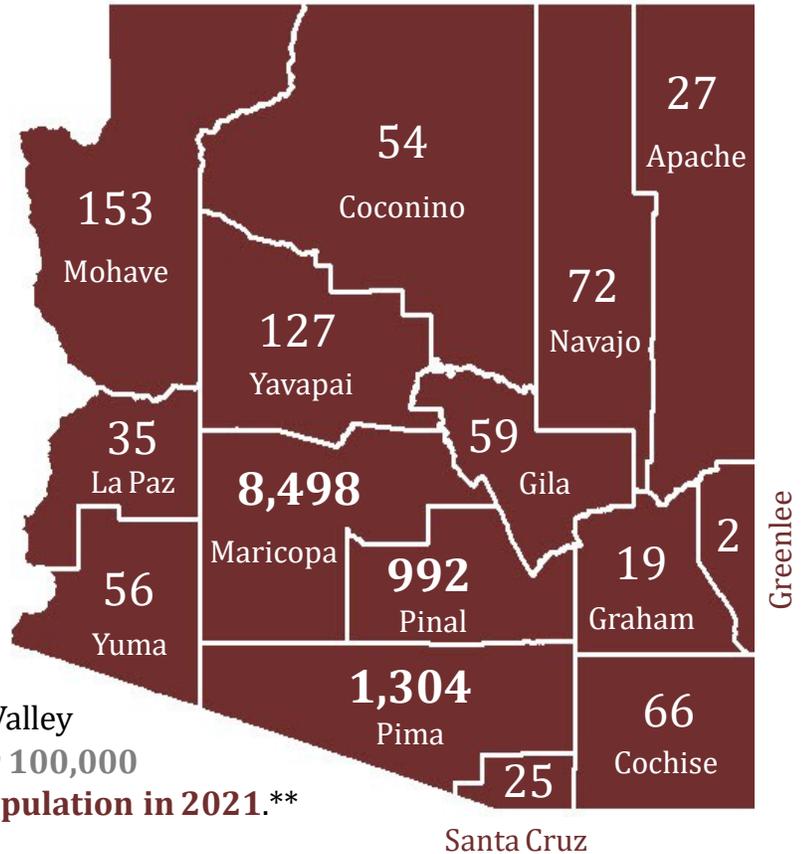


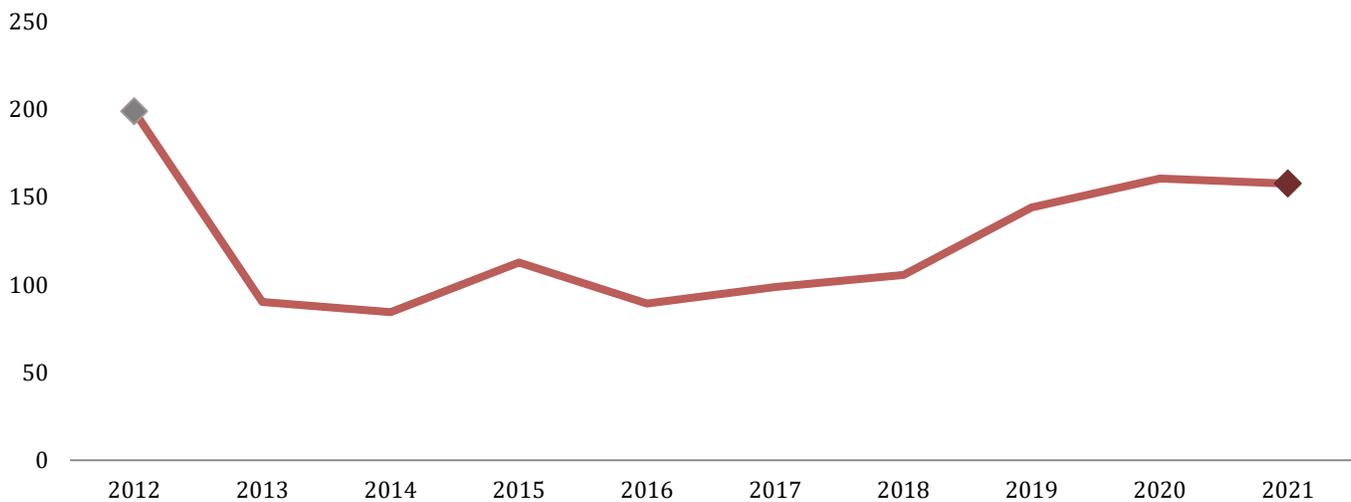
## 2021 Surveillance Highlights

- 11,489** 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
- 862** hospitalizations with a primary diagnosis of Valley fever
- \$84.2 million** in total hospitalization charges for Arizonans with a primary diagnosis of Valley fever
- \$55,990** was the median charge per hospitalization with a primary diagnosis of Valley fever
- 102** 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 **198.8 per 100,000 population in 2012** to **157.7 per 100,000 population in 2021**.\*\*



\*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, 1990–2021.**

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
<b>2021</b>	<b>11,489</b>	<b>157.7</b>

\*Reported cases per 100,000 population

**Table 2. Reported cases and rates by county, 2021.**

County	Cases	2021 Rates*	2015–2020 Avg. Rates*
Apache	27	40.7	39.0
Cochise	66	52.2	37.7
Coconino	54	36.6	29.2
Gila	59	110.2	98.1
Graham	19	48.7**	48.6
Greenlee	2	20.8**	24.1
La Paz	35	208.1	78.4
Maricopa	8,498	188.5	139.0
Mohave	153	70.7	46.3
Navajo	72	66.8	47.5
Pima	1,304	123.2	113.8
Pinal	992	225.9	165.7
Santa Cruz	25	51.6	40.5
Yavapai	127	52.7	34.4
Yuma	56	27.0	17.5
<b>Arizona</b>	<b>11,489</b>	<b>157.7</b>	<b>118.5</b>

\*Reported cases per 100,000 population

\*\*Random error may be substantial when the number of cases is less than 20, making it difficult to distinguish fluctuations from true change in the underlying risk of disease. Interpret rates based on small numbers with caution.

**Table 3. Reported cases and rates by age groups, 2021.**

Age Group* (years)	Cases	Rates**
<5	26	6.2
5-14	219	23.8
15-24	723	74.6
25-34	1,101	108.8
35-44	1,419	158.2
45-54	1,691	200.3
55-64	2,035	231.5
65-74	2,350	304.3
75-84	1,460	342.5
>84	437	292.7

\*Age could not be ascertained for 28 cases (approximately 0.2% of all cases).

\*\*Reported cases per 100,000 population

**Table 4. Reported cases and rates by sex, 2021.**

Gender	Cases	Percent of Total	Rates*
Male	5,802	50.5%	160.4
Female	5,676	49.4%	154.7
Unknown	11	0.1%	---

\*Reported cases per 100,000 population

**Table 5. Reported cases by race/ethnicity, 2021.**

Race/Ethnicity	Cases	Percent of Total	Percent of Cases with known Race / Ethnicity
Asian or Pacific Islander, non-Hispanic	220	1.9%	3.7%
Black or African American, non-Hispanic	402	3.5%	6.8%
Hispanic or Latino	1,255	10.9%	21.1%
Native American or Alaskan Native, non-Hispanic	265	2.3%	4.5%
White, non-Hispanic	3,471	30.2%	58.5%
Other Race	323	2.8%	5.4%
Unknown	5,553	48.4%	--

**Table 6. Rates of hospitalizations with a primary diagnosis of Valley fever by county, 2021.**

County	Hospitalization Rates*
Apache	3.0**
Cochise	4.0**
Coconino	4.1**
Gila	7.5**
Graham	5.1**
Greenlee	0.0**
La Paz	41.6**
Maricopa	14.0
Mohave	7.4**
Navajo	1.9**
Pima	8.0
Pinal	20.3
Santa Cruz	2.1**
Yavapai	2.1**
Yuma	3.4**
<b>Arizona</b>	<b>11.8</b>

\*Hospitalizations per 100,000 population

\*\*Random error may be substantial when the number is less than 20, making it difficult to distinguish fluctuations from true change in the underlying risk. Interpret rates based on small numbers with caution.