

Outbreaks of Illness 2016 End of Year Report

Outbreaks occur when there is an increase in the number of disease cases, above what would normally be expected within a specific place or group of people and within a certain period of time. In 2016, 125 outbreaks were investigated by the Maricopa County Department of Public Health (MCDPH). Of those 125 outbreaks, 24 were later ruled out. This report describes trends and provides summary statistics for outbreaks that were reported to and occurred only in Maricopa County. For information regarding multi-jurisdictional and national outbreaks, please visit the Arizona Department of Health Services website: <http://www.azdhs.gov/>. For more information, please contact the Office of Epidemiology at MCDPH (602) 372-2605.

‡ Outbreaks involving single cases of communicable disease without local transmission are not included in this report. Please visit MCDPH's Health Statistics and Reports webpage: <http://www.maricopa.gov/publichealth/Services/EPI/Reports/default.aspx>.

Characteristics of Reported Outbreaks: Maricopa County, 2016

Year Total*	Number of Persons Ill per Outbreak†	Total Persons Affected by Outbreaks†	Hospitalizations†	Deaths†	Demographics	
					Average % Gender†	Age Ranges†
101	2 = Minimum 459 = Maximum 10 = Median	2475	108	4	42% = Female 30% = Male 28% = Unknown	30 (1%) = Less than 1 year 338 (14%) = 1-4 years 375 (15%) = 5-9 years 182 (7%) = 10-19 years 279 (11%) = 20-49 years 97 (4%) = 50-74 years 175 (7%) = >74 years 999 (40%) = Unknown

*24 reported outbreaks were later ruled-out and not included in this summary

†For cases whom information was available

2016 Outbreaks by Etiology

Gastrointestinal	74 (73%)	Rash	6 (6%)
<i>Cryptosporidium</i>	1 (1%)	Scabies	5 (83%)
Norovirus	20 (27%)	Rash- Unknown Type	1 (17%)
<i>Salmonella</i>	1 (1%)		
<i>Shigella</i>	30 (41%)	Respiratory	9 (9%)
Gastrointestinal- Unknown Type	22 (30%)	Influenza	3 (33%)
		Legionella	1 (11%)
Other	3 (3%)	Respiratory- Unknown Type	5 (56%)
Conjunctivitis	1 (33%)		
Hand, Foot, and Mouth Disease	2 (66%)	Vaccine-Preventable	9 (9%)
		Pertussis	6 (66%)
		Varicella	3 (33%)

