

TriNetX for Research



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TriNetX ‘Big Picture’



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What is TriNetX?

TriNetX is a global health research platform that allows users the ability to query and analyze patient data from the UVM Medical Center since 2010, as well as from established collaborative networks, and national and global networks.

This tool is most useful for:

- Study design & study feasibility (e.g. preparatory to research)
- Clinical trial site identification & patient recruitment
- Obtaining secondary data for research
- In-platform analytics allow researchers to perform complex statistical analyses that otherwise would require biostatistical support

120+

healthcare organizations providing continuous, comprehensive, up-to-the month data

19

countries in North and South America, EMEA, and Asia-Pacific, including Japan

122

lab results in the typical record of U.S. and EMEA patients

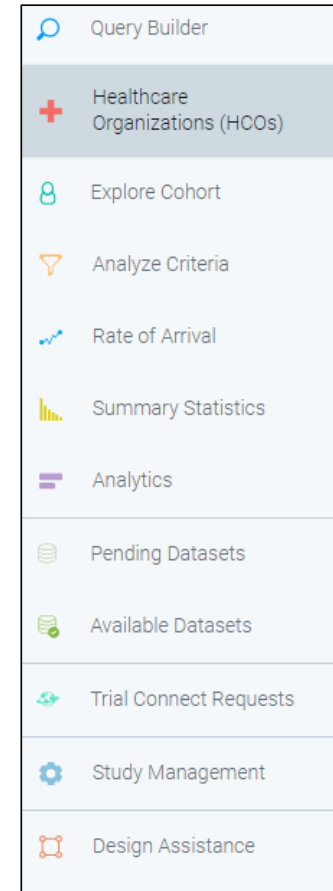
70B+

date- and patient-indexed clinical observations available for download

TriNetX Overview

What does TriNetX do?

- TrinetX is a web-based query and analytic tool
- You can build study cohorts through detailed queries
- Explore your cohort, examine outcomes
- Look at trends of events
- Perform some advanced analytics
- Request data associated with the study cohort



Building Cohorts with Query Builder

The screenshot displays the TriNetX Query Builder interface. The top navigation bar includes 'TriNetX', 'Studies', 'Connect', 'Trial Connect', 'LEGACY', 'Browse Network', and 'Discover'. The main header shows 'My Studies > test 2 > Query Builder'.

The central area is titled 'COPD population' and shows a cohort built with the following filters:

- Research: 80 of 80 HCOs online
- Any country: 4 countries in the network
- ≥ 50 years, Any sex: 51,043,530 patients on network

The cohort statistics are: Patients: 140,026, HCOs: 59. A 'Count Patients' button is available.

The 'Ungrouped Terms' section shows the following criteria:

MUST HAVE	CANNOT HAVE
ICD-10-CM J44 Other chronic obstructive pulmonary disease (2,401,820)	
RxNorm 435 albuterol (11,183,299)	
RxNorm 69128 tiotropium (658,272)	
RxNorm 19831 budesonide (1,676,709)	
RxNorm 25255 formoterol (1,055,815)	

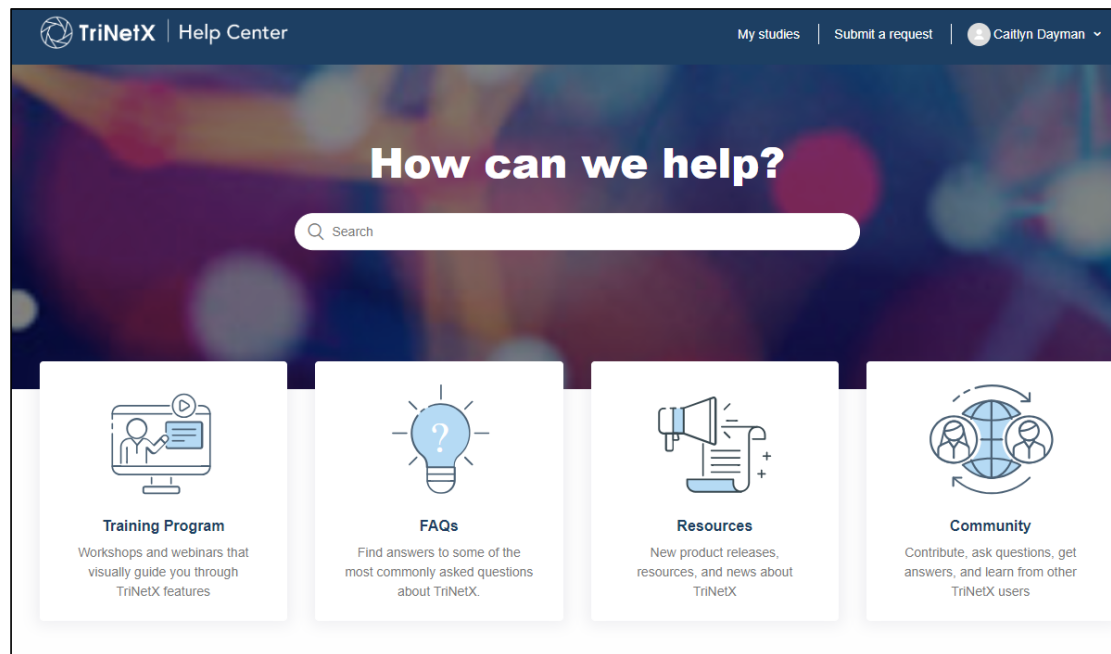
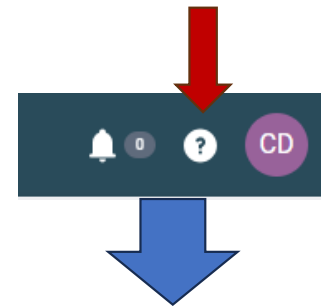
The right sidebar shows a list of cohorts with their patient and HCO counts:

- Unnamed: 6,218 Patients, 1 HCOs
- Unnamed: 1,750 Patients, 1 HCOs
- Grping Research network: 140,026 Patients, 59 HCOs
- COPD population: 140,026 Patients, 59 HCOs
- HF test: 5,297 Patients, 1 HCOs



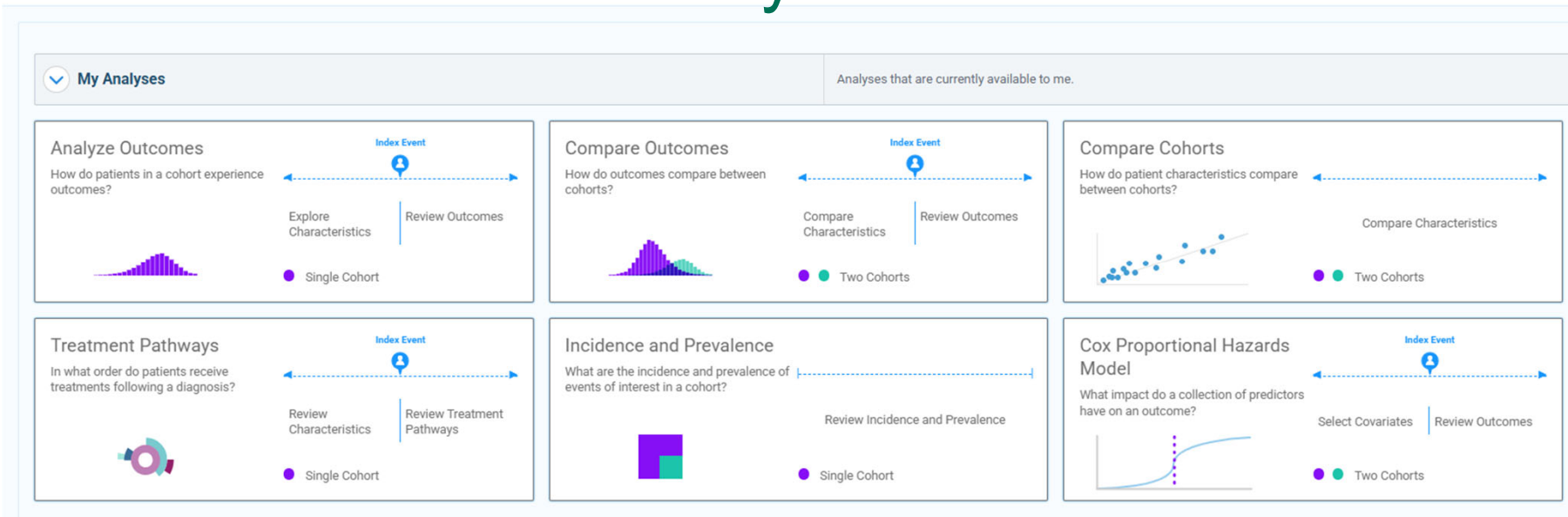
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Resource and Training



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What does it do?-- Analytics



- Outcome analyses of a cohort or a comparison of outcomes in two cohorts
- Treatment pathways among individuals with the same diagnoses
- Incidence and prevalence within the cohort



What *e*/se does TrinetX do?

- You can request deidentified data sets of your population
- Clinical trials can participate in larger studies via trail connect requests
- Study Management- store documents and protocols in a central location
- Design assistance-submit a question to TriNetx help for help with query building or the analytic tools

What are TriNetX's limitations?

- Sensitive data elements
- UVM network cohort does not include billing diagnosis information
- When using licensed networks, it can be hard to assess regional data inconsistencies

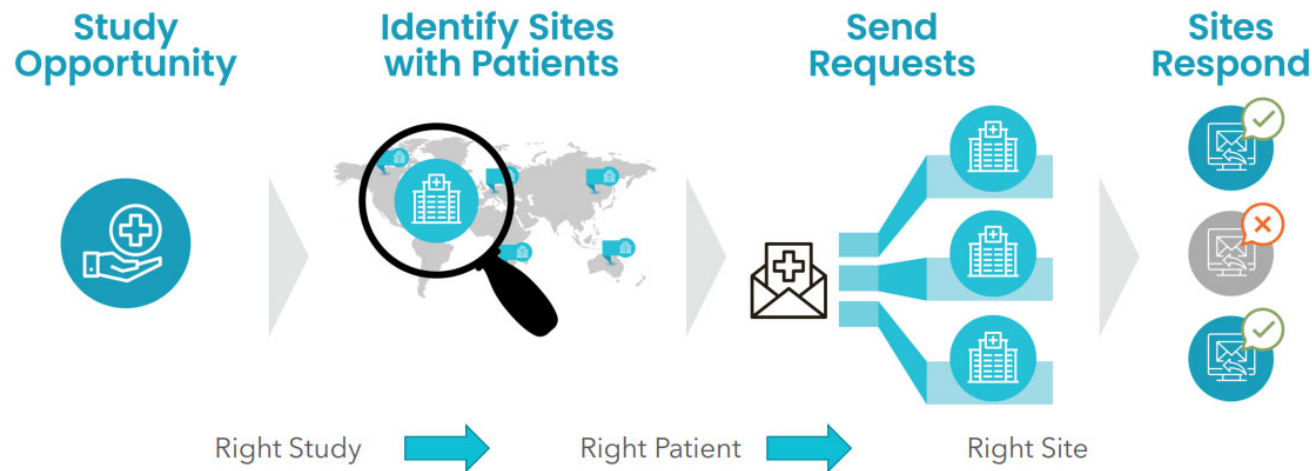
TriNetX Trial Connect

Kim Luebbers

TriNetX Trial Connect

What is TriNetX Connect?

The communication and workflow application within the TriNetX platform supporting industry customers and study sites with efficient global engagement and evidence-based identification of study sites.



TriNetX Resources:

UVM/ UVM Health Network:

[TriNetX](#)

Trinetxadmin@med.uvm.edu

MaineHealth:

[TriNetX – MHIR](#)

trinetx@mainehealth.org

Dartmouth:

[Trinetx – Dartmouth SYNERGY](#)

[SYNERGY Informatics Concierge Consult](#)