

ArboNET Update

- **System overview, 2002**
- **Changes, 2003**
- **Impact of changes on reporting jurisdictions**

System Overview, 2002

- **54 Contributing Jurisdictions**
 - 50 report directly to CDC
 - Four report through state DOH

System Overview, 2002

- **Data reporting**
 - **Human:**
 - Telephone / facsimile to Ft. Collins CDC staff
 - **Non-human: four pathways**
 - Web-based
 - 'ArboNET' software (MS Access-based)
 - Data messaging (local or proprietary systems)
 - Combinations

System Overview, 2002

- **Pathway use: non-human data**
 - **21/50 (42%): web-based**
 - **19/50 (38%): ArboNET**
 - **8/50 (16%): data messaging**
 - **2/50 (4%): > one pathway**

System Overview, 2002

- **Changes needed**
 - **Limited resources**
 - **New transmission modes**
 - **Clinical syndromes**
 - **User feedback**

Changes, 2003

- **All reporting pathways**
 - **Electronic reporting of human data**
 - **Modes of transmission**
 - **Clinical syndromes**

Changes, 2003

- **All reporting pathways**
 - **Multiple-virus reporting**
 - **SLE, EEE, WEE, CA serogroup, WNV, POW**
 - **D/C verification step?**
 - **D/C collection of some denominator data**

Changes, 2003

- **New ArboNET software (late spring)**
 - **Single data entry screen**
 - **D/C local data management component**
 - **Not backwards-compatible with ArboNET 2002 software**

Arbonet Arboviral Surveillance System

HUMAN AVIAN MOSQUITO SENTINEL SEROPREVALENCE VETERINARY ADMINISTRATIVE

UID

Year

State

County

Imported From

Virus

Onset Date

Age in years

Gender

Case Status

Clinical Syndrome

Fatality

Date of Death

Patient is Pregnant Female



Non-Arthropod-Borne Modes Of Transmission

Laboratory-Acquired

Non-Lab Occupationally Acquired

Blood Transfusion w/in 30 days prior to illness onset

Organ Transplant w/in 30 days prior to illness onset

Patient is breastfed infant

Patient is infant possibly infected in utero

Record: of 1



Arbonet Arboviral Surveillance System

HUMAN

AVIAN

MOSQUITO

SENTINEL

SEROPREVALENCE

VETERINARY

ADMINISTRATIVE

UID

Year

State

County

Species

Virus

Case Status



Save Changes

Undo Changes

Delete Record

Add New Record

Record: 1 of 1

Impact of changes on reporting jurisdictions

- **All pathways**
 - **More human data, simpler format**
- **Web-based**
 - **New human data screen**
 - **New multiple-virus feature**
- **ArboNET**
 - **Some 12/48 (25%) jurisdictions will need to develop local data mngt. system**
- **Data messaging**
 - **Modify human data entry screen**
 - **Modify XML export files for human data**

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Questions?

System Overview

- **Data Route #1**

- **Jurisdiction**

- **CDC Atlanta (SQL Server)**

- **CDC Ft. Collins (query SQL)**

- **End users**

- **EPI-X WNVIX**
- **MMWR**
- **CDC WNV Website**
- **NCID/OD reports to media**

System Overview

- **Data Route #2 (Human case reports)**
 - **Jurisdiction**
 - **CDC Ft. Collins (via phone or FAX)**
 - **Atlanta (SQL Server)**
 - **CDC Ft. Collins (query SQL)**
 - **End users**
 - **EPI-X WNVIX**
 - **MMWR**
 - **CDC WNV Website**
 - **NCID/OD reports to media**

System Overview

- **Data Route #3**
 - **Jurisdiction**
 - **Atlanta (SQL Server)**
 - **USGS**
 - **End User**
 - **CINDI Maps**