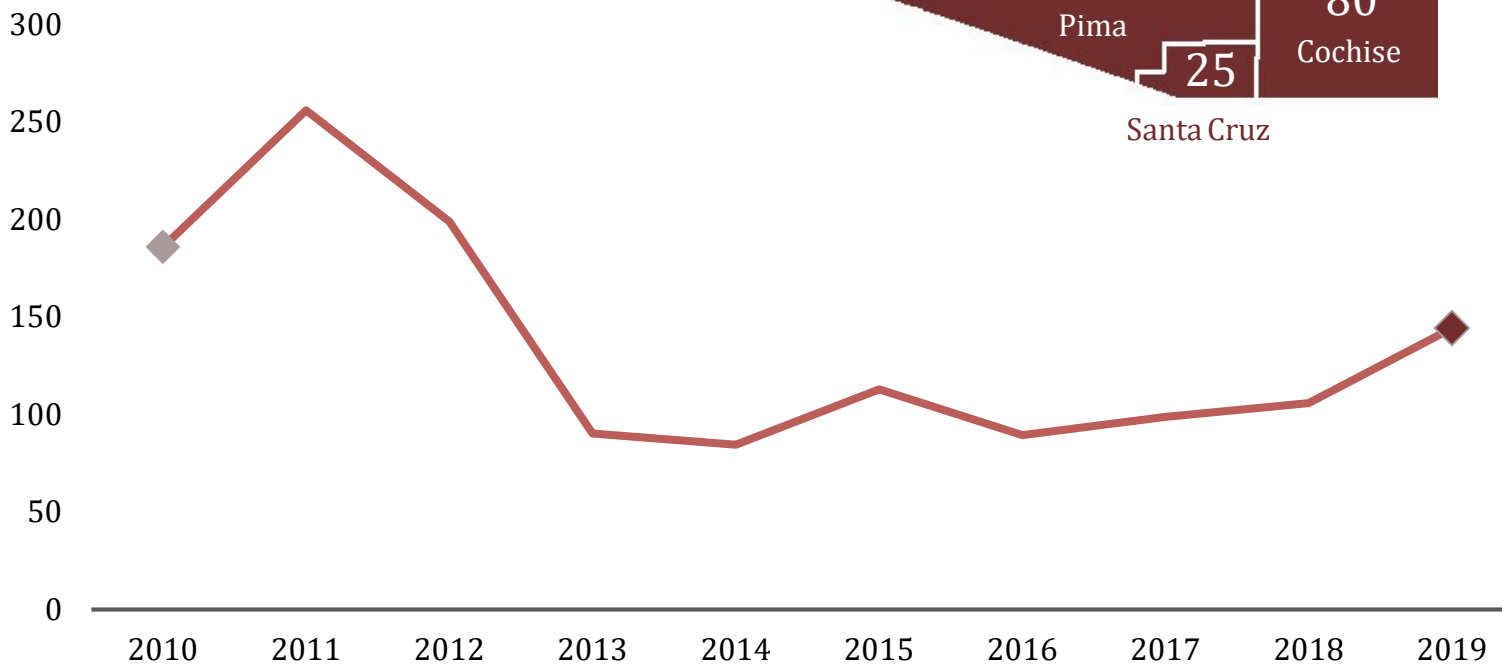
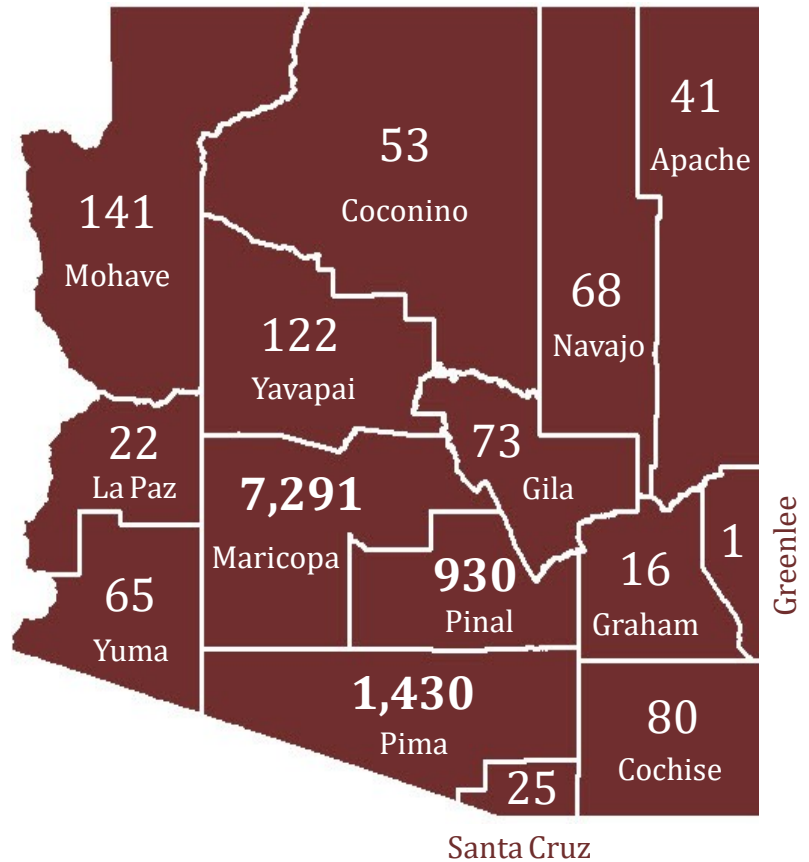


2019 Surveillance Highlights

- 10,358** reported cases of valley fever
- 93%** of cases were reported in 3 counties
- 801** hospitalizations with a primary diagnosis of valley fever
- \$60.6 million** in total hospitalization charges for Arizonans with a primary diagnosis of valley fever
- \$51,460** is the average charge per hospitalization
- 39** deaths attributable to valley fever

In the last decade, the incidence* of reported valley fever in Arizona has decreased from **185.9 per 100,000 population in 2010** to **144.1 per 100,000 population in 2019**.**

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, 1990–2019.

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

*Reported cases per 100,000 population

Table 2. Reported cases and rates by county, 2019.

County	Cases	2019 Rates*	2014–2018 Avg. Rates*
Apache	41	57.1	33.8
Cochise	80	61.2	39.2
Coconino	53	36.0	26.2
Gila	73	132.3	92.1
Graham	16	41.6**	42.2
Greenlee	1	9.6**	28.4
La Paz	22	99.6	78.1
Maricopa	7,291	166.9	123.8
Mohave	141	65.0	35.2
Navajo	68	60.3	43.3
Pima	1,430	136.9	106.4
Pinal	930	204.3	144.6
Santa Cruz	25	47.0	31.2
Yavapai	122	52.5	30.1
Yuma	65	28.3	15.9
Arizona	10,358	144.1	98.2

*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, 2019.

Age Group* (years)	Cases	Rates**
<5	25	5.7
5-14	258	27.7
15-24	700	72.3
25-34	1,061	107.5
35-44	1,275	144.6
45-54	1,473	172.9
55-64	1,875	215.9
65-74	1,978	271.2
75-84	1,307	333.4
>84	399	279.3

*Age could not be ascertained for 7 cases (approximately 0.07% of all cases).

**Reported cases per 100,000 population

Table 4. Reported cases and rates by gender, 2019.

Gender	Cases	Percent of total	Rates*
Female	5,667	54.7%	156.8
Male	4,678	45.2%	130.9
Transgender	1	0.01%	---
Unknown	12	0.1%	---

*Reported cases per 100,000 population

Table 5. Reported cases by race or ethnicity, 2019.

Race or ethnicity	Cases	Percent of total	Percent of cases with known race or ethnicity
Asian or Pacific Islander	74	0.7%	3.1%
Black	165	1.6%	7.0%
Hispanic or Latino	477	4.6%	20.2%
Native American	236	2.3%	10.0%
White	1,307	12.6%	55.3%
Other	104	1.0%	4.4%
Unknown	7,995	77.2%	---

Table 6. Rates of hospitalizations with a primary diagnosis of valley fever by county, 2019.

County	Hospitalization Rates*
Apache	2.8**
Cochise	4.6**
Coconino	4.1**
Gila	10.9**
Graham	7.8**
Greenlee	9.6**
La Paz	4.5**
Maricopa	13.2
Mohave	3.2**
Navajo	4.4**
Pima	8.9
Pinal	18.2
Santa Cruz	1.9**
Yavapai	3.9**
Yuma	1.3**
Arizona	11.1

*Hospitalizations per 100,000 population

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