ArboNET Update

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



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



- 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



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



- 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

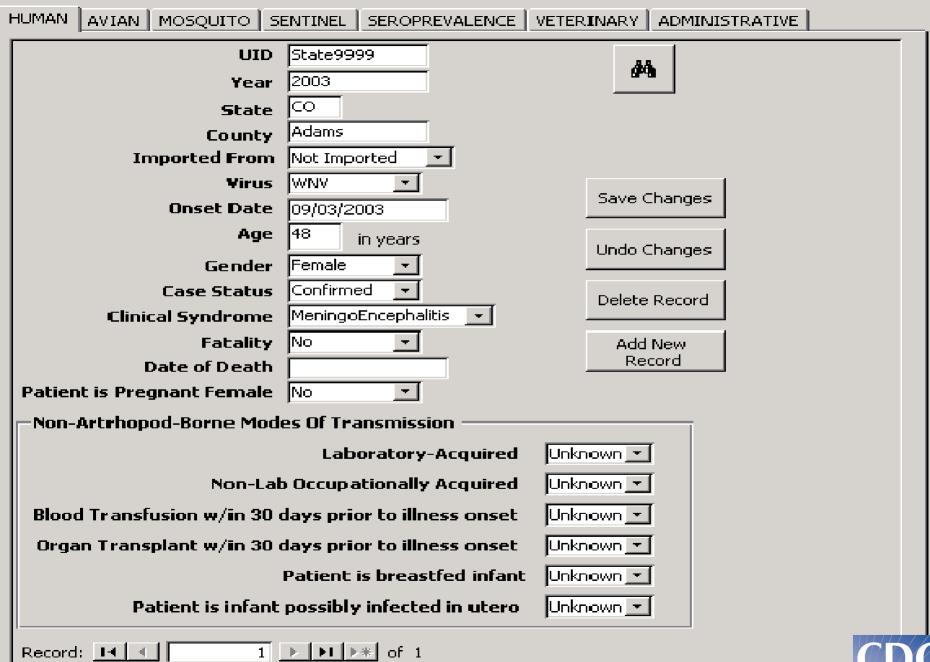


Changes, 2003

- 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



Arbonet Arboviral Surveillance System

HUMAN AVIAN MOSQUITO SENTINEL SEROPREVALENCE VETERINARY ADMINISTRATIVE UID State999 44 **Year** 2003 State CO County Adams Species Acorn Woodpecker Virus WNV Case Status Confirmed Save Changes **Undo Changes** Add New Delete Record Record Record: I◀ ◀ 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 dataCDC

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Lyle Petersen

Duane Gubler





Questions?



- 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



- 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



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

