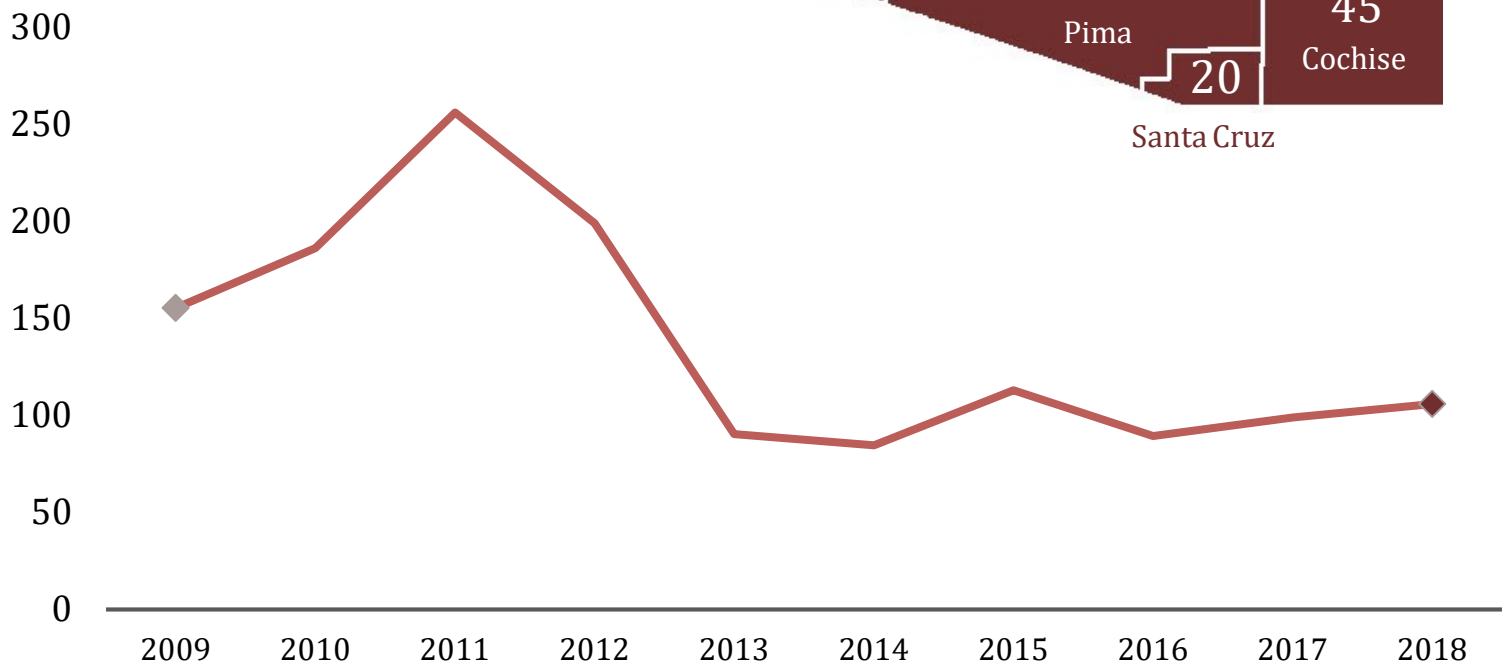
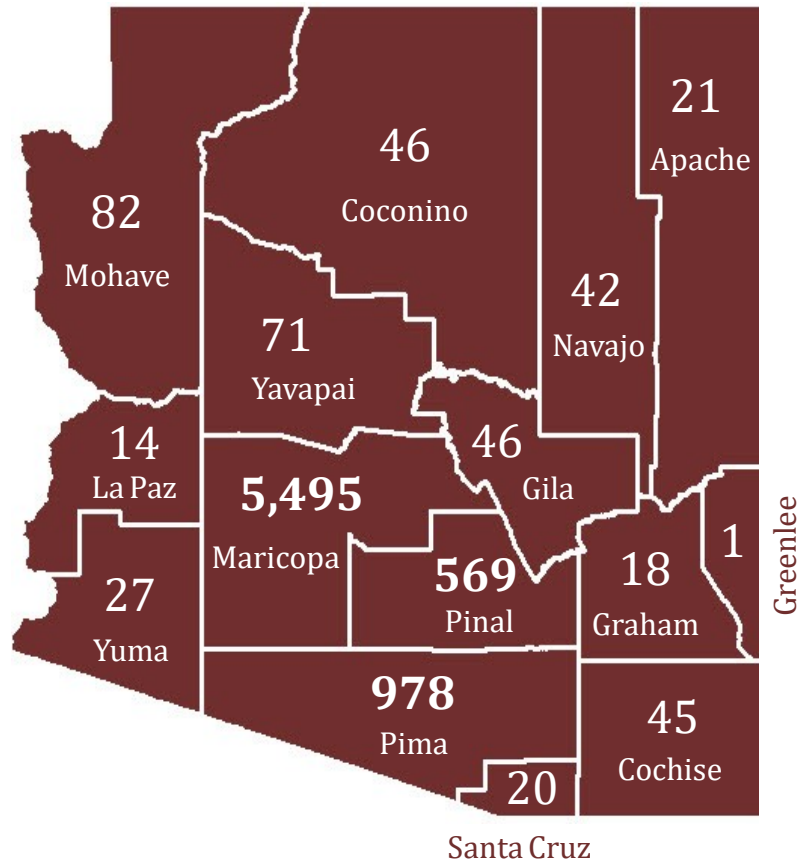


2018 Surveillance Highlights

- 7,478** reported cases of valley fever
- 94%** of cases were reported in 3 counties
- 715** hospitalizations with a primary diagnosis of valley fever
- \$53.3 million** in total hospitalization charges for Arizonans with a primary diagnosis of valley fever
- \$51,433** is the average charge per hospitalization
- 45** deaths attributable to valley fever

In the last decade, the incidence* of reported valley fever in Arizona has decreased from **155.1 per 100,000 population in 2009** to **105.7 per 100,000 population in 2018**.**

Case Distribution Across the State



*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, 1990–2018.

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

*Reported cases per 100,000 population

Table 2. Reported cases and rates by county, 2018.

County	Cases	2018 Rates*	2013–2017 Avg. Rates*
Apache	21	28.6	26.3
Cochise	45	34.5	36.3
Coconino	46	31.6	22.1
Gila	46	83.7	80.2
Graham	18	47.2**	42.9
Greenlee	1	9.5**	28.3
La Paz	14	64.0**	70.5
Maricopa	5,495	128.0	111.3
Mohave	85	39.9	28.1
Navajo	42	37.3	37.9
Pima	978	94.6	99.0
Pinal	569	129.1	124.2
Santa Cruz	20	38.2	29.5
Yavapai	71	31.0	23.9
Yuma	27	12.0	12.6
Arizona	7,478	105.7	94.9

*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, 2018.

Age Group* (years)	Cases	Rates**
<5	34	7.7
5-14	182	19.7
15-24	609	63.4
25-34	827	85.9
35-44	957	110.6
45-54	1127	132.0
55-64	1298	152.1
65-74	1384	195.3
75-84	799	217.3
>84	245	177.5

*Age could not be ascertained for 16 cases (approximately 0.2% of all cases).

**Reported cases per 100,000 population

Table 4. Cases and rates by sex, 2018.

Sex	Cases	Percent of total	Rates*
Female	3,885	52.1%	110.4
Male	3,572	47.9%	100.4
Unknown	21	0.3%	---

*Reported cases per 100,000 population

Table 5. Race or ethnicity of reported cases, 2018.

Race or ethnicity	Cases	Percent of total	Percent of cases with known race or ethnicity
Asian or Pacific Islander	84	1.1%	4.0%
Black	159	2.1%	7.6%
Hispanic or Latino	325	4.3%	15.6%
Native American	157	2.1%	7.5%
White	1317	17.6%	63.0%
Other	48	0.6%	2.3%
Unknown	5388	72.1%	---

Table 6. County rates of hospitalization with a primary diagnosis of valley fever, 2018.

County	Hospitalization Rates*
Apache	8.2**
Cochise	1.5**
Coconino	3.4**
Gila	5.5**
Graham	18.4**
Greenlee	0.0
La Paz	4.6**
Maricopa	12.0
Mohave	3.8**
Navajo	0.9**
Pima	7.6
Pinal	16.8
Santa Cruz	3.8**
Yavapai	3.5**
Yuma	1.3**
Arizona	10.1

*Reported cases per 100,000 population

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