
CTM Documentation

Release 1.4

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ClinicalTermMap®

*A centralized database that standardizes the
Medication, Laboratory and Diagnostic data
from multiple, diverse EHR systems across hospitals.*

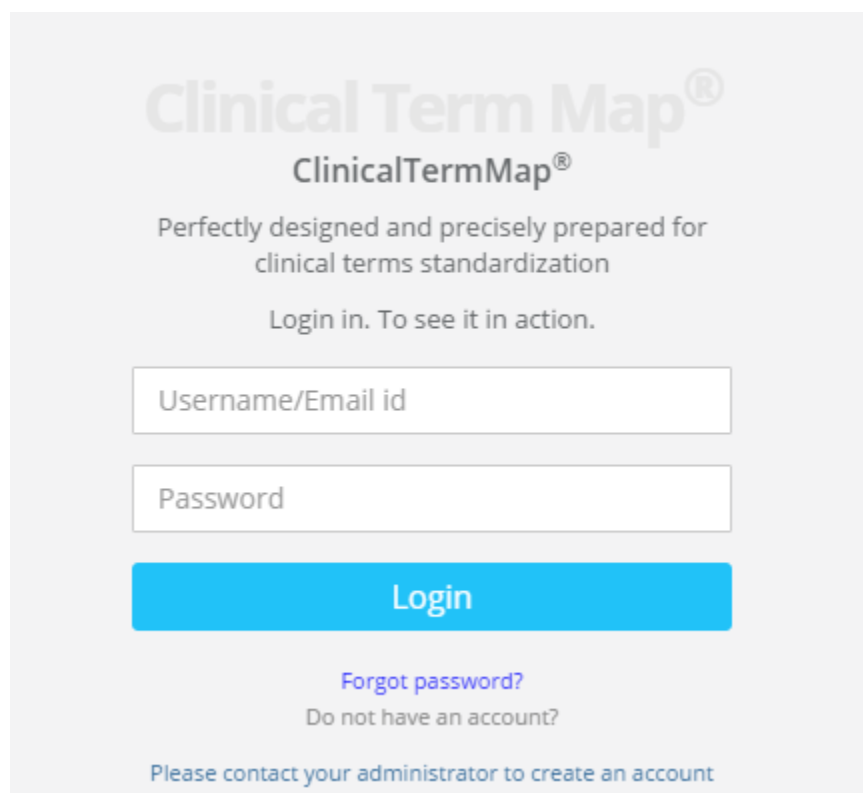
What is ClinicalTermMap?

ClinicalTermMap is a centralized database that standardizes medication, laboratory and diagnostic data for multiple and diverse brands of EHR systems across hospitals. There are three(3) main segments that drive ClinicalTermMap:

1. **Medications** - used to standardize internal medication name/NDC mapping with the U.S. National Library of Medicine. **Example:** Some medications can have multiple names. Ziagen is also known as Abacavir, or Abacavir Sulfate.
2. **Laboratory** - used to give lab procedures a way to be given multiple names/synonyms(LOINC Logical Observation Identifiers Names and Codes synonyms like keywords that physician's may use to refer to a lab test). **Example:** A laboratory procedure listed as "CBCw auto differential panel" might be called a "Diff" or "Complete Blood Count" by another physician.
3. **Diagnostics** - used to give imaging and diagnoses a way to be given multiple name/synonyms for LOINC(Logical Observation Identifiers Names and Codes)and share across EHRs. **Example:** An "Abdomen x-ray AP right lateral-decubitus" might be referred to as "Abdominal" by another physician.

Login

1. Username: Enter valid username.
2. Password: Enter valid password.
3. Login: If you click on login it will take you to home page.



The image shows a login form for Clinical Term Map. At the top, the text 'Clinical Term Map®' is displayed in a large, light gray font. Below it, 'ClinicalTermMap®' is written in a smaller, bold black font. A descriptive sentence follows: 'Perfectly designed and precisely prepared for clinical terms standardization'. Below this is the instruction 'Login in. To see it in action.' The form consists of two input fields: the first is labeled 'Username/Email id' and the second is labeled 'Password'. Below these fields is a prominent blue button with the text 'Login' in white. Under the button, there are two links: 'Forgot password?' in blue and 'Do not have an account?' in gray. At the bottom of the form, a final instruction reads 'Please contact your administrator to create an account' in blue.

Clinical Term Map®

ClinicalTermMap®

Perfectly designed and precisely prepared for
clinical terms standardization

Login in. To see it in action.

Username/Email id

Password

Login

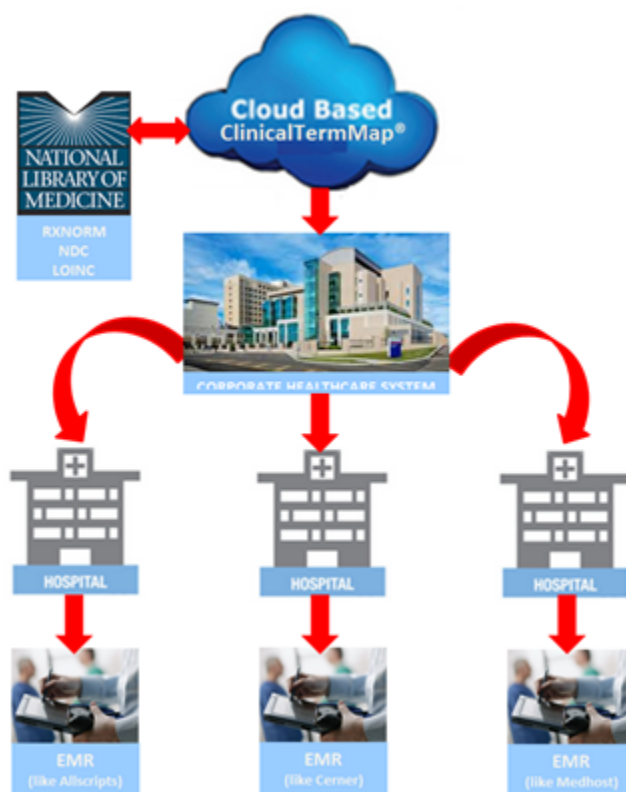
[Forgot password?](#)

Do not have an account?

[Please contact your administrator to create an account](#)

ClinicalTermMap Workflow

ClinicalTermMap®Workflow



4.1 Standard Terms

Standard terms contains two sub modules

1. Medication
2. Other Order

4.2 Medication

The **Medications** feature allows the admin to:

1. **Upload File** - upload files from a hospital or client EHR system that can be processed to provide valid and invalid medications.
2. **Content Dashboard** - view Valid, invalid and On Hold RXCUI(Prescription User Interface) data and send to the pharmacist for review.
3. **Review Management** - List files that have been assigned for review and their status.
4. **Export File** - export medication records to an Excel file, or into text CSV(Comma Separated Values).

4.2.1 Upload File

Upload File is a three-steps process for uploading, processing and completing review management of medication files.

1. Select hospital, and the EHR the drug file will come from, browse for the file, and click **Submit**:

CHS

STANDARD TERMS ▾ UNIQUE ID ▾ SYNONYMS ORDERSETS ▾ REPORTING ADMIN ▾

Log out

UPLOAD CONTENT REVIEW EXPORT

Medication

Upload File

* Hospital/Hub : Select Hospital * Drug file from : Select EHR Upload File: Choose File No file chosen Submit

Search by file name

File Name	EHR Name	Upload By	Upload Date	File Status	Status	Action
No data available in table						

4.2.2 Contents

Content is a user interface which allows the pharmacist/provider to verify if medication content is valid or invalid.

1. Click **Content Dashboard**. You will see the file that you had chosen, the **Total Records Analyzed**, and three(3) tabs:

- **Valid Data** - the hospital NDC matches RXNorm NDC.
- **Invalid Data** - the hospital NDC does not match RXNorm NDC or the hospital NDC is obsolete.
- **On Hold** - a particular medication is under review and reviewer has kept medication on hold for future update.

Valid Data


Valid Data displays all the medications that were algorithmically matched with the RXNorm NDC.

Invalid Data

Invalid Data displays all the medications that have been not validated.

On Hold

On Hold is an indicator that a medication is being reviewed.



STANDARD TERMS ▾UNIQUE ID ▾SYNONYMSORDERSETS ▾REPORTINGADMIN ▾

Log out

UPLOADCONTENTREVIEWEXPORTSend For Review

Medication

Selected Hub/Hospital : Wilkes-Barre General Hospi...Valid Records : 0Invalid Records : 0Total Records Analyzed : 0

Wilkes-Barre General ... ▾


Valid DataInvalid DataOn Hold

SearchShow/Hide Columns

Map Status	Action	RXCUI	RXCUI Display Nam	NDC	LABEL_DESC	ACTIVE_FLAG	PRIMARY_SYNONYM	PYXIS_ID	PRIMARY_N
------------	--------	-------	-------------------	-----	------------	-------------	-----------------	----------	-----------

4.2.3 Review

Reviewers across the system use **Review** to response to the mail message communications from other providers



STANDARD TERMS ▾UNIQUE ID ▾SYNONYMSORDERSETS ▾REPORTINGADMIN ▾

Log out

UPLOADCONTENTREVIEWEXPORT

Medication

No files have been assigned for review

4.2.4 Export

CHS STANDARD TERMS ▾ UNIQUE ID ▾ SYNONYMS ORDERSETS ▾ REPORTING ADMIN ▾ Log out

UPLOAD ✓ CONTENT REVIEW EXPORT Medication

Selected Hub/Hospital : Memorial Hospital Mapped : 0 Un-mapped : 0 Record : 0

Memorial Hospital ▾

Search XML EXCEL/CSV Show/Hide Columns No records to view

HOSPITAL ID	CORPORATE ID	RXCUI	RXCUI_DISPLAY_N/	MAPPING_TYPE	REVIEWED_BY	REVIEWED_ON_DA	ACTIVE_FLAG	PRIMARY_SYNONYM	PYXIS
No records to view									

4.3 Other Orders

The **Other Orders** feature allows the admin to:

1. **Upload** - upload other order files from a hospital or client EHR system that can be processed to provide valid and invalid procedures.

CHS STANDARD TERMS ▾ UNIQUE ID ▾ SYNONYMS ORDERSETS ▾ REPORTING ADMIN ▾ Log out

UPLOAD ✓ CONTENT REVIEW EXPORT Other Orders

Upload File

* Select hospital : Select hospital or hub * Non Med file from : Select EHR Upload File: Choose File No file chosen Submit

Search by file name

File Name	EHR Name	Upload By	Upload Date	File Status
No data available in table				

2. **Contents** - view Valid,invalid and On Hold procedure data and send to the provider for review.

CHS STANDARD TERMS ▾ UNIQUE ID ▾ SYNONYMS ORDERSETS ▾ REPORTING ADMIN ▾ Log out

UPLOAD ✓ CONTENT REVIEW EXPORT Other Orders

Select a file

File Name	EHR Name	Upload By	Upload Date	File Status
No data available in table				

3. **Review** - list files that have been assigned for review and their status.

4. **Export** -

4.4 Unique Id

Unique id contains mainly three submodules

- 1.List
- 2.Review
- 3.New Id

4.5 List

4.6 Review

UID WorkQueue

Assign PYXIS Merge PYXIS

CSV Excel PDF

Search:

Info	Select	UID	RXCU I	RXCU I Display Name	PYXIS ID	NDC	Label Description	Action
No data available in table								

4.7 New ID

New Unique IDs

All

UNIQUE IDS LIST

Search Show/Hide Columns

FILE	Hospital/Hub Name	HOSPID	NDC	RXCU I	DISPLAY NAME	CORPID
No records to view						

4.8 Synonyms

It contains mainly three sub modules,

1. Medications.
2. Laboratory.
3. Diagnostics.

4.9 Medications

CHS

STANDARD TERMS

UNIQUE ID

SYNONYMS

ORDERSETS

REPORTING

ADMIN

Log out

Synonyms

Medications

Laboratory

Diagnostics

Search by full generic name

RXCUI	FULL_GENERIC_NAME	DISPLAY_NAME	SYNONYM
91348	Hydrogen Peroxide 300 MG/ML Topical Solution	Hydrogen Peroxide (Topical)	
91349	Hydrogen Peroxide 30 MG/ML Topical Solution	Hydrogen Peroxide (Topical)	
91792	Oxymetholone 50 MG Oral Tablet	ANADROL-50 (Oral Pill)	
92582	mometasone furoate 1 MG/ML Topical Cream	ELOCON (Topical)	
92583	mometasone furoate 1 MG/ML Topical Lotion	ELOCON (Topical)	
92584	mometasone furoate 0.001 MG/MG Topical Ointment	ELOCON (Topical)	
92752	Fluorouracil 10 MG/ML Topical Cream	FLUOROPLEX (Topical)	
92759	Griseofulvin 330 MG Oral Tablet	FULVICIN P/G (Oral Pill)	
93181	Dyphylline 400 MG Oral Tablet	LUPYLLIN (Oral Pill)	

4.10 Laboratory

CHS

STANDARD TERMS

UNIQUE ID

SYNONYMS

ORDERSETS

REPORTING

ADMIN

Log out

Synonyms

Medications




Laboratory

Diagnostics

Search by long common name

LOINC	SHORT_NAME	LONG_COMMON_NAME	SYNONYM
1-8	Acyclovir Susp Islt	Acyclovir [Susceptibility]	Aciclovir; Acifur; ACV; Acycloguanosine; ANTIBIOTIC SUSCEPTIBILITIES;
10-9	Amdinocillin Titr SBT	Amdinocillin [Susceptibility] by Serum bactericidal titer	Amdinocillin pivoxil; ANTIBIOTIC SUSCEPTIBILITIES; Dilution factor; Is...
100-8	Cefoperazone Islt MIC	Cefoperazone [Susceptibility] by Minimum inhibitory concentration (MI	ANTIBIOTIC SUSCEPTIBILITIES; AST; Cefobid; Islt; Isol; Minimum inhibit.
1000-9	DBG Ab SerPI BPU QI	DBG Ab [Presence] in Serum or Plasma from Blood product unit	ABS; Aby; Antby; Anti; Antibodies; Antibody; Autoantibodies; Autoantib
1001-7	DBG Ab SerPI Donr QI	DBG Ab [Presence] in Serum or Plasma from donor	ABS; Aby; Antby; Anti; Antibodies; Antibody; Autoantibodies; Autoantib
1002-5	DBG Ab SerPI QI	DBG Ab [Presence] in Serum or Plasma	ABS; Aby; Antby; Anti; Antibodies; Antibody; Autoantibodies; Autoantib

4.11 Diagnostics


	STANDARD TERMS ▾	UNIQUE ID ▾	SYNONYMS	ORDERSETS ▾	REPORTING	ADMIN ▾	  Log out
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Synonyms

Medications

Laboratory

Diagnostics

Search by long common name 

LOINC	SHORT_NAME	LONG_COMMON_NAME	SYNONYM
10000-8	R wave dur L-AVR	R wave duration in lead AVR	Cardiac; Durat; EKG.MEASUREMENTS; Electrocardiogram; Electrocardi
10001-6	R wave dur L-I	R wave duration in lead I	Cardiac; Durat; ECG; EKG.MEASUREMENTS; Electrocardiogram; Electro
10002-4	R wave dur L-II	R wave duration in lead II	2; Cardiac; Durat; ECG; EKG.MEASUREMENTS; Electrocardiogram; Elect
10156-8	Childhood diseases Hx Reported	History of childhood diseases Narrative	Childhood diseases Hx; Finding; Findings; H/O; H+P; H+P.HX; Hx; Narr
10003-2	R wave dur L-III	R wave duration in lead III	Cardiac; Durat; ECG; EKG.MEASUREMENTS; Electrocardiogram; Electro
10004-0	R wave dur L-V1	R wave duration in lead V1	Cardiac; Durat; ECG; EKG.MEASUREMENTS; Electrocardiogram; Electro

4.12 Ordersets

This contains mainly two sub modules,

- 1.Zynx.
- 2.Provation.

4.13 Zynx

4.13.1 Upload Order Sets

CHS

STANDARD TERMS ▾UNIQUE ID ▾SYNONYMSORDERSETS ▾REPORTINGADMIN ▾

Log out

⬆️ UPLOAD ORDER SETS

✓ ORDER SET

🔗 COMPARE ORDER SETS

📄 EXPORT ORDER SETS

*Order Set Source:

--select source-- ▾

Upload OrderSet:

Please select a order set.

Browse

Submit

4.13.2 Order Set

Zynx Order Sets

test.clinicaltermmap.com/zynx

CHS STANDARD TERMS UNIQUE ID SYNONYMS ORDERSETS REPORTING ADMIN

UPLOAD ORDER SETS ORDER SET COMPARE ORDER SETS EXPORT ORDER SETS

ZYNX ORDER SETS CERNER ORDER SETS ORDER SET ASSOCIATION

10 records per page Search:

ID	Name	User	Created Date	Status
1147	General, Adult, Admit ICU	adminadminadmin	3/29/2016 22:29	Active
1148	General, Adult, Admit Non-ICU	adminadminadmin	3/29/2016 22:29	Active
1149	General, Adult, Discharge	adminadminadmin	3/29/2016 22:29	Active
1150	Quick Admit, Adult	adminadminadmin	3/29/2016 22:29	Active

Cerner Order Sets

CHS STANDARD TERMS UNIQUE ID SYNONYMS ORDERSETS REPORTING ADMIN

UPLOAD ORDER SETS ORDER SET COMPARE ORDER SETS EXPORT ORDER SETS

ZYNX ORDER SETS CERNER ORDER SETS ORDER SET ASSOCIATION

10 records per page Search:

ID	Name	User	Created Date	Status
1	ED Hyperglycemia - DKA	Biswaranjan	3/31/2016 9:5	Inactive
2	ED Hyperglycemia - DKA	admin	4/13/2016 12:43	Active
3	Sepsis/SIRS, Adult, Admission	test	4/14/2016 3:52	Active

Previous 1 Next

Order Set Association

CHS STANDARD TERMS UNIQUE ID SYNONYMS ORDERSETS REPORTING ADMIN

UPLOAD ORDER SETS ORDER SET COMPARE ORDER SETS EXPORT ORDER SETS

ZYNX ORDER SETS CERNER ORDER SETS ORDER SET ASSOCIATION

10 records per page Search:

Zynx Order Set Name	Cerner Order Set Name	Action
ED Hyperglycemia/DKA/HHS, Adult	ED Hyperglycemia - DKA	Remove

Previous 1 Next

4.13.3 Compare Order Sets

4.13.4 Export Order Sets

4.14 Provation

4.15 Reporting

4.16 Admin

The Admin feature lets you setup each hospital/facility,EMR type and identifiers using these categories:

ID	Name	Description	Active	Allow Multiple	Action
12	SADHU		✓	✓	Edit Delete
13	pragso	drfdhbgfhgj	✓	✓	Edit Delete
14	AA	BB	✓	✗	Edit Delete
15	BB	aa	✓	✗	Edit Delete

The Admin screen displays ID,Name,Description,whether Active/Inactive and Allow Multiple.You can search for a specific hospital,and sort by ID and/or by name in ascending/descending order.

4.17 ID Admin

4.17.1 Add ID Type

Add ID Type is used for assigning value to each of the hospital(facilities) and EHRs.

1. Click on Add Id Type button

2. You will see the **ID Type** customization Screen.

CHS STANDARD TERMS ▾ UNIQUE ID ▾ SYNONYMS ORDERSETS ▾ REPORTING ADMIN ▾ Log out

ID Type **Add ID Type** Add Term Type Add Source Type Add RxNorm Code Level Type Auto Identifier

ID: 16 Status: ☒ Active ☐ Inactive
 *Name: ID Type Name Allow Multiple: ☐ Yes ☒ No
 Description: Description

Reset Save

ID Type List :

ID ▾	Name ▾	Description	Active	Allow Multiple	Action
15	BB	aa	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Edit Delete
14	AA	BB	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Edit Delete

3. The Id is automatically numbered for the next ID type. Type a Name, and then a Description. Click to checkmark a status of either Active or Inactive, and whether or not to Allow Multiples.

CHS STANDARD TERMS ▾ UNIQUE ID ▾ SYNONYMS ORDERSETS ▾ REPORTING ADMIN ▾ Log out

ID Type **Add ID Type** Add Term Type Add Source Type Add RxNorm Code Level Type Auto Identifier

ID: 16 Status: ☒ Active ☐ Inactive
 *Name: ID Type Name Allow Multiple: ☐ Yes ☒ No
 Description: Description

Reset Save

ID Type List :

ID ▾	Name ▾	Description	Active	Allow Multiple	Action
15	BB	aa	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Edit Delete
14	AA	BB	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Edit Delete

4. Click Save. The new hospital will now appear in the ID Type List.

5. Each ID can be changed or removed by using EDIT or DELETE. Click the EDIT button.

6. If you decide Not to change the ID, Click Close. If you want to save Changes, click UPDATE.

4.17.2 Add Term Type

Term type is used by ClinicalTermMap Admins to make sure National library of Medicine terminology is up to date on a monthly basis.

Note: Throughout the year US Library updates. ClinicalTermMap by NUSIV will update the RXCUI lookup table data in the cloud, if there are any mismatches, it will be updated. CHS or other client, they have an EHR they have to update the data in, each hospital logs sends their databases as an import and then we give back to the same file. We don't want to change the format they send us - if there is a duplicate, there will not be a problem.

4.17.3 Add Source Type

Source type shows a list of medication providers. This list comes from the National Library of Medicine.

4.18 User Profile

In this section we can edit basic information of profile and reset the password.

CHS STANDARD TERMS UNIQUE ID SYNONYMS ORDERSETS REPORTING ADMIN

Log out

Edit Profile Basic Information :

Full Name: Meghana Hospital Name: Columbia Asia

*Email (Login): admin@nusiv.com Phone: Phone

*Display Name: admin Update

Reset Password :

Changing Password For: admin@nusiv.com

New Password: New Password

Confirm Password: Confirm Password Update

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4.19 Logout

Click on Logout link on the right corner of the page.

CHS STANDARD TERMS UNIQUE ID SYNONYMS ORDERSETS REPORTING ADMIN

Log out

Create Role

Reset Password User Role

*Role Name: Role Name

*Permissions:

<input type="checkbox"/> Role	<input type="checkbox"/> New User	<input type="checkbox"/> User List
<input type="checkbox"/> Reset Password	<input type="checkbox"/> Upload File	<input type="checkbox"/> Export File
<input type="checkbox"/> Content Dashboard	<input type="checkbox"/> Review Management	<input type="checkbox"/> Facility Management