



# Life of a Report

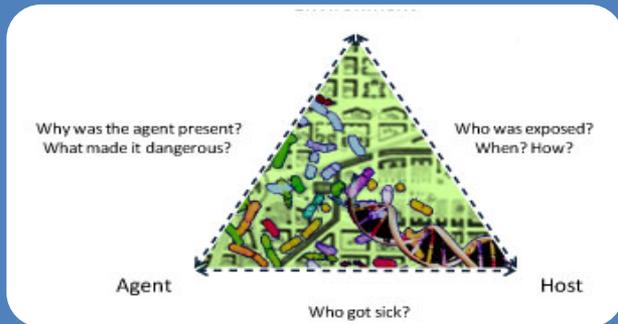
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# Outline

- Why is reporting important for Public Health?
- What are current reporting requirements?
  - Including key information, responsibilities
- What are the current reporting mechanisms?
- What happens to a report after it is sent to Public Health?
- What is the future for reporting to Public Health?
- Resources

# Impacts and Benefits of Reporting Communicable Disease



Increases epidemiological understanding of communicable diseases in Arizona

- Especially important for rare or emerging/exotic disease
- Monitoring trends of communicable disease
- Impacts reporting rules up to a state and federal level

# Impacts and Benefits of Reporting Communicable Disease



Identifies sources of transmission and prevents further transmission

- Identify and contain outbreak situations
- Raises index of suspicion of a possible bioterrorism event, if no natural exposure source is identified

# Impacts and Benefits of Reporting Communicable Disease



Assists in the diagnosis, treatment, and follow-up of cases and contacts

- Identify potentially exposed close contacts, health care workers, and laboratory personnel
- Provide prophylaxis/treatment, education and counseling, as needed

# Current Reporting Requirements

- Arizona Administrative Code (AAC) R9-6-202, 203, 204, and 205
- Facilities shall submit communicable disease report to the local health agency
- Clinical laboratory directors shall submit laboratory reports to the state health department
- Dual Reporting Structure

# Key Information (The Perfect Report!)

## Patient Demographics

- Name
- Address (including County)
- Phone Number(s)
- Date of Birth
- Race/Ethnicity
- Gender
- Pregnancy Status
- Death Information (if applicable)
- Occupation
  - School or Childcare Worker
  - Health Care Worker
  - Food Handler

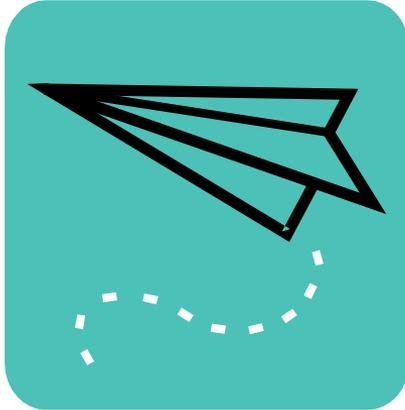
## Disease Information

- Morbidity
- Onset Date
- Diagnosis Date
- Specimen Collection Date
- Specimen Information
- Laboratory Test & Result
- Any additional observations
  - Symptoms
  - Treatment Information
  - Travel History

## Provider & Reporter Information

- Provider Name & Address
- Reporter Name & Address
- Laboratory Director Name (required for lab reporting)

# Current Reporting Mechanisms



## Paper Mechanisms

- Phone
- Fax
- Mail



## Electronic Mechanisms

- Web Entry into the statewide electronic surveillance system (MEDSIS)
- Electronic Laboratory Reporting (ELR)  
(Laboratories Only)

# Arizona Medical Electronic Disease Surveillance Intelligence System (MEDSIS)

- Centralized statewide electronic disease surveillance system
- Used by all 15 Counties and some Tribes in Arizona for surveillance and case management purposes
- Web Entry Tool for provider reporting of all communicable diseases

**MEDSIS** Medical Electronic Disease Surveillance Intelligence System

Home **Cases** Reports and Extracts

### New Case

#### Summary

Prefix: --Select-- \*First: [ ] Middle: [ ] \*Last: [ ] Suffix: --Select--

\*Gender: --Select-- Date of Birth: [ ]  Date of Birth is unknown

#### Contact Information

**Home Address**

Street: [ ] Unit: [ ]

City: [ ] State: AZ ZIP Code: [ ]

County: --Select--

Country: United States Reservation: [ ]

Address Notes: [ ]

**Work Address**

Business Name: [ ]

Street: [ ] Unit: [ ]

City: [ ] State: AZ ZIP Code: [ ]

County: --Select--

Country: United States Reservation: [ ]

# Electronic Laboratory Reporting (ELR)

- Daily transmissions from commercial, clinical, and hospital laboratories
  - Uses HL7 Standard Messaging Format
- Decreases human error & the burden of paper reporting
- Allows for efficient method of disseminating laboratory test and result information to local health departments
- ELR records are processed into MEDSIS by ADHS Data Entry Staff

# Roles & Responsibilities: Providers/Laboratories

- Report cases and/or lab results of communicable disease to local public health in a timely manner
- Provide key information concerning the patient and case
- Monitor cases of reportable conditions within respective facilities

# Roles & Responsibilities: Local Public Health Agencies

- Initiate investigation and control actions in a timely manner
  - Treatment/Prophylaxis, Education, Contact Investigations, etc.
- Partner with providers and other local public health agencies to ensure patient follow-up
- Monitor cases of reportable conditions within respective jurisdiction
- Report/Submit investigated cases to AZ Dept. of Health Services

# Roles & Responsibilities: State Public Health Agency

- Review cases submitted by local public health agencies
- Monitor trends in reportable conditions for the entire state
- De-identify and report nationally notifiable cases to the Centers for Disease Control and Prevention (CDC)
- Provide assistance and technical expertise to local public health and providers, as needed

# What's next for reporting?

- Electronic Case Reporting
  - Uses standard messaging formats (such as HL7) to create messages with diagnosis and symptom information from Electronic Health Records Systems and automatically reports to the electronic surveillance system
  - Similar to Electronic Laboratory Reporting



# What's next for reporting?

- Electronic Form Repositories
  - Creation of a form bank to be used in addition to electronic case reporting in order to collect more specific information that is not normally collected in the EHR (especially for outbreak situations)



# Life of a Report Video

# Reporting Resources

- [Arizona Department of Health Services](#)
- [Office of Infectious Disease Epidemiology](#)
- [Reportable Communicable Diseases](#)
  - [Providers](#)
  - [Laboratories](#)
- [Infectious Disease Reporting and Investigation Forms](#)
- [Tuberculosis Control Program](#)
- [Case Definitions for Public Health Surveillance](#)

# Questions?

For questions, comments, or feedback, please contact the MEDSIS Help Desk:

[medsishelpdesk@siren.az.gov](mailto:medsishelpdesk@siren.az.gov)