

Alabama

Quick Statistics

August 2008

Population Size: 4,500,000

NBS

NEDSS Staff Full Time Equivalents (FTEs):

Information Technology Program Area	# FTEs
Application Management/Training/User Support	.5
Information Technology Maintenance	.5
Information Technology Programming	2

Alabama would like to see interoperability between NBS and OMS systems. In the future, Alabama would like to have Lead and STD surveillance modules available within the NBS.

Electronic Disease Surveillance Systems Developed:

Electronic Surveillance System	Type of System	Status	Integration Level
Animal Surveillance	State Developed	Under Development	Not applicable
General Communicable Disease	CDC Developed (NEDSS Base System)	Operational and Implemented	Integrated
HIV Surveillance	CDC Developed (EHARs)	Operational and Implemented	Stand-alone (ELR Integrated)
Lead Surveillance	CDC Developed (Stellar)	Operational and Implemented	Stand-alone (ELR Integrated)
STD Surveillance	CDC Developed (STD-MIS)	Operational and Implemented	Stand-alone
Tuberculosis Case Management	No web based NEDSS system	Not applicable	Not applicable
Tuberculosis Case Reporting	CDC Developed (TB PAM, NBS)	Beta Testing	Integrated
Tuberculosis Latent Infection Tracking	CDC Developed (TB PAM, NBS)	Beta Testing	Not applicable

Information Technology Enhancement Developed:

IT Enhancement	Type of System	Vendor	Status	Integration Level
Automated Electronic Lab Reporting	State Developed	Orion Rhapsody	Operational and Implemented	Integrated
Web-based Manual Online Lab Reporting	CDC Developed (NBS)		Operational and Implemented	Integrated
Geographic Information System (GIS)	State Developed	ADPH Developers	Operational and Implemented	Integrated
Master Patient Index	State Developed	ADPH Developers	Future Development	Not applicable
Outbreak Management System	CDC Developed		Evaluating use of OMS	Stand-alone

Approximate Software and Hardware Costs:

Software	\$0-250K
Hardware	\$0-250K

Colorado

June 2008

Quick Statistics

Population Size: 4,500,000

Non-NBS

NEDSS Staff Full Time Equivalents (FTEs):

Information Technology Program Area	# FTEs
Application Management/Training/User Support	2
Information Technology Maintenance	3
Information Technology Programming	N/A

Colorado has an integrated data repository that stores electronic lab reports and provides data for all surveillance systems.

Electronic Disease Surveillance Systems Developed:

Electronic Surveillance System	Type of System	Status	Integration Level
Animal Surveillance	State Developed	Operational and Implemented	Stand-alone
General Communicable Disease	State Developed	Operational and Implemented	Stand-alone
HIV Surveillance	CDC Developed	Operational and Implemented	Stand-alone
Lead Surveillance	State Developed	Operational and Implemented	Stand-alone
STD Surveillance	CDC Developed	Operational and Implemented	Stand-alone
Tuberculosis Case Management	State Developed	Operational and Implemented	Stand-alone
Tuberculosis Case Reporting	CDC Developed	Operational and Implemented	Stand-alone
Tuberculosis Latent Infection Tracking	State Developed	Operational and Implemented	Stand-alone

Information Technology Enhancement Developed:

IT Enhancement	Type of System	Vendor	Status	Integration Level
Automated Electronic Lab Reporting	State Developed		Operational and Implemented	Integrated
Web-based Manual Online Lab Reporting	State Developed		Operational and Implemented	Stand-alone
Geographic Information System (GIS)	Commercial off the shelf	ESRI	Operational and Implemented	Stand-alone
Master Patient Index				
Outbreak Management System	State Developed		Operational and Implemented	Integrated

Approximate Software and Hardware Costs:

Software	\$0-250K
Hardware	\$0-250K

Florida

June 2008

Quick Statistics

Population Size: 18,000,000

Non-NBS

NEDSS Staff Full Time Equivalents (FTEs):

Information Technology Program Area	# FTEs
Application Management/Training/User Support	2
Information Technology Maintenance	2
Information Technology Programming	2

Merlin is fully integrated with Florida's Epi-X equivalent. To implement both Merlin and PRISM (STD), software licensing costs would be approximately \$30,000 and hardware costs for servers at \$20,000. Only half of the IT personnel resources would be necessary for minimum support. Merlin and PRISM interoperate with ELR. Merlin also interoperates with the animal surveillance and outbreak systems modules.

Electronic Disease Surveillance Systems Developed:

Electronic Surveillance System	Type of System	Vendor	Status	Integration Level
Animal Surveillance	Commercial off the shelf	Garrison Enterprises Inc. - The Digital Health Department	Operational and Implemented	Stand-alone
General Communicable Disease	State Developed		Operational and Implemented	Integrated
HIV Surveillance	CDC Developed		Operational and Implemented	Stand-alone
Lead Surveillance	State Developed		Operational and Implemented	Integrated
STD Surveillance	State Developed		Operational and Implemented	Integrated
Tuberculosis Case Management	State Developed		Operational and Implemented	Stand-alone
Tuberculosis Case Reporting	CDC Developed		Operational and Implemented	Stand-alone
Tuberculosis Latent Infection Tracking				

Information Technology Enhancement Developed:

IT Enhancement	Type of System	Status	Integration Level
Automated Electronic Lab Reporting	State Developed	Operational and Implemented	Integrated
Web-based Manual Online Lab Reporting		Future development	
Geographic Information System (GIS)		Under development, not yet operational	
Master Patient Index		Future development	
Outbreak Management System	State Developed	Operational and Implemented	Integrated

Approximate Software and Hardware Costs:

Software	\$0-250K
Hardware	\$0-250K

Georgia

June 2008

Quick Statistics

Population Size: 9,363,941

Non-NBS

NEDSS Staff Full Time Equivalents (FTEs):

Information Technology Program Area	# FTEs
Application Management/Training/User Support	2
Information Technology Maintenance	2
Information Technology Programming	5

*Georgia's system is fully integrated
and therefore, interoperability is not
required.*

Electronic Disease Surveillance Systems Developed:

Electronic Surveillance System	Type of System	Status	Integration Level
Animal Surveillance		Future development	Integrated
General Communicable Disease	State Developed	Operational and Implemented	Integrated
HIV Surveillance	State Developed	Under development, not yet operational	Integrated
Lead Surveillance	State Developed	Future development	Integrated
STD Surveillance	State Developed	Under development, not yet operational	Integrated
Tuberculosis Case Management	State Developed	Operational and Implemented	Integrated
Tuberculosis Case Reporting	State Developed	Operational and Implemented	Integrated
Tuberculosis Latent Infection Tracking	State Developed	Operational and Implemented	Integrated

Information Technology Enhancement Developed:

IT Enhancement	Type of System	Status	Integration Level
Automated Electronic Lab Reporting	State Developed	Under development, not yet operational	Integrated
Web-based Manual Online Lab Reporting	State Developed	Operational and Implemented	Integrated
Geographic Information System (GIS)	State Developed	Operational and Implemented	Integrated
Master Patient Index	State Developed	Operational and Implemented	Integrated
Outbreak Management System	State Developed	Operational and Implemented	Integrated

Approximate Software and Hardware Costs:

Software	\$0-250K
Hardware	\$0-250K

Hawaii

June 2008

Quick Statistics

Population Size: 1,200,000

Non-NBS

NEDSS Staff Full Time Equivalents (FTEs):

Information Technology Program Area	# FTEs
Application Management/Training/User Support	2
Information Technology Maintenance	2
Information Technology Programming	3

*Hawaii is currently planning
to make their surveillance
systems interoperable*

Electronic Disease Surveillance Systems Developed:

Electronic Surveillance System	Type of System	Status	Integration Level
Animal Surveillance	No web based NEDSS system	Not Applicable	Not Applicable
General Communicable Disease	Commercial Off the Shelf	Operational and Implemented	Integrated
HIV Surveillance	No web based NEDSS System	Not Applicable	Not Applicable
Lead Surveillance	No web based NEDSS System	Not Applicable	Not Applicable
STD Surveillance	No web based NEDSS System	Not Applicable	Not Applicable
Tuberculosis Case Management	No web based NEDSS System	Not Applicable	Not Applicable
Tuberculosis Case Reporting	No web based NEDSS System	Not Applicable	Not Applicable
Tuberculosis Latent Infection Tracking	No web based NEDSS System	Not Applicable	Not Applicable

Information Technology Enhancement Developed:

IT Enhancement	Type of System	Vendor	Status	Integration Level
Automated Electronic Lab Reporting	Commercial Off the Shelf	Eclipsys Corporation	Operational and Implemented	Integrated
Web-based Manual Online Lab Reporting	Commercial Off the Shelf	STARLIMS	Implemented	Integrated
Geographic Information System (GIS)	Commercial Off the Shelf	ESRI	Under development	Integrated
Master Patient Index	No web-based NEDSS system			
Outbreak Management System	Commercial Off the Shelf		Under development	Integrated

Approximate Software and Hardware Costs:

Software	\$250-500K
Hardware	\$0-250K

Massachusetts

June 2008

Quick Statistics

Population Size: 6,000,000

Non-NBS

NEDSS Staff Full Time Equivalents (FTEs):

Information Technology Program Area	# FTEs
Application Management/Training/User Support	1
Information Technology Maintenance	1
Information Technology Programming	2

Configuration of all MA software is in the public domain. Massachusetts' Surveillance and Case Management system (MAVEN) is interoperable with its Electronic Lab Reporting system.

Electronic Disease Surveillance Systems Developed:

Electronic Surveillance System	Type of System	Vendor	Status	Integration Level
Animal Surveillance			Future development	
General Communicable Disease	Commercial off the shelf	Consilience Software (MAVEN)	Operational and Implemented	Integrated
HIV Surveillance	State Developed	MS Access	Operational and Implemented	Stand-alone
Lead Surveillance				
STD Surveillance	CDC Developed		Operational and Implemented	Stand-alone
Tuberculosis Case Management	Commercial off the shelf	Consilience Software (MAVEN)	Operational and Implemented	Integrated
Tuberculosis Case Reporting	Commercial off the shelf	Consilience Software (MAVEN)	Operational and Implemented	Integrated
Tuberculosis Latent Infection Tracking	Commercial off the shelf	Consilience Software (MAVEN)	Operational and Implemented	Integrated

Information Technology Enhancement Developed:

IT Enhancement	Type of System	Vendor	Status	Integration Level
Automated Electronic Lab Reporting	Commercial off the shelf	MDPH and DiagnosisOne	Operational and Implemented	Integrated
Web-based Manual Online Lab Reporting				
Geographic Information System (GIS)	State Developed	MDPH	Operational and implemented	Integrated
Master Patient Index				
Outbreak Management System	Commercial off the shelf	Consilience Software (MAVEN)	Under development, not yet operational	Integrated

Approximate Software and Hardware Costs:

Software	\$250-500K
Hardware	\$0-250K

Ohio

June 2008

Quick Statistics

Population Size: 11, 00,000

Non-NBS

NEDSS Staff Full Time Equivalents (FTEs):

Information Technology Program Area	# FTEs
Application Management/Training/User Support	3
Information Technology Maintenance	3
Information Technology Programming	N/A

Ohio's current effort is to make the systems interoperable. Current efforts are focused on integrating STD and TB surveillance modules with state-developed general communicable disease software by December 2008. Software needed includes SQL Server 2005 (Reporting Services and SSIS), BizTalk 2004 w/ItemField, Windows, MSMQ and, .NET

Electronic Disease Surveillance Systems Developed:

Electronic Surveillance System	Type of System	Status	Integration Level
Animal Surveillance	State Developed	Operational and implemented, rabies only.	Integrated
General Communicable Disease	State Developed	Operational and Implemented	Integrated
HIV Surveillance	CDC Developed	Operational and Implemented	Stand-alone
Lead Surveillance	CDC Developed	Operational and Implemented	Stand-alone
STD Surveillance	CDC Developed	Operational and Implemented	Stand-alone
Tuberculosis Case Management	CDC Developed	Operational and Implemented	Stand-alone
Tuberculosis Case Reporting	CDC Developed	Operational and Implemented	Stand-alone
Tuberculosis Latent Infection Tracking			

Information Technology Enhancement Developed:

IT Enhancement	Type of System	Vendor	Status	Integration Level
Automated Electronic Lab Reporting	State Developed	OH Dept of Health IT	Operational and Implemented	Integrated
Web-based Manual Online Lab Reporting	State Developed	OH Dept of Health IT	Operational and Implemented	Integrated
Geographic Information System (GIS)				
Master Patient Index				
Outbreak Management System				

Approximate Software and Hardware Costs:

Software	Need to check with IT
Hardware	Need to check with IT

Pennsylvania

June 2008

Quick Statistics

Population Size: 12,300,000

Non-NBS

NEDSS Staff Full Time Equivalents (FTEs):

Information Technology Program Area	# FTEs
State Application Management/Training/User Support	2
State Information Technology Maintenance	4
State Information Technology Programming	2
Vendor Staff	24

PA-NEDSS is able to accept messages from the state public health lab database via ELR.

Pennsylvania owns the code and will share it with other health departments after signing an Intergovernmental agreement.

Most field/local PH users are satisfied with system overall.

Electronic Disease Surveillance Systems Developed:

Electronic Surveillance System	Type of System	Status	Integration Level
General Communicable Disease	State Developed	Operational and Implemented	Integrated
HIV Surveillance	State Developed	Operational and Implemented	Integrated
Adult/Childhood Lead Surveillance	State Developed	Operational and Implemented	Integrated
STD Surveillance	State Developed	Operational and Implemented	Integrated
Tuberculosis Case Management	State Developed	Operational and Implemented	Integrated
Tuberculosis Case Reporting	State Developed	Operational and Implemented	Integrated

Information Technology Enhancement Developed:

IT Enhancement	Type of System	Status	Integration Level
Automated Electronic Lab Reporting	State Developed	Operational and Implemented	Integrated
Web-based Manual Online Reporting	State Developed	Operational and Implemented	Integrated
Geographic Information System (GIS)	State Developed	Operational and Implemented	Integrated
Outbreak Summary Information	State Developed	Operational and Implemented	Integrated
Patient De-duplication Module	State Developed	Operational and Implemented	Integrated