

2023 Surveillance Highlights

10,990 reported cases of Valley fever

93% of cases were reported in 3 counties

75 – 84 years is the age group with the highest case rate per 100,000 population

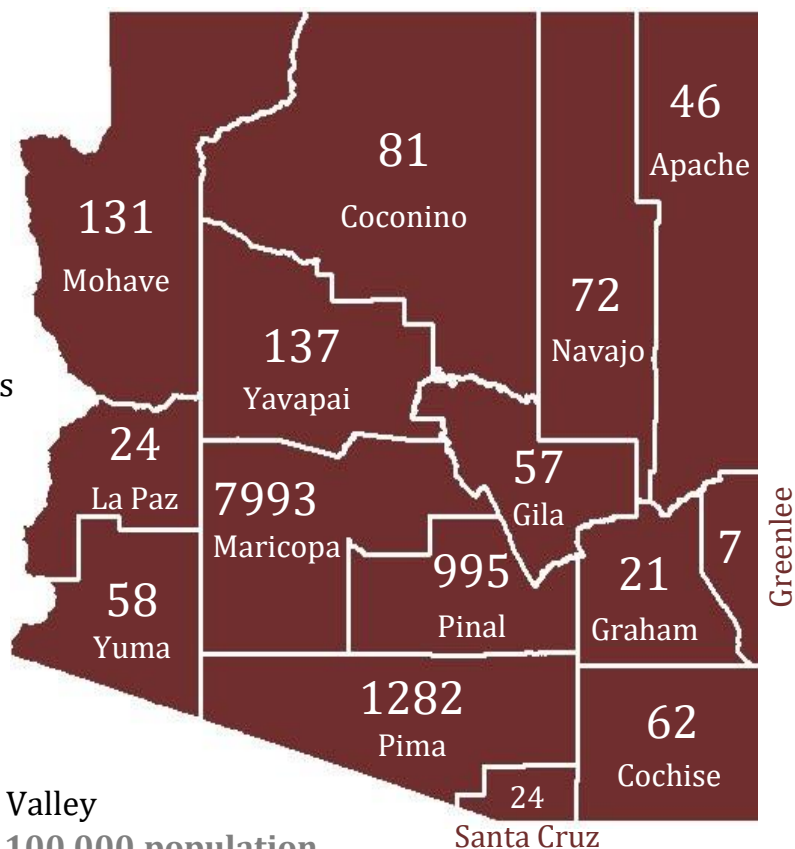
805 hospitalizations with a primary diagnosis of Valley fever

\$73.9 million in total hospitalization charges for Arizonans with a primary diagnosis of Valley fever

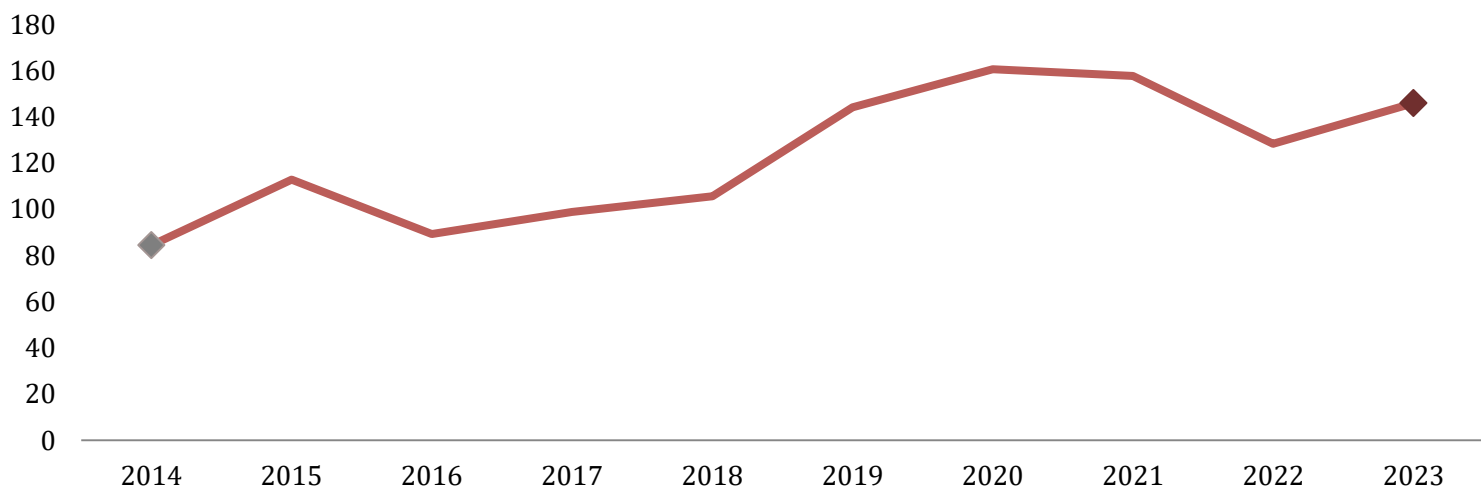
\$58,269 was the median charge per hospitalization with a primary diagnosis of Valley fever

74 deaths attributable to Valley fever

Case Distribution Across the State



In the last decade, the incidence* of reported Valley fever in Arizona has increased from **84.4 per 100,000 population in 2014** to **146.0 per 100,000 population in 2023**.



*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.

Appendix

Table 1. Reported cases and rates of Valley fever, 1990–2023.

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
2021	11,489	157.7
2022	9,515	128.4
2023	10,990	146.0

*Reported cases per 100,000 population

Table 2. Reported cases and rates by county, 2023.

County	Cases	2023 Rates*	2018–2022 Avg. Rates*
Apache	46	68.7	44.9
Cochise	62	48.7	48.6
Coconino	81	53.7	32.9
Gila	57	105.9	103.0
Graham	21	53.0	56.9
Greenlee	7	72.4**	20.5
La Paz	24	142.1	124.5
Maricopa	7,993	171.3	164.1
Mohave	131	58.4	63.9
Navajo	72	65.6	51.1
Pima	1,282	118.7	121.1
Pinal	995	212.9	200.6
Santa Cruz	24	48.0	50.6
Yavapai	137	55.0	43.2
Yuma	58	27.1	23.7
Arizona	10,990	146.0	139.3

*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, 2023.

Age Group* (years)	Cases	Rates*
<5	32	7.4
5-14	206	21.7
15-24	747	74.6
25-34	1,040	99.5
35-44	1,309	141.2
45-54	1,594	182.8
55-64	2,026	223.2
65-74	2,181	273.5
75-84	1,429	324.6
>84	426	276.5

*Reported cases per 100,000 population

Table 4. Reported cases and rates by sex, 2023.

Gender	Cases	Percent of Total	Rates*
Male	5,750	52.32%	153.9
Female	5,237	47.65%	138.2
Unknown	3	0.03%	---**

*Reported cases per 100,000 population

** Rates for unknown gender cannot be calculated due to lack of denominator.

Table 5. Reported cases by race/ethnicity, 2023.

Race/Ethnicity	Cases	Percent of Total	Percent of Cases with known Race / Ethnicity
Asian or Pacific Islander, non-Hispanic	181	1.7%	3.2%
Black or African American, non-Hispanic	338	3.1%	6.1%
Hispanic or Latino	1,382	12.6%	24.8%
Native American or Alaskan Native, non-Hispanic	245	2.2%	4.4%
White, non-Hispanic	3,104	28.2%	55.7%
Other Race	326	3.0%	5.8%
Unknown	5,414	49.2%	--*

* Rates for unknown race/ethnicity cannot be calculated due to lack of denominator.

Table 6. Rates of hospitalizations with a primary diagnosis of Valley fever by county, 2023.

County	Hospitalization Rates*
Apache	9.0**
Cochise	3.9**
Coconino	4.0**
Gila	7.4**
Graham	5.0**
Greenlee	0.0
La Paz	0.0
Maricopa	12.3
Mohave	4.0**
Navajo	7.3**
Pima	8.1
Pinal	19.3
Santa Cruz	6.0**
Yavapai	1.6**
Yuma	2.3**
Arizona	10.7

*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.