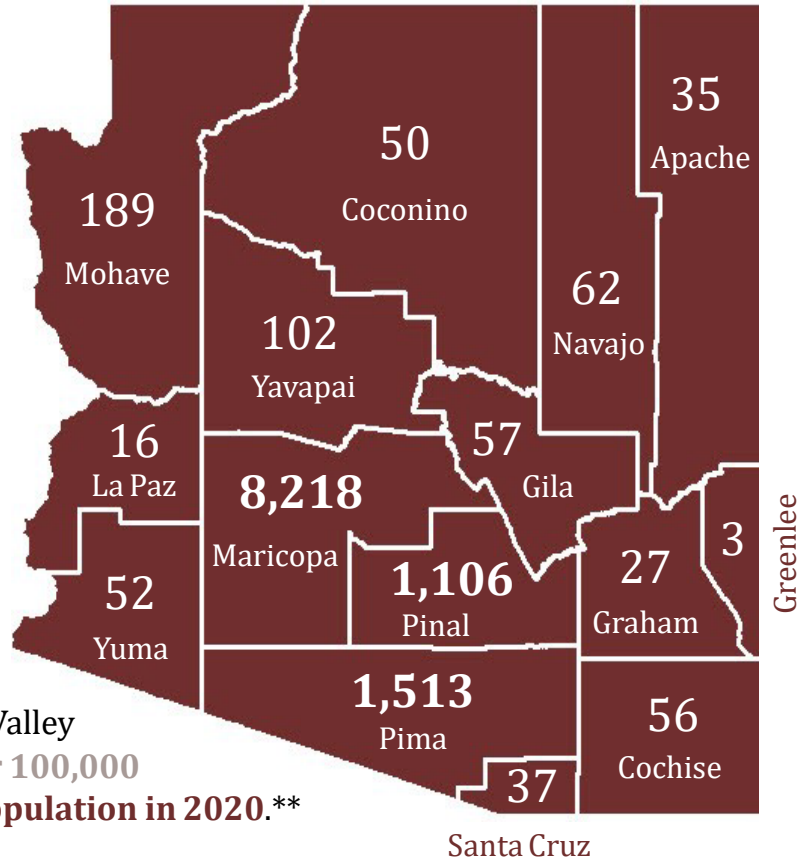


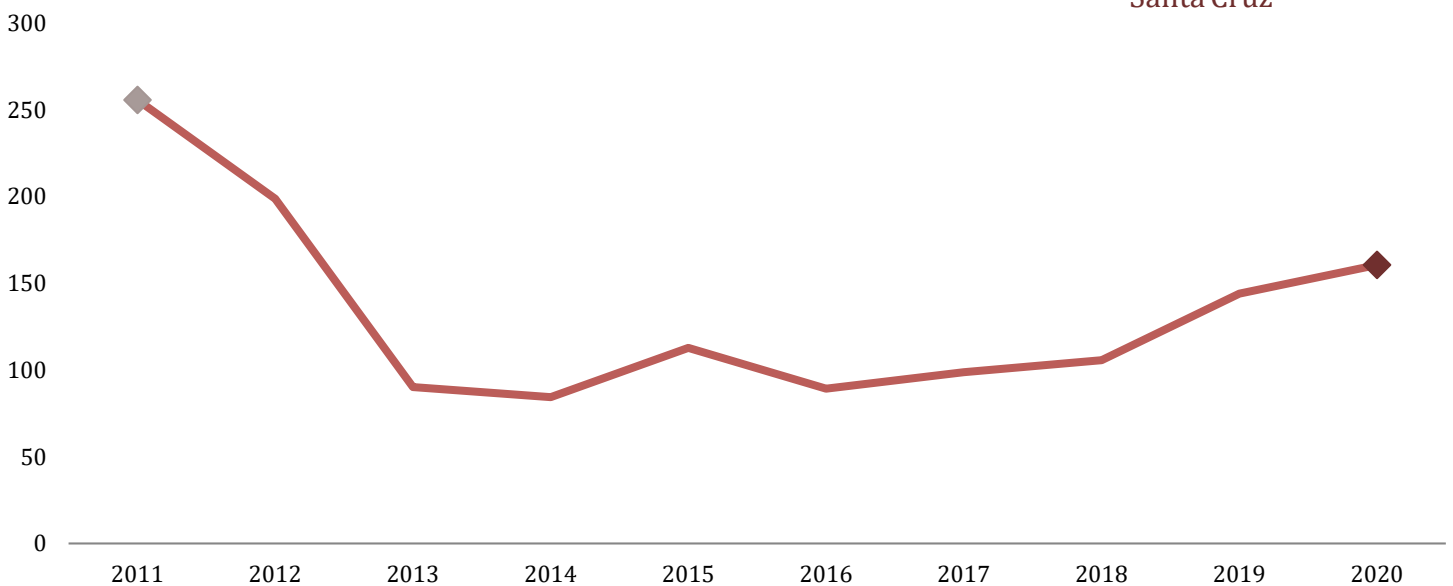
2020 Surveillance Highlights

- 11,523** reported cases of Valley fever
- 94%** of cases were reported in 3 counties
- 75–84 years** is the age group with the highest case rate
- 971** hospitalizations with a primary diagnosis of Valley fever
- \$75.4 million** in total hospitalization charges for Arizonans with a primary diagnosis of Valley fever
- \$50,339** was the average charge per hospitalization with a primary diagnosis of Valley fever
- 98** deaths attributable to Valley fever

Case Distribution Across the State



In the last decade, the incidence* of reported Valley fever in Arizona has decreased from **255.8 per 100,000 population in 2011** to **160.6 per 100,000 population in 2020**.**



*All incidence rate calculations included in this report are based on population denominators estimated by the ADHS Health Status and Vital Statistics Section using population projections obtained from the Arizona Department of Administration.

**Changes in reporting and testing practices at Laboratory A in 2009 and 2012 significantly impacted the number of reported cases.

Appendix

Table 1. Reported cases and rates of Valley fever, 1990–2020.

| Year | Reported Cases | Rates* |
|-------------|----------------|--------------|
| 1990 | 191 | 5.2 |
| 1991 | 287 | 7.8 |
| 1992 | 437 | 11.3 |
| 1993 | 592 | 14.6 |
| 1994 | 580 | 13.6 |
| 1995 | 626 | 14.1 |
| 1996 | 655 | 14.4 |
| 1997 | 869 | 20.5 |
| 1998 | 1,556 | 30.2 |
| 1999 | 1,813 | 36.1 |
| 2000 | 1,922 | 37.4 |
| 2001 | 2,302 | 43.4 |
| 2002 | 3,118 | 57.2 |
| 2003 | 2,695 | 47.9 |
| 2004 | 3,665 | 62.9 |
| 2005 | 3,515 | 58.1 |
| 2006 | 5,535 | 88.7 |
| 2007 | 4,832 | 74.9 |
| 2008 | 4,768 | 73.0 |
| 2009 | 10,233 | 155.1 |
| 2010 | 11,888 | 185.9 |
| 2011 | 16,472 | 255.8 |
| 2012 | 12,920 | 198.8 |
| 2013 | 5,861 | 90.2 |
| 2014 | 5,624 | 84.4 |
| 2015 | 7,622 | 112.8 |
| 2016 | 6,101 | 89.3 |
| 2017 | 6,885 | 98.8 |
| 2018 | 7,478 | 105.7 |
| 2019 | 10,358 | 144.1 |
| 2020 | 11,523 | 160.6 |

*Reported cases per 100,000 population

Table 2. Reported cases and rates by county, 2020.

| County | Cases | 2020 Rates* | 2015–2019 Avg. Rates* |
|----------------|---------------|--------------|-----------------------|
| Apache | 35 | 53.0 | 36.2 |
| Cochise | 56 | 44.5 | 36.4 |
| Coconino | 50 | 34.3 | 28.2 |
| Gila | 57 | 106.9 | 96.3 |
| Graham | 27 | 69.9 | 44.4 |
| Greenlee | 3 | 31.4** | 22.6 |
| La Paz | 16 | 96.5** | 74.8 |
| Maricopa | 8,218 | 185.2 | 129.8 |
| Mohave | 189 | 88.3 | 37.9 |
| Navajo | 62 | 58.1 | 45.4 |
| Pima | 1,513 | 144.7 | 107.7 |
| Pinal | 1,106 | 258.3 | 147.2 |
| Santa Cruz | 37 | 77.4 | 33.2 |
| Yavapai | 102 | 43.0 | 32.6 |
| Yuma | 52 | 25.4 | 16.0 |
| Arizona | 11,523 | 160.6 | 110.1 |

*Reported cases per 100,000 population

**Rates are based on counts fewer than 20, which are unreliable

Table 3. Reported cases and rates by age groups, 2020.

| Age Group* (years) | Cases | Rates** |
|-----------------------|-------|---------|
| <5 | 34 | 8.0 |
| 5-14 | 282 | 30.8 |
| 15-24 | 827 | 86.1 |
| 25-34 | 1,225 | 123.4 |
| 35-44 | 1,455 | 164.8 |
| 45-54 | 1,702 | 202.5 |
| 55-64 | 2,037 | 234.4 |
| 65-74 | 2,278 | 307.4 |
| 75-84 | 1,317 | 325.2 |
| >84 | 353 | 245.6 |

*Age could not be ascertained for 13 cases (approximately 0.1% of all cases).

**Reported cases per 100,000 population

Table 4. Reported cases and rates by gender, 2020.

| Gender | Cases | Percent of Total | Rates* |
|-------------|-------|---------------------|--------|
| Female | 5,764 | 50.0% | 159.6 |
| Male | 5,725 | 49.7% | 160.6 |
| Transgender | 3 | 0.03% | --- |
| Unknown | 31 | 0.3% | --- |

*Reported cases per 100,000 population

Table 5. Reported cases by race or ethnicity, 2020.

| Race or Ethnicity | Cases | Percent of Total | Percent of Cases with known Race or Ethnicity |
|---------------------------|-------|------------------|---|
| Asian or Pacific Islander | 176 | 1.5% | 4.0% |
| Black | 290 | 2.5% | 6.6% |
| Hispanic or Latino | 792 | 6.9% | 17.9% |
| Native American | 278 | 2.4% | 6.3% |
| White | 2,670 | 23.2% | 60.4% |
| Other | 213 | 1.8% | 4.8% |
| Unknown | 7,104 | 61.7% | -- |

Table 6. Rates of hospitalizations with a primary diagnosis of Valley fever by county, 2020.

| County | Hospitalization Rates* |
|----------------|------------------------|
| Apache | 3.0** |
| Cochise | 1.6** |
| Coconino | 4.8** |
| Gila | 11.3** |
| Graham | 7.8** |
| Greenlee | 10.5** |
| La Paz | 6.0** |
| Maricopa | 16.4 |
| Mohave | 4.7** |
| Navajo | 5.6** |
| Pima | 9.5 |
| Pinal | 22.7 |
| Santa Cruz | 2.1** |
| Yavapai | 3.0** |
| Yuma | 1.0** |
| Arizona | 13.5 |

*Hospitalizations per 100,000 population

**Rates are based on counts fewer than 20, which are unreliable