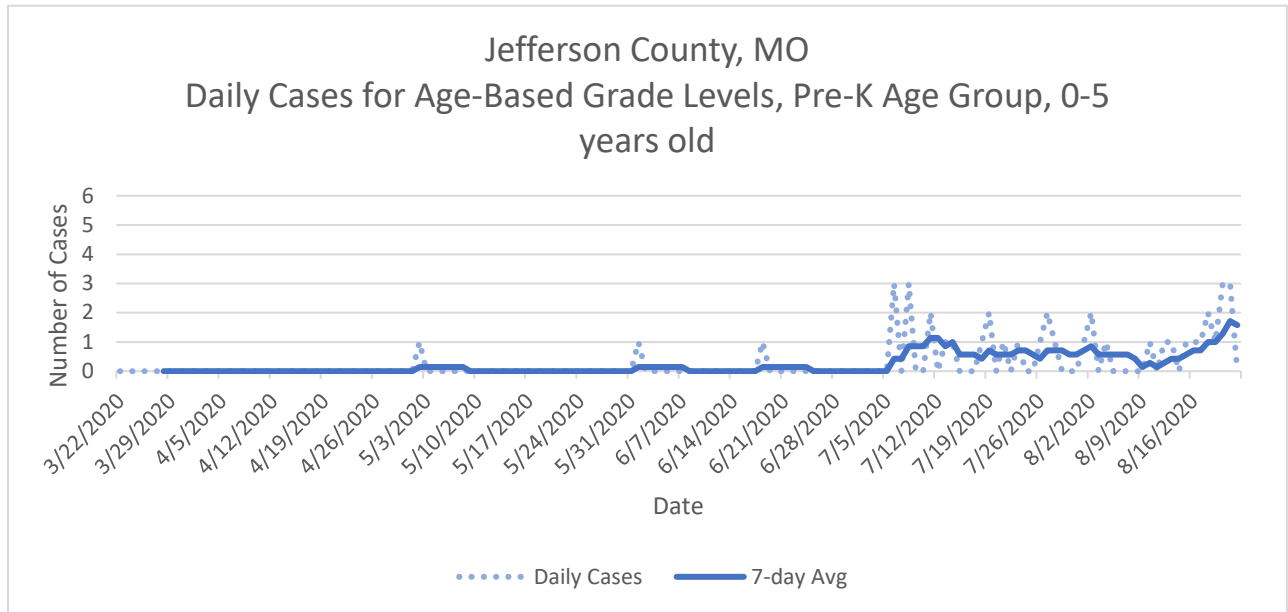


Figure 5. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Elementary School Age Group Jefferson County, Missouri

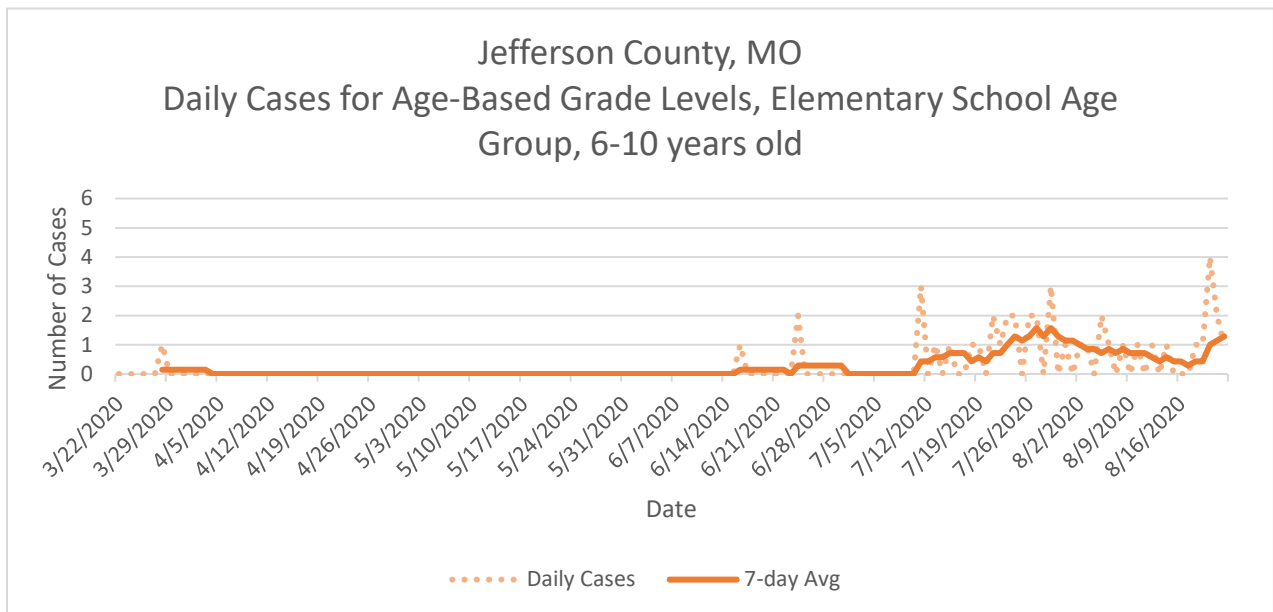


Figure 6. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, Middle School Age Group Jefferson County, Missouri

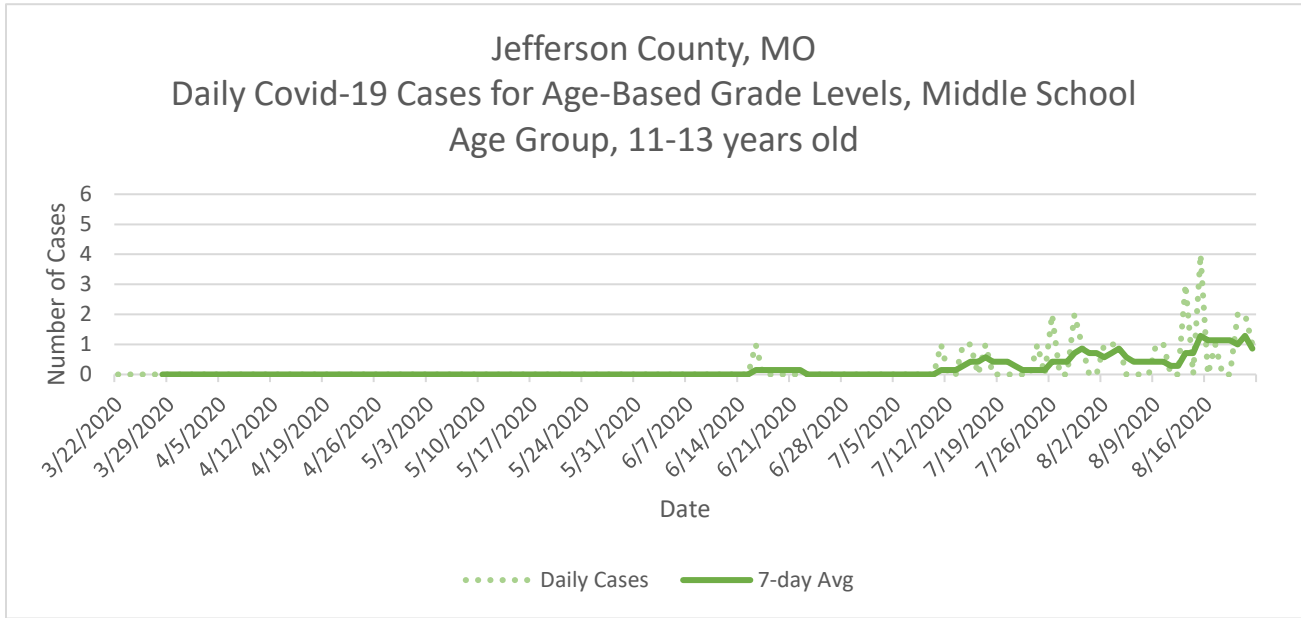


Figure 7. Daily Covid-19 Cases and 7-Day Rolling Average by Age-Based Grade Levels, High School Age Group Jefferson County, Missouri

