

Monkeypox Lab Entry Guide



Division of Communicable and Environmental Diseases and Emergency Preparedness

NEDSS Base System (NBS)

<http://hssi.tn.gov/auth/login>

Version 2

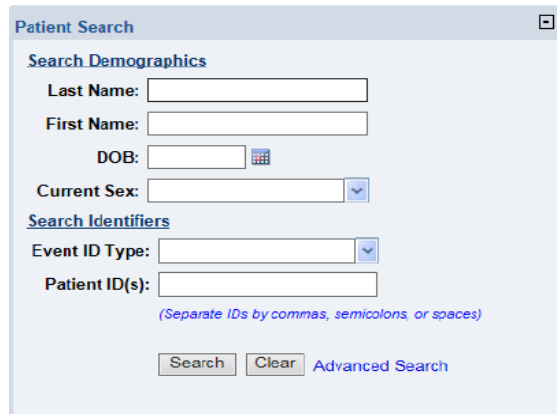
September 2022

Introduction:

The purpose of this guide is to provide TDH staff members who currently use NBS with instructions on how to enter Monkeypox labs. Please direct questions you may have to Caleb Wiedeman (Caleb.Wiedeman@tn.gov) or Tim Boyland (tim.boyland@tn.gov). Staff members who need access to NBS should contact the Surveillance Systems and Informatics Program at CEDS.Informatics@tn.gov.

Searching for a patient (Before entering NBS):

- 1.) Before entering any information into NBS, you should search for the patient of interest to be sure the information has not been entered already.
 - a.) Search Demographics: Name, date of birth, current sex.
 - i. If there is no DOB, Do Not Enter & Forward lab to Unit Chief.
 - b.) Search Identifiers:
 - i. Event IDs: Accession number, Lab ID (OBS#####TN01), Investigation ID, (CAS#####TN01).
 - ii. Patient IDs: 7-8 digit number, also found in reports as (PSN#####TN01).




Patient Search

Search Demographics

Last Name:

First Name:

DOB: 

Current Sex:

Search Identifiers

Event ID Type:

Patient ID(s):

(Separate IDs by commas, semicolons, or spaces)

- 2.) If the patient is not in NBS, create a new patient.
 - a.) Include:
 - i. Name
 - ii. DOB
 - iii. Address
 - iv. Phone number
- 3.) Enter **Reporting Facility** (required), **Ordering Facility** and **Ordering Provider**.
 - a.) It is important to include phone number or address of the ordering facility or provider in case staff at the local level need to obtain contact or other information on the patient.
- 4.) **Program Area** will always be “General Communicable Diseases.”
- 5.) Ensure the correct **Jurisdiction** is populated (Region/Metro where patient lives).
 - a.) If new demographics are updated for a patient who was previously entered into NBS, the Jurisdiction may need to be changed from what was previously entered.
- 6.) Enter **Lab Report Date** (listed on report) and **Date Received by Public Health** (BMG red stamped date).

Order Details

★ * Program Area:

★ * Jurisdiction:

Shared Indicator:

★ Lab Report Date:

★ * Date Received by Public Health: 04/03/2020

Pregnancy Status:

Weeks:

★ Indicates all fields that should be filled out if information is available

7.) **Ordered Test** must be entered:

- a.) Click **Search**
- b.) Select **Long list**
- c.)

| Test | Test Performed LOINC Long Name | LOINC Code |
|----------------------------------|---|------------|
| Orthopoxvirus DNA | Orthopoxvirus DNA [Presence] in Specimen by NAA with probe detection | 41853-3 |
| Non-variola Orthopoxvirus DNA | Orthopoxvirus non-variola DNA [Presence] in Specimen by NAA with probe detection | 100434-0 |
| Monkeypox Virus DNA | Monkeypox virus DNA [Presence] in Specimen by NAA with probe detection | 100383-9 |
| West African Monkeypox Virus DNA | West African monkeypox virus DNA [Presence] in Specimen by NAA with probe detection | 100888-7 |
| Congo Basin Monkeypox Virus DNA | Congo Basin monkeypox virus DNA [Presence] in Specimen by NAA with probe detection | 100889-5 |
| Orthopoxvirus Ab IgG | Orthopoxvirus IgG Ab [Presence] in Serum or Plasma by Immunoassay | 100891-1 |
| Orthopoxvirus Ab IgM | Orthopoxvirus IgM Ab [Presence] in Serum or Plasma by Immunoassay | 100892-9 |

d.) Click **Submit**

e.) **Select**

Search For Ordered Test

★ Submit Cancel

★ Test Name:

Search: Short list, includes local tests

★ Long list, includes standard (LOINC) tests

Test Results
Collapse Subsections
Ordered Test

★ Ordered Test: Search Clear

Accession Number:

Specimen Source:

Specimen Site:

Specimen Collection Date/Time:

Patient Status at Specimen Collection:

8.) Enter **Accession Number** if available (NOTE: this is the ID associated with the test)

- a.) This also may be known as
 - i. Test ID
 - ii. Specimen ID

9.) Enter **Specimen Source & Specimen Site**

- a.) **Specimen source**, click the corrected source from the drop screen.
- b.) **Specimen Site**, click the correct site from the drop screen.
- c.) If an option type is not available - type details in '**Result Comment**'. (See next diagram.)

10.) Enter **Specimen Collection Date**

11.) Enter **Resulted Test** like how you entered **Ordered Test**

- a.) Click **Search**
- b.) Select **Long list**
- c.)

| Test | Test Performed LOINC Long Name | LOINC Code |
|----------------------------------|---|------------|
| Orthopoxvirus DNA | Orthopoxvirus DNA [Presence] in Specimen by NAA with probe detection | 41853-3 |
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- e.) Click **Submit**
- f.) **Select**

12.) Enter **Coded Result** (enter what is on the lab report)

- a.) Results
 - i. Positive
 - ii. Detected

13.) Enter “Final” in **Status**

14.) Click **Add Test**

The screenshot shows a web-based interface for entering test results. It is divided into two main sections: 'Ordered Test' and 'Resulted Test'.
 In the 'Ordered Test' section, there are several dropdown menus and search fields: 'Ordered Test', 'Accession Number', 'Specimen Source', 'Specimen Site', 'Specimen Collection Date/Time', and 'Patient Status at Specimen Collection'.
 The 'Resulted Test' section features a table with the following columns: 'Resulted Test', 'Coded Result / Organism Name', 'Numeric Result', 'Units', 'Text Result', 'Ref Range From', 'Ref Range To', 'Status', and 'Result Comments'. Below the table, there are input fields for 'Resulted Test', 'Coded Result', 'Numeric Result', 'Units', 'Text Result', 'Reference Range From', 'Reference Range To', 'Status', and 'Result Comments'.
 An orange callout box with a star icon contains the text: 'If specimen source or site is not available in drop screen above.'

15.) Click **Submit**– **DO NOT** select the Submit and Create Investigation option

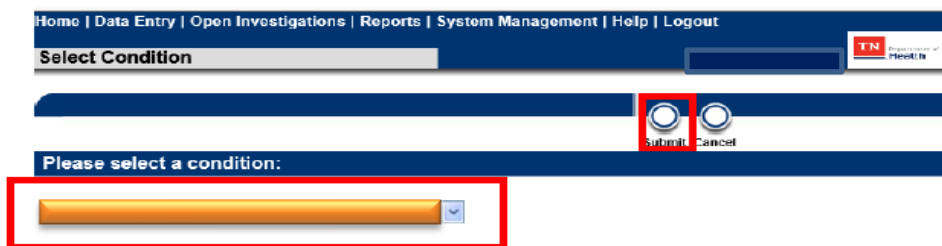


- a.) After submitting the lab, go back into the lab report that was just entered.
- b.) Select **Create Investigation**

Entering Monkeypox Investigation:

1.) Select “Monkeypox” from condition drop-down list

a.) Click **Submit**



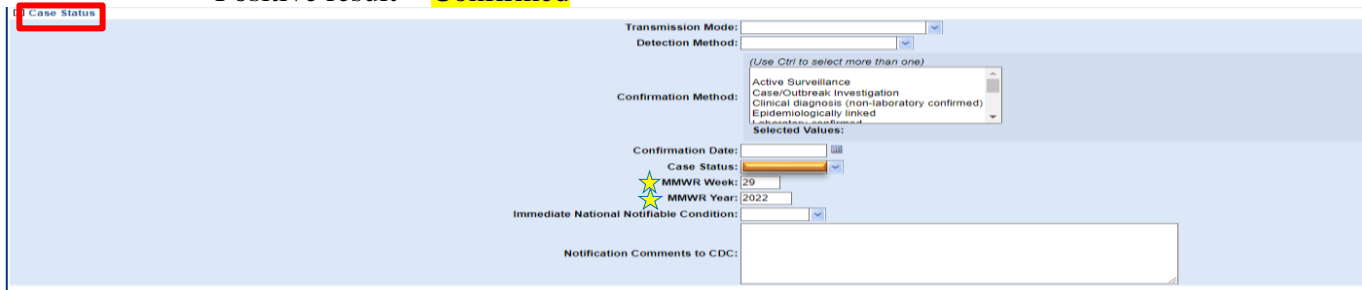
2.) Ensure that the Monkeypox Investigation Status stays **OPEN**.

3.) Under **Case Info** tab

a.) Case status

* Detected result = **Probable**

* Positive result = **Confirmed**



4.) Click **Submit**

5.) Entering MMWR week instructions:

a.) To access MMWR Week Web Document: Right click on link below, then choose “open Hyperlink”:

[Weeks ending log 2021-2022 \[MMWR weeks\] \(cdc.gov\)](https://www.cdc.gov/mmwr/weeklylog/weeksendinglog2021-2022.html)

b.) Webpage will open in browser using above link for MMWR years 2021 & 2022.

c.) Locate “Series: MMR weeks” to left of page, click on link to access year(s) other than 2021/2022.

d.) Locate appropriate week number by date in template.

Note: MMWR week number is always for weeks ending on SATURDAY (not Sunday)

Important: Must *always* use date received by DOH (*red stamp*)

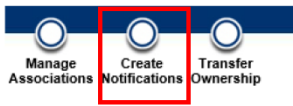
Example: Date received is May 18, 2022, which falls into the 20th week of 2022.
The correct MMWR week is “20”.

| | |
|----|-------|
| 17 | 16 |
| 16 | 23 |
| 17 | 30 |
| 18 | May 7 |
| 19 | 14 |
| 20 | 21 |
| 21 | 28 |
| 22 | Jun 4 |
| 23 | 11 |
| 24 | 18 |
| 25 | 25 |

e.) Ensure NBS has the correct MMWR week, in this example correct week is “20”

Epidemiologically linked
Laboratory confirmed
Selected Values:
Confirmation Date:
Case Status: Probable
MMWR Week: 20
MMWR Year: 2022

6.) After you click **Submit**, click on **Create Notifications** (upper left-hand corner)



*******Central Office Only*******

**** After entering MPX Labs, drop the them into “MPX” folder/ “1- Entered Labs” folder.****

Folder location: H:\COVID19 Data Entry\1- Entered Labs\MPX

Please note: MPX Investigations go in a separate folder: “MPX Data Entry” in the “Monkeypox_2022” folder.

Folder location: H:\CEDS\Monkeypox_2022\MPX Data Entry

Notes

1.) Labs from CDC

The lab has the same specimen number [(SPHL) submitter specimen ID]

- NBS has result detected and CDC Lab positive result – do not upload/place Lab into entered folder
- NBS has positive result and CDC Lab detected result – do not upload/place Lab into entered folder
- NBS has detected or positive result and CDC Lab result inconclusive/rejected/not tested – do not upload/place Lab in entered folder
- NBS has detected result and CDC Lab negative result – change case status in NBS to “not a case” and upload PDF Lab into NBS (see below) -place lab in entered folder
- NBS has negative result and CDC lab positive result – enter Lab and upload PDF into NBS (see below) – place lab into entered folder

Go to: [Associations](#) | [Notes and Attachments](#) | [History](#)

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Associations

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Associated Lab Reports

| Date Received | Reporting Facility/Provider | Date Collected | Test Results | Program Area | Event ID |
|-----------------------|--|----------------|---|------------------------------|------------------|
| 09/07/2022 7:45 AM | Reporting Facility: Aegis Sciences Corporation Ordering Provider: LISA GRAHAM | 09/06/2022 | Non-variola Orthopoxvirus DNA: Positive Reference Range: (NEGATIVE) - (Final) | General Communicable Disease | OBS103020012TN01 |

Associated Morbidity Reports

| Date Received | Condition | Report Date | Type | Observation ID |
|---------------------------|-----------|-------------|------|----------------|
| Nothing found to display. | | | | |

Associated Treatments

| Date | Treatment | Treatment ID |
|---------------------------|-----------|--------------|
| Nothing found to display. | | |

Associated Vaccinations

| Date Administered | Vaccine Administered | Vaccination ID |
|---------------------------|----------------------|----------------|
| Nothing found to display. | | |

Associated Documents

| Date Received | Type | Purpose | Description | Document ID |
|---------------------------|------|---------|-------------|-------------|
| Nothing found to display. | | | | |

Notes And Attachments

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Notes

| Date Added | Added By | Note | Private |
|---------------------------|----------|------|---------|
| Nothing found to display. | | | |

[Add Notes](#)

Attachments

| Date Added | Added By | File Name | Description |
|---------------------------|----------|-----------|-------------|
| Nothing found to display. | | | |

[Add Attachment](#)