Texas Department of State Health Services HSR 2/3

2015 NBS YEAR END WRAP UP

A quick look at updates, changes, tips, and helpful information on NEDSS shared throughout 2015 & a preview of what's to come in 2016

Notable 2015 Updates

The following are notable data entry options that were updated in 2015.

Condition/code changes in NBS. Of note – Chikungunya was split into neru and non-neuro invasive disease; dengue hemorrhagic fever became part of dengue, severe and a dengue-like illness was added; viral hemorrhagic fever was split into separate conditions by agent.

Program Area Name	Condition	2014 NBS Name	2015 NBS Name	Action
Zoo	Chikungunya neuroinvasive disease	NA	Chikungunya neuroinvasive disease	Recode Chikungunya first, then add condition
Zoo	Chikungunya non-neuroinvasive disease	Chikungunya	Chikungunya non-neuroinvasive disease	Change name and code of existing cases
Zoo	Dengue	Dengue fever	Dengue	Name Change
Zoo	Dengue hemorrhagic fever and Dengue shock	Dengue hemorrhagic fever	Dengue, severe	Change name and code of existing cases
Zoo	Dengue-like illness	NA	Dengue-like illness	Add Condition
Zoo	Hantavirus	Hantavirus infection	Hantavirus infection (non-HPS)	Name Change
Zoo	Hantavirus with pulmonary syndrome	Hantavirus pulmonary syndrome	Hantavirus pulmonary syndrome (HPS)	Name Change
IDEAS	Viral Hemorrhagic Fevers (including Ebola)	Viral Hemorrhagic Fever	NA/discontinued	N/A
IDEAS	Ebola hemorrhagic fever	NA	Ebola hemorrhagic fever	Add Condition
IDEAS	Marburg fever	NA	Marburg fever	Add Condition
IDEAS	Crimean-congo hemorrhagic fever	NA	Crimean-congo hemorrhagic fever	Add Condition
IDEAS	Lassa fever	NA	Lassa fever	Add Condition
IDEAS	Junin (Argentine) hemorrhagic fever	NA	Junin hemorrhagic fever	Add Condition
IDEAS	Machupo (Bolivian) hemorrhagic fever	NA	Machupo hemorrhagic fever	Add Condition
IDEAS	Sabia-associated (Braziliam) hemorrhagic fever	NA	Sabia-associated hemorrhagic fever	Add Condition
IDEAS	Lujo Virus	NA	Lujo Virus	Add Condition
IDEAS	Guanarito hemorrhagic fever	NA	Guanarito hemorrhagic fever	Add Condition
AR/ MDRO	Methicillin-resistant, coagulase positive Staphylococcus aureus (MRSA)	S. aureus, coag+, meth- or oxi- resistant (MRSA)	Methicillin-resistant Staphylococcus aureus (MRSA)	Name Change
AR/ MDRO	MDRO	Multi-Drug Resistance Organism (MDRO)	Multidrug-resistant organisms (MDRO)	Name Change

2016 CONDITION CHANGES

Please note the following changes and additions for 2016. These changes reflect changes made to the Texas Administrative Code (TAC) that have not yet been published in the register but are in progress.

The following are lists of changes in names and condition codes for 2016.

2016 NEW CONDITIONS

Note	Program Area	Current Name In NBS	Condition Code
Not in NEDSS yet. Investigation form and entry template are in progress.	IDEAS - Infectious Disease	Acute flaccid myelitis	11120
Human helminths added as part of neglected tropical disease surveillance. Starting with a generic data entry template. Investigation forms in progress.	IDEAS - Infectious Disease	Ascariasis	80770
	Zoonosis	Echinococcosis	80670
	IDEAS - Foodborne	Fascioliasis	80663
	IDEAS - Infectious Disease	Hookworm (ancylostomiasis)	80760
	IDEAS - Foodborne	Paragonimiasis	80664
	IDEAS - Infectious Disease	Trichuriasis	80790
Arbovirus – entered as separate section in *2016 Epi Case Criteria Guide*	Zoonosis	Zika virus	80928
Arbovirus not previously activated	Zoonosis	Encephalitis, Jamestown Canyon (neuroinvasive disease)	10078
Arbovirus not previously activated	Zoonosis	Jamestown Canyon (non-neuroinvasive disease)	10079
Arbovirus not previously activated - Cases previously entered under California	Zoonosis	Encephalitis, La Crosse virus	10081
Arbovirus not previously activated - Cases previously entered under California	*Zoonosis*	La Crosse virus (non-neuroinvasive disease)	10082
Added condition	Zoonosis	Rickettsia, unspecified	65466

2016 CHANGES IN SCOPE

Current Name In NBS	Condition Code	Change	Note
Creutzfeldt-Jakob disease	80060	Expanded to include all human prion disease	All reported prion previously entered under CJD but reportable condition formally changed in TAC.
Haemophilus influenzae, invasive disease	10590	All Hib – not just type b	Isolates now required for children under 5 yr.
Carbapenem-resistant *Enterobacteriaceae* (CRE)	77924	Previously included under Multi-Drug Resistance Organism (MDRO) 2318-4	New conditions are not active in NBS yet. When the split is made, New shorter investigation forms and NBS data entry templates are coming soon.
Multidrug-resistant *Acinetobacter* (MDR-A)	40684		

RESOLVING DUPLICATES

Conducting an initial patient search before entering ELRs can help eliminate duplicate patient IDs in NEDSS. Utilizing the "sounds like" operator option under the long patient search (via "Data Entry") may help to find duplicates.

If a duplicate report is suspected and the patient IDs are available to you, enter multiple patient IDs at one time by separating each ID with commas, semicolons, or spaces. If/when duplicate patient IDs are found in NEDSS, a merge request should be sent to nedss@dshs.state.tx.us , referencing both (or all) patient IDs that need to be merged. When this merge occurs:

- The NEDSS office will inform the requestor of the merged patient ID.
- All patient demographics and events (investigations, labs, etc.) will be merged (combined) into the given patient ID.

Please note: New labs that have been created, entered, or updated that are NOT associated with investigations already in existence will NOT automatically associate themselves with the corresponding investigation. These must be manually associated.

NEDSS QA CHECKLISTS

The following is not an all inclusive list of potential QA issues that can be found in NEDSS, but rather a base list of standard QA issues that should be regularly checked in NEDSS.

NBS QUEUE REVIEW CHECKLIST

1) Is the queue regularly (preferably daily) being checked for new and immediately reportable conditions?
2) Are the ELRs in the queue for your jurisdiction?
3) If an ELR was mistakenly marked as reviewed, was the ELR transferred in NEDSS and was the correct jurisdiction notified?

DEMOGRAPHICS TAB CHECKLIST

1) Does each patient record have a date of birth (Birth Time) or age (Age Reported)?
2) Does each patient record have an accurate current sex assigned (Current Sex Code = "Female", "Male", or "Unknown" - preferably "Female" or "Male")?
3) Does case with ("Did the patient die from illness?" (Died from illness) = "Yes" also have "Is the patient deceased" (Deceased Indicator Code) = "Yes" and a date of death (Deceased Time) entered on the patient tab of the investigation? Also, do records with "Is the patient deceased?" (Deceased Indicator Code) = "Y" have "Yes", "No", or "Unknown" for "Did the patient die from this illness?" (Die from illness)?
4) Does each patient record have a race (Concatenated Race Description) and ethnicity (Ethnic Group)?
    a. Missing values are listed as "Unknown"?
1) Does each patient record have a County and it is consistent with address and jurisdiction?
    a. If none of the above are known, provider's city, county, and zip code were entered with "unknown" typed in the address field? All are accurate?

CASE INVESTIGATION TAB CHECKLIST

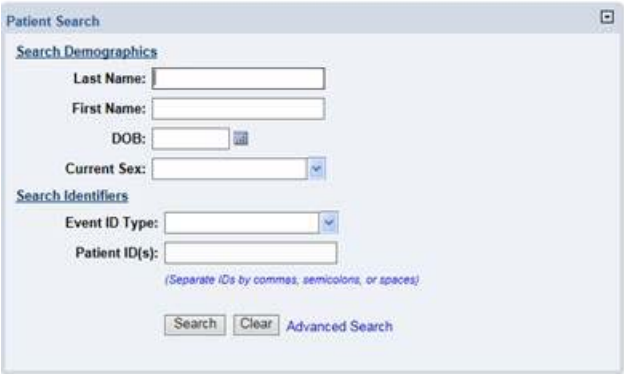
1) Do all of your assigned cases have a final case status of confirmed, probable, suspect, or not a case?
2) Do all of your assigned cases with a final case status of confirmed, probable, or suspect have notification sent?
3) Do all of your assigned cases have all required dates?
    a. Investigation Start Date and Investigation Assigned Date are entered and accurate.
    b. Date Reported to County (and where applicable) to State is entered and accurate.
    c. Onset or Diagnosis Date in entered (at least one is required). Date lab was final can be used as diagnosis date.
    d. The "Earliest Date Suspected" is not before "Onset Date".

COMING SOON

A New Version of NBS (v4.6.0.1) is supposed to come online in 2016. It's currently in the works.

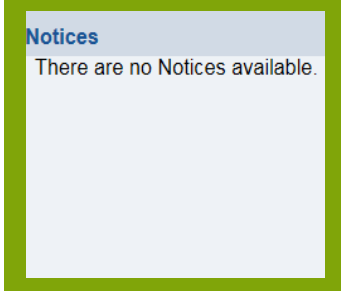
The hepatitis investigation pages will be updated after the new version is installed. General changes NBS users will see include the following :

Changes in order of Patient Search criteria on the home page. "Search Identifiers" with "Event ID Type" (which will include: case ID, lab ID, etc.) will be added to the main quick search box on the home page.



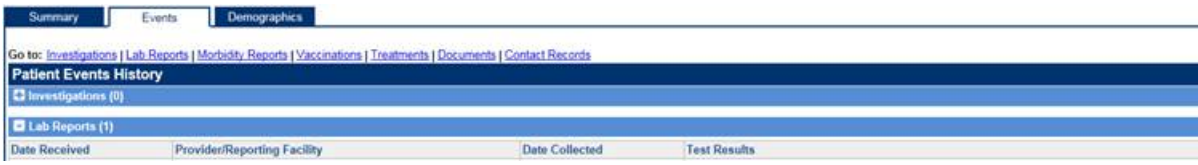
NBS NOTICES

Users will be notified of changes to the system as they're made. Always be on the lookout for notices and information about the NEDSS system in the "Notices" section in the upper right hand corner of the NBS Home Page.



Addition of Program Area to Lab Report Events tab view.

location example only—changes not shown



Addition of Co-infection ID to Investigation Events tab view.

location example only—changes not shown

Commonly Used NEDSS Acronyms & Terms

NBS– NEDSS Base System—synonymous with NEDSS. Used interchangeably.

DEGs– Data Entry Guidelines. These are guidelines used for entering labs and investigations within NEDSS. They provide specific details on required and preferred data sets. Can be found here

PHC Add Time– "Public Health Case. This represents the date the case was added to NBS. *Note: This field is found outside of typical alphabetical order- look for it under "Person Name"- NOT under "PHC Code Status".*

PHEP— Acronym for: Public Health Emergency Preparedness. Within the NEDSS realm, this term specifically refers to the 6 PHEP notifiable conditions that have turnaround time (TAT) measures and other requirements that must be met. For more information on these measures, QA reports, and required forms please visit Region 2/3's Epidemiology Program website and PHEP page found here

2016 GUIDELINES

Updated Guidelines and Notifiable Conditions

The 2016 Texas Notifiable Conditions List were revised, updated, and can be accessed on the NEDSS website at: http://www.dshs.state.tx.us/idcu/investigation/conditions/.

Updated Texas Epi Case Criteria Guidelines

The 2016 Texas Epi Case Criteria Guidelines are available here

Updated Data Entry Guidelines

The NEDSS Data Entry Guidelines (DEGs) are living documents and are updated as needed. Both the Central Office NEDSS Team and/or your NEDSS coordinator will notify you of any updates that are made to conditions. They can always be accessed here

Need Assistance with an Investigation?

Can't find a copy of the quick guides, epi case criteria, or just have case specific questions? Contact the DSHS Central Office SME (Subject Matter Expert). A list of each notifiable condition & who can help can be found here (Select "Disease Call List")

**Please note this contact list may change or be updated in 2016.*

Having Difficulty within NEDSS?

When experiencing technical difficulties with NEDSS, be sure to check the Frequently Asked Questions document titled FAQ online before contacting the NBS office.

HSR 2/3 NEDSS Coordinator:

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For more information visit: http://www.dshs.state.tx.us/nedss/default.shtm

To access NEDSS visit: https://txnedss.dshs.state.tx.us:8009/login/login.asp

NEDSS is an acronym for the **N**ational **E**lectronic **D**isease **S**urveillance **S**ystem. It helps promote data and information system standards for disease surveillance. It is used to collect and monitor data for disease trends and/or outbreaks in real-time. NEDSS was developed by the CDC for the reporting of diseases. It is used by state and local health departments to record, track, and notify the CDC of disease reports and investigations.