



DATA SHARING ON PHEKB.ORG

Step-by-step Process Guide

February 2, 2017


Step 1: Existing phenotypes are accessible on PheKB.org to *logged-in users* via the “[Viewable Phenotypes](#)” link or via the [eMERGE Phenotyping Group](#).


The image shows a screenshot of the PheKB website. At the top, the logo "PheKB" is displayed in a large, white, serif font against a dark green background. To the right of the logo, the tagline "a knowledgebase for discovering phenotypes from electronic medical records" is written in a smaller, white, sans-serif font. Below the header is a horizontal navigation bar with several menu items: "Home", "Phenotypes", "Implementations", "Phenotyping groups", "Resources", and "Contact Us". The "Phenotypes" menu item is highlighted in a lighter green color. A dropdown menu is open under "Phenotypes", listing four options: "Add Phenotype", "Public Phenotypes", "Viewable Phenotypes", and "Owned Phenotypes". The "Viewable Phenotypes" option is highlighted in a dark green color. In the background, behind the dropdown menu, the text "Public Phenotypes" and "View Groups" is partially visible. The overall design is clean and professional, with a color scheme of dark green, light green, and white.

Step 2: Select the phenotype of interest from those listed on the “Viewable Phenotypes” webpage.

 Cardiac Conduction (QRS)	Vanderbilt University	CPT Codes, ICD 9 Codes, Laboratories, Medications, Natural Language Processing	eMERGE Phenotype WG	03/24/2015	Final
 Cardiorespiratory Fitness Algorithm (eMERGE Mayo Network Phenotype)	Mayo Clinic	CPT Codes, ICD 9 Codes, Laboratories, Medications, Vital Signs	eMERGE Phenotype WG	03/24/2015	Validated
 Cataracts	Marshfield Clinic Research Foundation	CPT Codes, ICD 9 Codes, Medications, Natural Language Processing	eMERGE Phenotype WG	03/24/2015	Final
 Clostridium Difficile Colitis	Group Health and Vanderbilt	ICD 9 Codes, Laboratories, Medications, Natural Language Processing	Clostridium Difficile Colitis Phenotype Group, Denny's Group at Vandy, eMERGE Phenotype WG	03/24/2015	Validated
 Colon Polyps	Northwestern University The Feinberg School of Medicine	Natural Language Processing	eMERGE Phenotype WG	03/24/2015	Validated
 Dementia	Group Health Cooperative	ICD 9 Codes, Medications	eMERGE Phenotype WG	03/24/2015	Final
 Developing RxNorm for Medication Data		Medications	eMERGE Phenotype WG	09/05/2013	In development

Step 3: Select “Implementations/Datasets” from the navigation bar.

 **Clostridium Difficile Colitis**


Phenotype Data Dictionaries **Implementations/Datasets** 

Clostridium difficile, also known as "C. diff," is a species of bacteria that causes severe diarrhea and other intestinal disease when competing bacteria in the gut have been wiped out by antibiotics (see Wikipedia entry). In rare cases a C. diff infection can progress to toxic megacolon which can be life-threatening. In a very small percentage of the adult population C. difficile bacteria naturally reside in the gut. Other people accidentally ingest spores of the bacteria while patients in a hospital or nursing home.


Validation:


True positive (for Gold standard cases): C. diff antigen / antibody positive or colonoscopy/flex sig positive for C. diff.



True positive (for Silver standard cases): the doctor believes they had C. diff colitis and treated them with an appropriate course of oral vancomycin (vancocin) or metronidazole (flagyl)


 **Data Modalities and Methods Used:**


- ICD 9 Codes
- Laboratories
- Medications
- Natural Language Processing

 **Author:** David Carrell and Josh Denny


 **Files:**

-  CDiff Algorithm / Pseudocode for network implementation - 4 September 2012
-  CDiff Data Dictionary for network implementation - 30 August 2012


 **Contact Email:**

 **Age:**

- Pediatric
- Adult
- Geriatric

 **Gender:**

- Female
- Male

 **Race:**

- Arctic (Siberian, Eskimo, etc.)
- Black (African American, West African, Ethiopian, etc.)
- Caucasian (European)
- Chinese (East Asian)
- Hispanic (Latin American)
- Indian (South Asian)
- Japanese (East Asian)
- Other

Step 4: Select “Upload a New Implementation.” From that page, select “Upload a New Implementation.”

Home » Phenotypes

Implementations and Datasets For This Phenotype

Phenotype

Data Dictionaries

Implementations/Datasets

Upload a New Implementation

Implementation Details	Case PPV	Control PPV	Dataset/Dictionary	Dataset Validation
CDiff NU implementation - May 2012 chart review <i>Northwestern University</i> Cases: 0 Controls: 0 (Case, Control) Uploaded: 06/04/2012	0.902439	0.95	No datasets uploaded	
Group Health implementation <i>Group Health Cooperative</i> Cases: 0 Controls: 0 (Case, Control) Uploaded: 06/06/2012	0.92	0.88	No datasets uploaded	
Vanderbilt implementation <i>Vanderbilt University</i> Cases: 0 Controls: 0 (Case, Control) Uploaded: 07/11/2012	1	1	No datasets uploaded	
Marshfield C-diff implementation <i>Marshfield Clinic Research Foundation</i> Cases: 21 Controls: 10 (Case, Control) Uploaded: 01/16/2014	1	1	No datasets uploaded	

Home » Add content

Create Implementation

Title *

Phenotype *

Clostridium Difficile Colitis

The phenotype this implementation describes.

Algorithm Type *

Case Only

Institution

DETAILS

Implementation Details

Rich text editor toolbar with options: Bold, Italic, Underline, Bulleted list, Numbered list, Indent, Outdent, Link, Unlink, Image, Table, Source, Undo, Redo.

Rich text editor area.

Disable rich-text

Text format: Filtered HTML

- Web page addresses and e-mail addresses turn into links automatically.
- Allowed HTML tags: <a> <cite> <blockquote> <code> <dl> <dt> <dd> <h1> <h2> <h3> <p> <table> <tr> <td> <thead> <tbody> <th> <caption>

Citations

Rich text editor toolbar with options: Bold, Italic, Underline, Bulleted list, Numbered list, Indent, Outdent, Link, Unlink, Image, Table, Source, Undo, Redo.

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PUBMED IDS

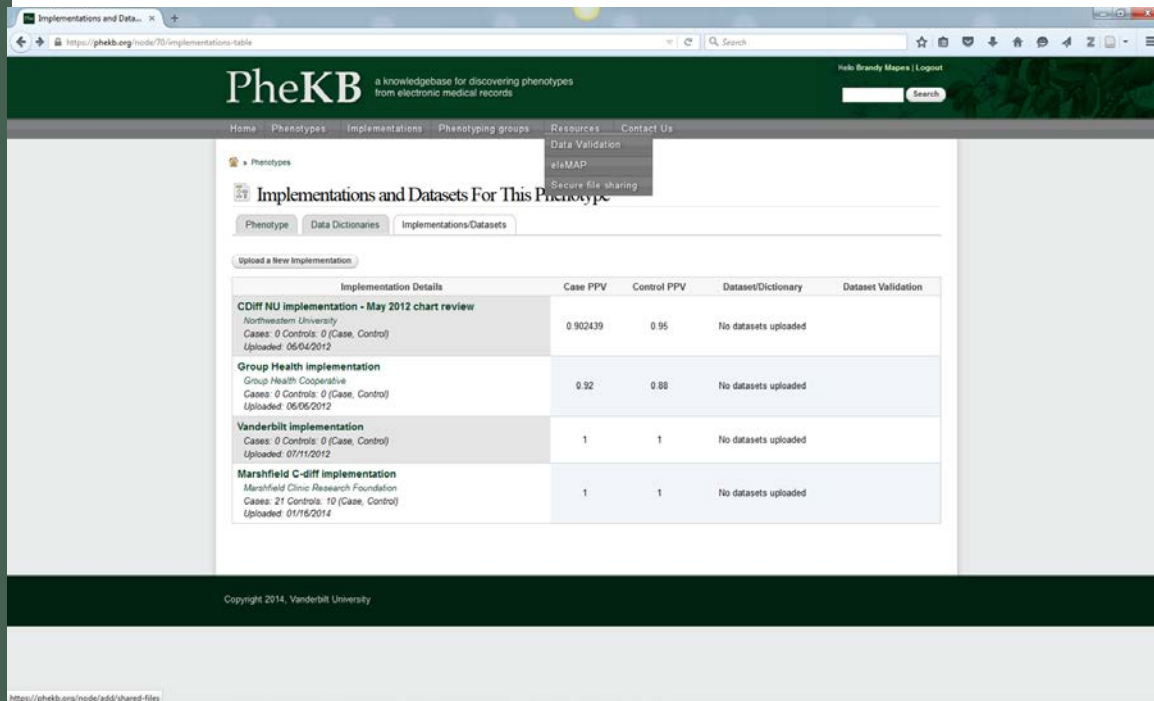
PubMed ID (number only). PheKB will fetch the rest of the info from PubMed automatically.

Add another item

Step 5: Once an implementation has been created. Users can upload data to an implementation to available, validated data dictionaries.

The screenshot displays the PheKB web application interface. At the top, the PheKB logo is accompanied by the tagline 'a knowledgebase for discovering phenotypes from electronic medical records'. A user is logged in as 'Hello Jacqueline Kirby | Logout'. A search bar is visible in the top right corner. The main navigation menu includes 'Home', 'Phenotypes', 'Implementations', 'Phenotyping groups', 'Resources', and 'Contact Us'. The breadcrumb trail indicates the current location: 'Phenotypes » Major Adverse Cardiac Events while on Clopidogrel » Implementations by Phenotype'. The main content area is titled 'MACE on Clopidogrel Vanderbilt Implementation' and features a toolbar with buttons for 'Implementation', 'Datasets Validation', 'Edit', and 'Revisions'. A section titled 'Upload a New Dataset' is expanded, showing a form with a 'Select a dictionary' dropdown menu (currently set to 'Clopidogrel_Mace_DD_05072014.csv'), a 'Dataset' section with a 'Choose File' button and the text 'No file chosen', and a 'Save and Validate' button. A note below the file selection area states: 'Upload a dataset file. Files larger than 97.75MB take time to validate and will be queued for validation.'

Alternative Method: Select “Secure file sharing” from the main navigation bar and upload the data file.



Home » Add content

Create Shared Files

Title *

SHARE FILES

Add a new file

No file selected.

Files must be less than 1.17 GB.
Allowed file types: txt csv xls xlsx tab tsv ppt pptx doc docx mov mp4 wmv zip tgz gz tar dat exe.

Optional description , discussion (Edit summary)

B I U abc [list icons] [link icon] [img icon] X² X₂ Source [font size icon] [font color icon]

Disable rich-text

Text format

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- Allowed HTML tags: <a> <cite> <blockquote> <code> <dl> <dt> <dd> <h1> <h2> <h3> <p> <table> <tr> <td> <thead> <th>

- Lines and paragraphs break automatically.

USERS THAT CAN VIEW THE FILES *

+

Check which users can view the files

DATE TO REMOVE

Year	Month	Day
2015	Oct	28