

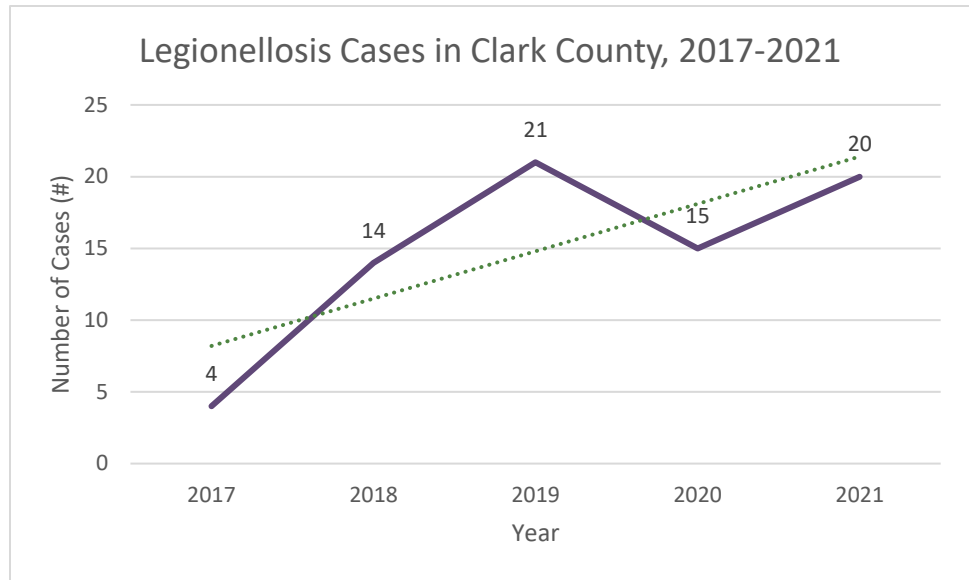
# LEGIONELLOSIS 2017-2021

Legionellosis is an infection caused by the bacterium *Legionella pneumophila*. Legionella organisms reproduce to high numbers in warm, stagnant water, such as certain plumbing systems and hot water tanks, cooling towers, evaporative condensers of large air conditioning systems, and whirlpool spas.

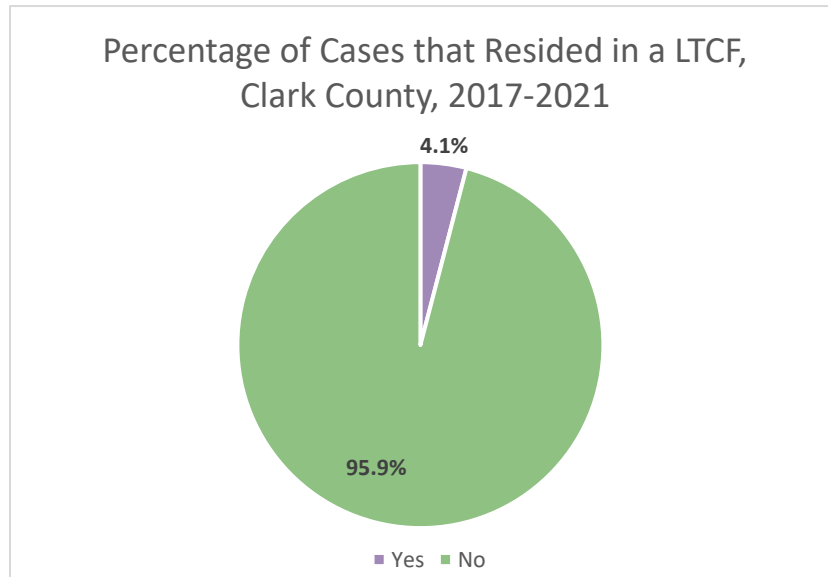
Confirmed Legionellosis cases have been increasing in Clark County since 2017 (Figure 1). From 2017 to 2021 there was a 400.0% increase of Legionellosis cases.

Of all of the Legionellosis cases in Clark County from 2017-2021, 4.1% of the cases resided in a long term care facility (LTCF) when they contracted Legionellosis (Figure 2). These cases involved 3 facilities.

The zip code that involved that most (28.4%) Legionellosis cases was 45503 (Table 1). The second highest (17.6%) Legionellosis cases by zip code involved 45505.



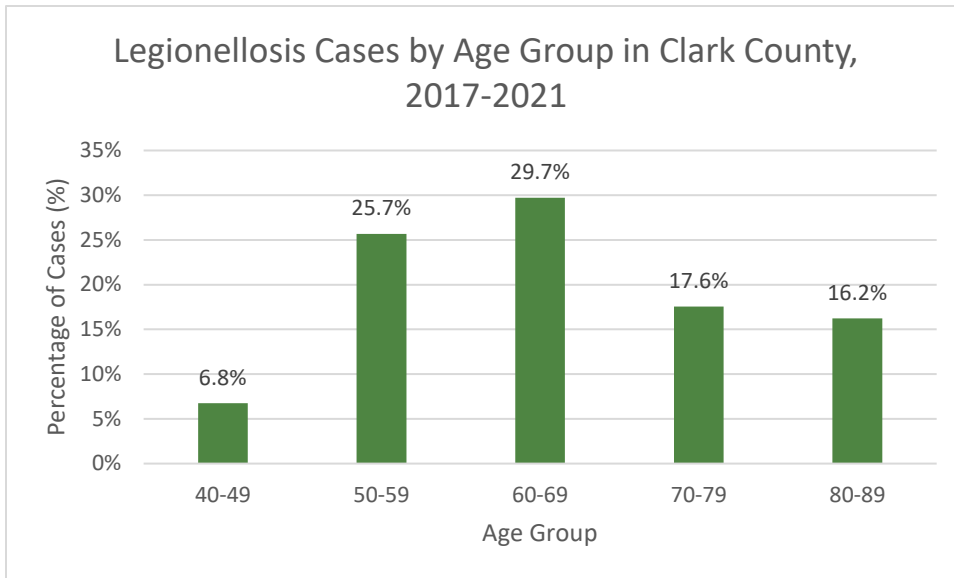
**Figure 1** Legionellosis Cases in Clark County, 2017-2021.



**Figure 2** Percentage of Cases that Resided in a LTCF, Clark County, 2017-2021.

**Table 1** Percentage of Cases in the Zip-Code that they Resided, Clark County, 2017-2021.

Zip Code	% of Cases
43010	2.7%
45319	1.4%
45323	2.7%
45341	1.4%
45344	6.8%
45369	1.4%
45501	1.4%
45502	13.5%
45503	28.4%
45504	14.9%
45505	17.6%
45506	8.1%



The age group that involved the most (29.7%) Legionellosis cases from 2017-2021 was 60-69 year old's (Figure 3).

50-59 year old's involved the second highest amount (25.7%) of Legionellosis cases in Clark County.

**Figure 3** Legionellosis Cases by Age Group in Clark County, 2017-2021.

**Sex**

Males made up the majority (54.1%) of Legionellosis cases in Clark County from 2017-2021 (Table 2).

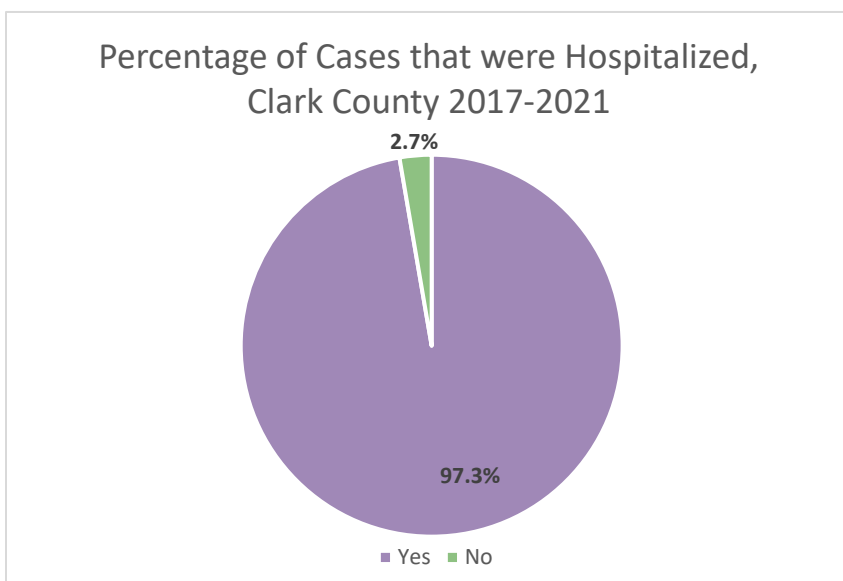
White Non-Hispanic cases consisted of 87.8% of the Legionellosis cases from 2017-2021 (Table 3).

**Table 2** Percentage of Legionellosis Cases by Sex, Clark County, 2017-2021.

Sex	% of Cases
Female	45.9%
Male	54.1%

**Table 3** Percentage of Legionellosis Cases by Race/Ethnicity, Clark County, 2017-2021.

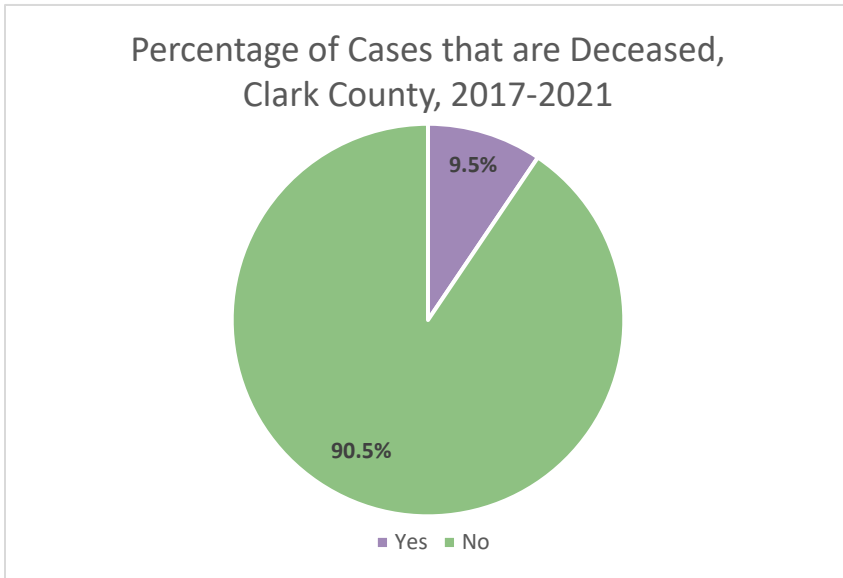
Race & Ethnicity	% of Cases
Black NH	12.2%
White NH	87.8%



Of all of the Legionellosis cases in Clark County from 2017-2021, 97.3% of the cases were hospitalized (Figure 4).

The average amount of time these cases were hospitalized was 7 days. The days hospitalized ranged from 1 day to 48 days.

**Figure 4** Percentage of Cases that were Hospitalized, Clark County, 2017-2021.



**Figure 5** Percentage of Cases that are Deceased, Clark County, 2017-2021.

Of all of the Legionellosis cases in Clark County from 2017-2021, 9.5% of the cases are now deceased (Figure 5).

Of the 9.5% (7 deaths) of deceased cases, Legionellosis contributed to 42.9% (3 deaths) of the deceased cases.