

Using the ACT Network

Visit the ACT web page at <http://www.actnetwork.us/mcwctsi> to learn more and register!



The screenshot shows the ACT Network homepage. At the top left is the CTSI logo with the text 'Clinical & Translational Science Institute of Southeast Wisconsin'. To the right is the 'ACT The ACT Network Powered by NCATS CTSA Program' logo. Below the logo are two buttons: 'Use ACT' and 'Register for ACT'. The main heading is 'Welcome to the ACT Network!'. Below this is a paragraph: 'The ACT Network is a real-time platform allowing researchers to explore and validate feasibility for clinical studies across the NCATS Clinical and Translational Science Award (CTSA) consortium, from their desktops. ACT helps researchers design and complete clinical studies, and is secure, HIPAA-compliant and IRB-approved.' Below that is another paragraph: 'ACT was developed collaboratively by members of NCATS' Clinical and Translational Science Award (CTSA) consortium, with funding from the NIH National Center for Advancing Translational Sciences.' On the right side of the main content area is a graphic showing the ACT logo above a crowd of stylized human figures.

To gain access, click the **Register for ACT** button and complete the electronic form. Someone from the CTSI Biomedical Informatics team will contact you when your access has been granted.

Once you have been granted access to the ACT Network, please follow these instructions:

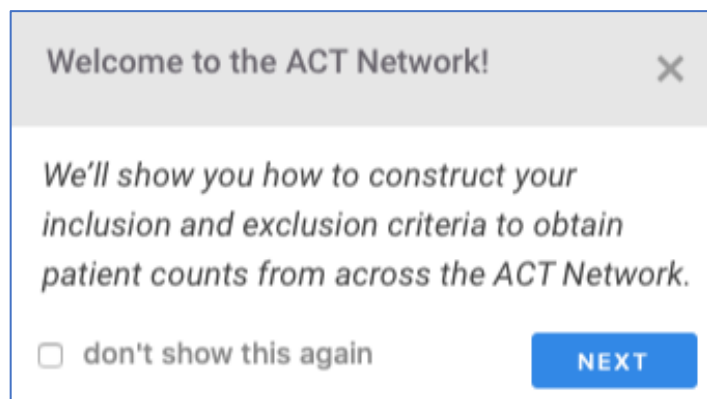
Log in at <https://act.ctsi.mcw.edu/shrine-api/shrine-webclient/#/login>

- Use your MCW network username and password to log in
- By default, you will be taken to the Find Patients activity



The screenshot shows the navigation bar of the ACT Network. It features the 'ACT The ACT Network Powered by the NCATS CTSA Program' logo on the left. To the right of the logo are two buttons: 'FIND PATIENTS' and 'VIEW RESULTS'. The 'FIND PATIENTS' button is highlighted with a white underline.

When you first log in, you'll be able to take the Welcome tutorial and learn how to navigate through the ACT query tool.

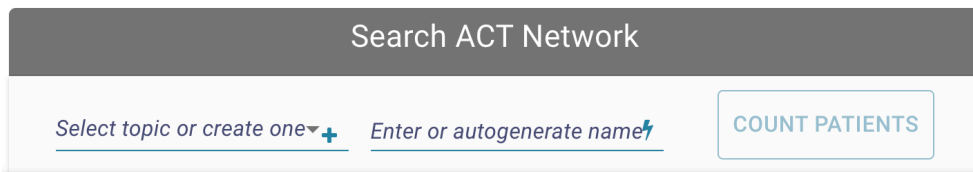


The screenshot shows a dialog box titled 'Welcome to the ACT Network!'. The main text reads: 'We'll show you how to construct your inclusion and exclusion criteria to obtain patient counts from across the ACT Network.' At the bottom left, there is a checkbox labeled 'don't show this again'. At the bottom right, there is a blue button labeled 'NEXT'.



Using the ACT Network

Create a Topic by clicking the plus button in the Search bar or **Select** an existing Topic by clicking the drop down arrow

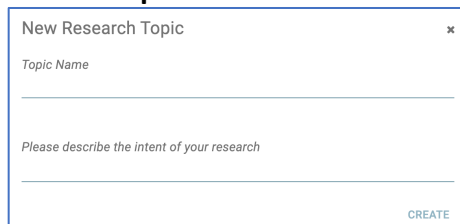
- Topics are used within ACT to organize your query history




Search ACT Network

Select topic or create one  Enter or autogenerate name  COUNT PATIENTS

- Enter a **Topic Name** and a brief **Description** of what your queries aim to discover



New Research Topic 

Topic Name

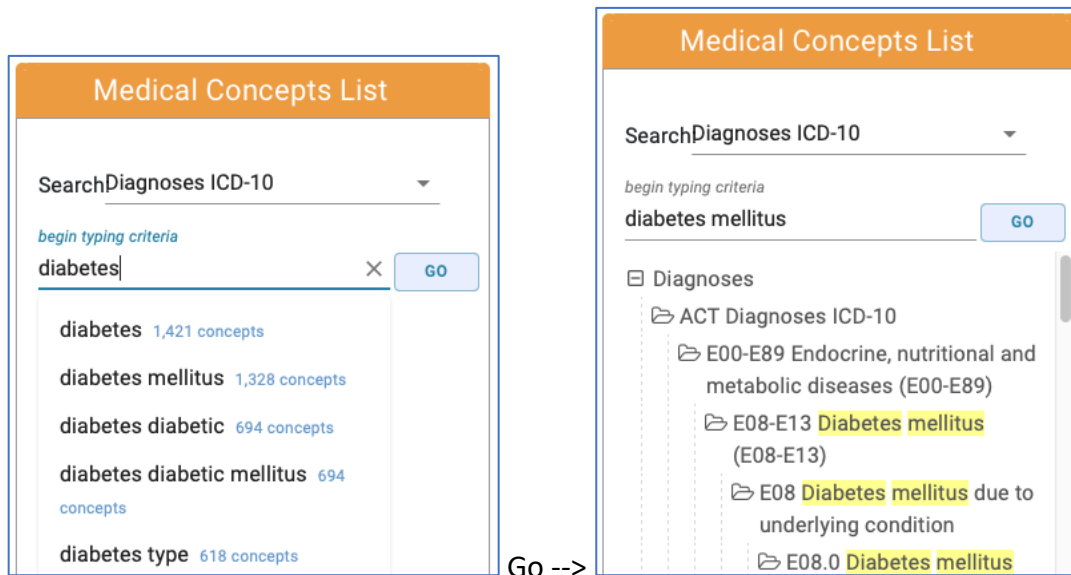
Please describe the intent of your research

CREATE

Click **Create**

Search for Concepts by clicking into a Medical Concepts List branch to browse or


Select a Concept branch from the Search drop down, type in criteria terms, and click on a group. Click Go to open the selected group and see more Concepts



Medical Concepts List

SearchDiagnoses ICD-10

begin typing criteria

diabetes  GO

- diabetes 1,421 concepts
- diabetes mellitus 1,328 concepts
- diabetes diabetic 694 concepts
- diabetes diabetic mellitus 694 concepts
- diabetes type 618 concepts

Go -->

Medical Concepts List

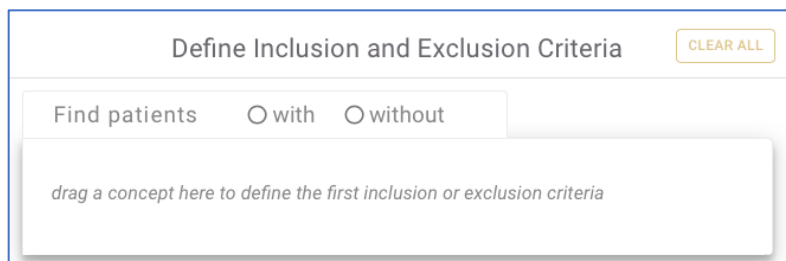
SearchDiagnoses ICD-10

begin typing criteria

diabetes mellitus GO

- Diagnoses
 - ACT Diagnoses ICD-10
 - E00-E89 Endocrine, nutritional and metabolic diseases (E00-E89)
 - E08-E13 **Diabetes mellitus** (E08-E13)
 - E08 **Diabetes mellitus** due to underlying condition
 - E08.0 **Diabetes mellitus**

Drag the Concept into the Find Patients box



Define Inclusion and Exclusion Criteria CLEAR ALL

Find patients with without

drag a concept here to define the first inclusion or exclusion criteria

Using the ACT Network



Add date range or multiple occurrence parameters as needed and/or build more inclusion/exclusion concept groups to create 'AND' logic between the stacked groups

Define Inclusion and Exclusion Criteria CLEAR ALL

Find patients with without ×

Diagnosis E08 Diabetes mellitus due to underlying condition
or drag additional concepts

CONCEPTS MUST OCCUR FROM 01/01/2020 TO 12/31/2020 AND CONCEPTS MUST OCCUR AT LEAST 10 TIMES.

Concepts must occur from 01/01/2020 to 12/31/2020

Concepts must occur at least 10 times

and with without

drag a concept here for the next inclusion or exclusion criteria

To enable the **Count Patients** button, you must select a **Topic** from the drop down list

Search ACT Network

Select topic or create one + Enter or autogenerate name ⚡ COUNT PATIENTS

Then, either type in a **name** or click the autogenerate icon (lightning bolt) to auto-create a name

Search ACT Network

Select topic or create one + Enter or autogenerate name ⚡ COUNT PATIENTS

New Test Topic + DM@15:20:41 ⚡

Click **Count Patients** and the tool will advance to **View Results**

- Each ACT site will display a count or an issue statement in the **Status** column
- Note: sites that are down for maintenance will show ERROR as the result

View Patient Count by Sites
EDIT CRITERIA

Name: DM@15:20:41
 Topic: New Test Topic
 Criteria: **Find patients with** (Diagnoses E08 Diabetes mellitus due to underlying condition) occurs starting from 01/01/2020 to 12/31/2020 and occurs at least 10 times
[show less](#)
 Status: **In Progress** - 42 sites with patients, up to 3,115 total patients
i
 Last Updated: 3/2/21 at 15:25:27 CST

Site i ↓	Status
Arkansas-Childrens	10 patients or fewer
Boston U	105 ± 10 patients
CU Colorado	Delayed At Site
Childrens National	10 patients or fewer
Cincinnati-Childrens	10 patients or fewer
Colorado-Childrens	10 patients or fewer
Columbia	10 patients or fewer
Duke	160 ± 10 patients
Emory	Sent to Site
Harvard-Beth Israel	Sent to Site
Harvard-Mass General Brigham	425 ± 10 patients
Indiana-Regenstrief	Site Error click for details

Your personal library of queries will appear in the Previous Results pane, most recent at top

Previous Results

Name	Run Date ▼
● DM@15:20:41	5 minutes ago
● E10+A1C+Adult@...	08/08/19 15:13:02
● Hoben Trapeziect...	08/08/19 09:07:26
● M77.2 Periarthr...	07/30/19 15:21:43

Questions/Concerns/Issues/Feedback? Please contact Biomedical Informatics at crdw@mcw.edu