



The **Epidemiology Series** is a four-part comprehensive epidemiology program delivered in an instructional format of online coursework. Components of the Epidemiology Series include: Epidemiology for Preparedness, Outbreak Epidemiology, Epidemiology for Arizona Health Departments and Public Health Data Management and Analysis. The modules can be completed in any order, although students may find the order in which they are presented to be the most useful.

The **Epidemiology for Preparedness** online module is designed to describe ways in which epidemiology is utilized in a variety of preparedness activities. The module will introduce participants to the basics of public health epidemiology and will describe ways that preparedness principles and command structures can be applied to everyday activities to help familiarize public health professionals with the incident command structure, and to provide examples of how epidemiologists may function during an emergency.

The **Epidemiology for Arizona Health Departments** describes the role of public health departments in the state of Arizona including agencies representing the state, tribes and counties. The module describes both the concepts and laws related to reporting communicable diseases and how that information is used by public health to protect the community as a whole.

The **Outbreak Epidemiology** covers basic information on infectious disease epidemiology, the reasons why outbreaks are investigated, and the reporting of disease in Arizona. The majority of the module covers the 12 steps to investigating a communicable disease outbreak, which is helpful for both public health professionals who have investigated disease in the past as well as those who may participate in an investigation in the future.

The **Public Health Data Management and Analysis** describes the various methods public health departments use to collect and analyze data from the community. The module reviews sources of data, methods of data collection and analysis as well as possible study designs.



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Mountain West Preparedness and
Emergency Response Learning Center

*The Epidemiology Series can be found on
our training portal at:*

<http://moodle.publichealth.arizona.edu/>