

TriNetX基礎操作簡介



奇美醫院AI中心製 2/22/2023 v1版權所有

有申請帳號的同仁，請至 <https://trinetx.com/> SIGN IN，輸入您的email address and password，若忘記password則點 “Need to reset your password”，會再寄新密碼給您。



LIFE SCIENCES HEALTHCARE DATA PRODUCTS CONSULTING RESOURCES ABOUT US

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Explore. Discover. Connect.



Your organization email address

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Login >

The TriNetX platform has regularly scheduled maintenance every Wednesday from 8pm to 10pm ET.

Discover the new speed of real-world evidence generation.

Real-world data
meets real-time collaboration.



登入後選擇欲連結之Networks以決定本研究之大數據來源

TriNetX My Studies Connect **NEW** Trial Connect Dashboard LEGACY **Browse Network**

Browse Network > Networks

Demographics
Diagnoses
Procedures
Medications
Labs
Genomics

Network Select a network
0 of 0 HCOs online

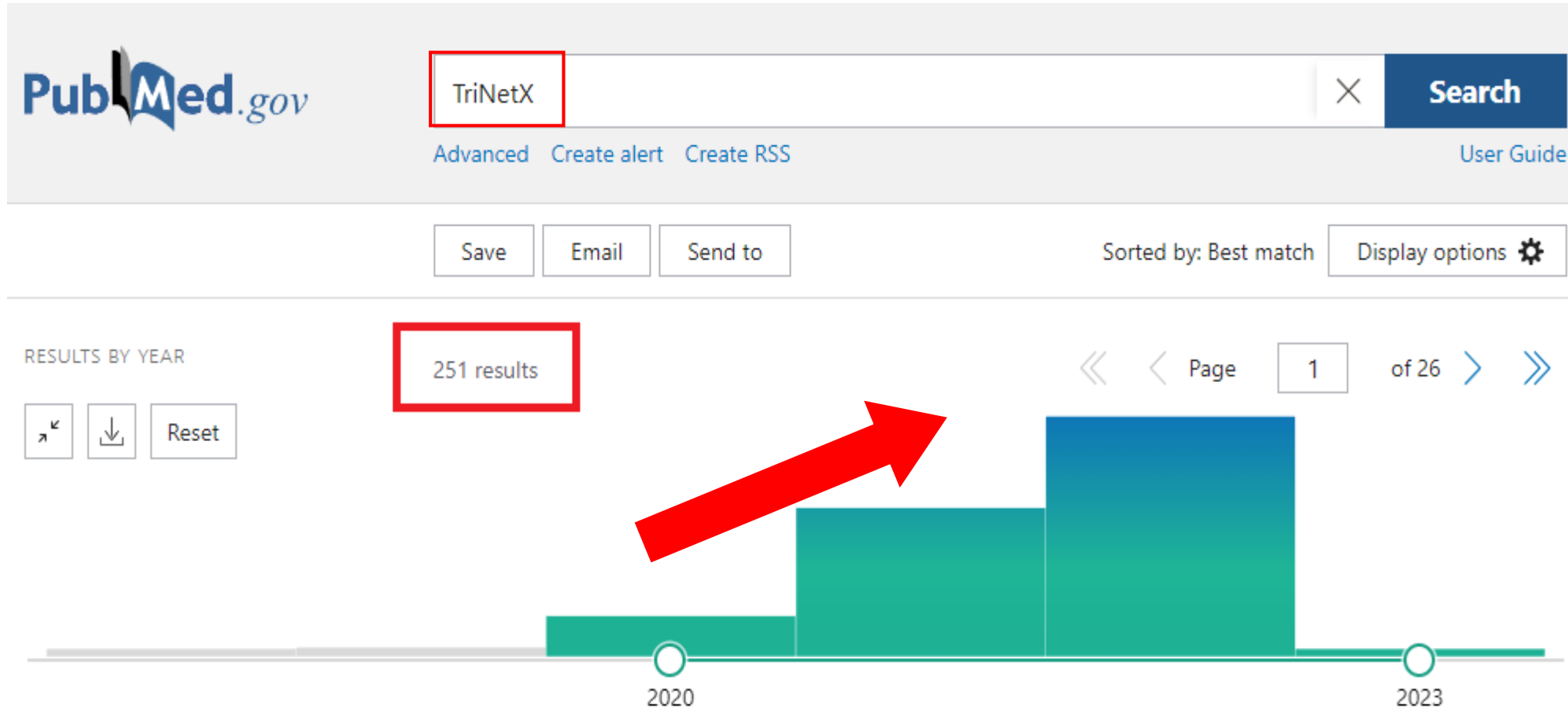
Select a network from the list below

Chi Mei Hospital Chiali ● 0 of 1 Online	選擇各院區可以分析各
Chi Mei Hospital Liouying ● 1 of 1 Online	院區的資料(建置中)
Chi Mei Hospital Yongkang ● 0 of 1 Online	
Research ● 74 of 75 Online Last Update: 10 hours ago	選擇"Research"可以 分析全世界的資料

簡介

- TriNetX是全球健康研究網絡，於 2013 年成立，透過彙整跨機構、跨國界的真實世界健康數據，及去識別化的資料共享機制，加速真實世界證據的產出，節省研發成本及時間，驅動健康領域前瞻研究。涵蓋30個國家170多個醫療組織和健康數據合作夥伴。
- TriNetX透過資料探勘、分析等，使醫療數據能增值運用在品質管理、行政管理、學術研究、預測與診斷輔助，提升醫療照護的效益。

Research



Long-term cardiovascular outcomes in COVID-19 survivors among non-vaccinated population: A retrospective cohort study from the TriNetX US collaborative networks



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^fGraduate Institute of Integrated Medicine, China Medical University, Taichung, Taiwan

^gDepartment of Medical Research, Taichung Veterans General Hospital, Taichung, Taiwan

^hCardiovascular Center, Taichung Veterans General Hospital, Taichung, Taiwan

Summary

Background The long-term cardiovascular outcomes in COVID-19 survivors remain largely unclear. The aim of this study was to investigate the long-term cardiovascular outcomes in COVID-19 survivors.

Methods This study used the data from the US Collaborative Network in TriNetX. From a cohort of more than 42 million records between 1 January 2019 and 31 March 2022, a total of 4,131,717 participants who underwent SARS-CoV-2 testing were recruited. Study population then divided into two groups based on COVID-19 test results. To avoid reverse causality, the follow-up initiated 30 days after the test, and continued until 12 months. Hazard ratios (HRs) and 95% Confidence intervals (CIs) of the incidental cardiovascular outcomes were calculated between propensity score-matched patients with versus without SARS-CoV-2 infection. Subgroup analyses on sex, and age group were also conducted. Sensitivity analyses were performed using different network, or stratified by hospitalization to explore the difference of geography and severity of COVID-19 infection.

eClinicalMedicine
2022;53: 101619

Published online 11
August 2022

<https://doi.org/10.1016/j.eclinm.2022.101619>

看影音檔先瞭解基本功能

The screenshot shows the TriNetX web application interface. The browser address bar displays `live.trinetx.com/tnx/studies`. The page header includes the TriNetX logo, navigation tabs for "My Studies", "Connect NEW", "Trial Connect Dashboard LEGACY", and "Browse Network". A user profile for "Mei-I Sung" is visible in the top right corner, accompanied by a notification bell icon showing "0" and a help icon. A dropdown menu is open from the help icon, listing "Help Center", "Training Center", and "Frequently Asked Questions".

The main content area is divided into two sections: "Open Studies" and "Other Studies".

- Open Studies:** Features a study titled "Weaning from mechanical ventilation in ICU" with 126,148 Total Patients.
- Other Studies:** Lists three additional studies:
 - "CO poisoning" with 14,525 Total Patients.
 - "COPD" with 2,234,537 Total Patients.
 - "CO intoxication" with 17,487 Total Patients.

Two red boxes highlight the "Help Center" and "Training Center" options in the dropdown menu. A grey speech bubble with the text "有二種途徑" (There are two ways) points to these options. A "Duplicate" button is located at the bottom right of the "Other Studies" section.

The Windows taskbar at the bottom shows the system time as 11:45 on 2022/11/14.

進入Help Center看影音檔

Promoted articles

TNX 101 - Basic Functionality: Query Building

TNX 102 - Basic Functionality: Basic Analytics

TNX 201 - Best Practices in Oncology

TNX 202 - Best Practices in Rare Disease

TNX 234 - Best Practices in Querying Ex-US Data

TNX 401 Part 1 - Advanced Analytics - Analyze Outcomes, Compare Outcomes and Compare Cohort

TNX 401 Part 2 - Advanced Analytics - Incidence & Prevalence and Treatment Pathways

進入Training Center看影音檔

Training Program

Workshops and webinars that visually guide you through TriNetX features

TriNetX Training Program

Introduction to TriNetX Training Program

Upcoming Live Training Webinars

Getting started with TriNetX

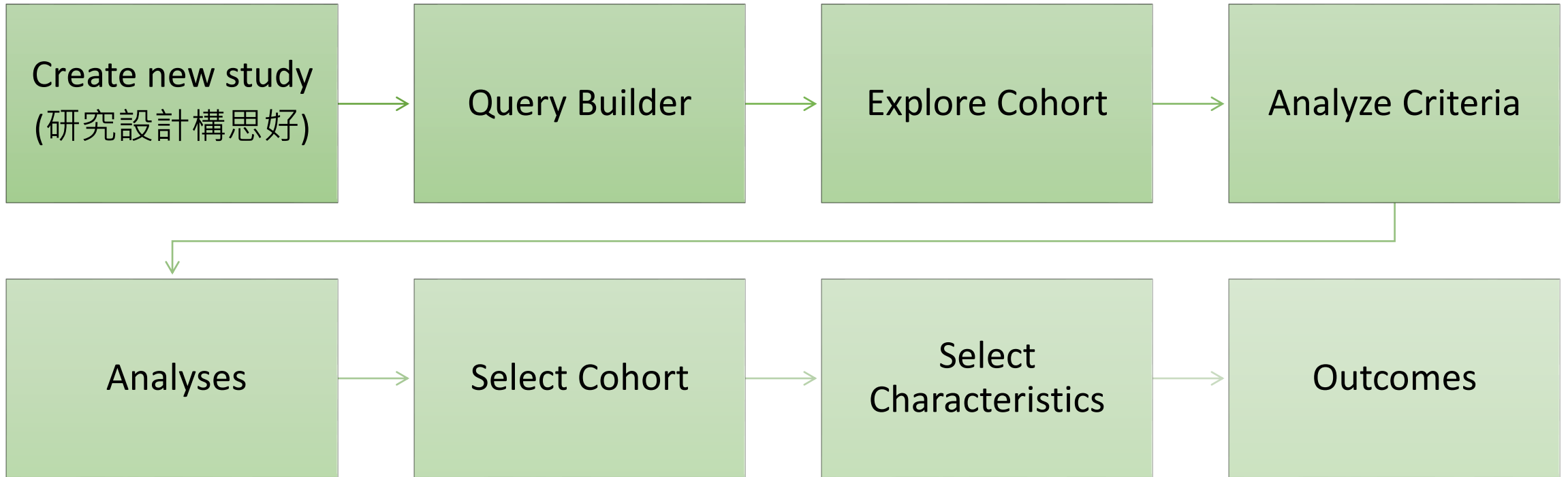
TNX 101 - TriNetX 101 Basic Functionality Query Building

TNX 102 - Basic Functionality Basic Analytics

TNX 201 - Best Practices in Querying Oncology

[See all 11 articles](#)

操作流程



操作介面簡介

以範例簡介執执行程序

範例一

主題：女性LUTS(lower urinary tract symptoms)發生ACS(acute coronary syndrome)之風險因子

- 研究設計：回溯性研究
- 收案區間：2011/01/01-2021/12/31
- 收案條件：
 - 1) Age $\geq$ 20 year
 - 2) Female
 - 3) ICD-10-CM: R30-R39(Symptoms and signs involving the genitourinary system)
 - 4) Visit $\geq$ 3
- 排除條件：診斷LUTS前已有ACS者(ICD-10-CM: I20, I21, I24)
- 特徵變數：age, SBP, DBP, Creatinine, Hypertension, DM, Hyperlipidemia (index event前5年內)
- Outcome：診斷LUTS 後1-5年內發生ACS之風險



▼ My Studies

Connect NEW

Trial Connect Dashboard LEGACY

Browse Network

Mei-I Sung  0 

My Studies

Filter By:

All Studies ▼

Create New Study

Open Studies

 Weaning from mechanical ventilation in ICU 126,148 Total Patients	Delete Duplicate
---	--

Create New Study

*Study Name (required) Enter a descriptive name for the study

Study Name

LUTS

中英文都可

*Research Purpose ? (required) Select one or more from the list below

Clinical Trial Research

☐ Design clinical trial

☐ Assess feasibility of clinical trial

☐ Identify clinical trial sites

☐ Recruit trial subjects

Other Scientific Research

☐ Conduct health economics and outcomes research (HEOR)

☒ Explore patient populations

☐ Conduct other secondary research

Cancel

Create

14

構思選擇條件

☆

Unnamed

↺ Count Patients

⋮

All changes saved

Research

74 of 75 HCOs online

▼

Any country

4 countries in the network

▼

選擇性別

Any age, Female

59,530,284 patients on network

▼

MUST HAVE

←

收案條件

CANNOT HAVE

←

排除條件

Q Search Term...

Q Search Term...

條件選擇包含7大類別

- Demographics
- Diagnoses: ICD-10-CM codes
- Procedures:
 1. ICD-10-PCS(Procedure Coding System)
 2. CPT(Current Procedural Terminology)
 3. HCPCS(Healthcare Common Procedure Coding System)
 4. SNOMED(Systematized Nomenclature of Medicine)
 5. Oncology Treatments
- Medications: 1.VA Drug Class Code 2.ATC (Anatomical Therapeutic Chemical Classification)
- Laboratory
- Genomics
- Visits

條件選擇方式一(1/2)

MUST HAVE

從這兒點選

CANNOT HAVE

從這兒點選

Diagnoses: ICD-10

Search Term...

All

D

Demographics

Dx

Diagnoses

P

Procedures

M

Medications

L

Labs

G

Genomics

V

Visits

Organized by ICD-10

☐ Show ICD-9 terms

				Patients	
>	☐	ICD-10-CM	R25-R29	Symptoms and signs involving the nervous and musculoskeletal systems	5,966,505
>	☒	ICD-10-CM	R30-R39	Symptoms and signs involving the genitourinary system	8,497,552
>	☐	ICD-10-CM	R40-R46	Symptoms and signs involving cognition, perception, emotional state and behavior	10,020,438
>	☐	ICD-10-CM	R47-R49	Symptoms and signs involving speech and voice	1,804,309
>	☐	ICD-10-CM	R50-R69	General symptoms and signs	23,923,153
>	☐	ICD-10-CM	R70-R79	Abnormal findings on examination of blood, without diagnosis	8,388,134
>	☐	ICD-10-CM	R80-R82	Abnormal findings on examination of urine, without diagnosis	1,754,549
>	☐	ICD-10-CM	R83-R89	Abnormal findings on examination of other body fluids, substances and tissues, without diagnosis	1,883,898

☐ Show Terms with Zero Patients

☐ Show Deprecated

Add To Query

Cancel

條件選擇方式一(2/2)

MUST HAVE

從這兒點選

CANNOT HAVE

Q Visits

Q Search Term...

All

D Demographics

Dx Diagnoses

P Procedures

M Medications

L Labs

G Genomics

V Visits

Visits

Patients

Visit

Visit: Ambulatory

Visit: Emergency

Visit: Home Health

Visit: Inpatient Encounter

Visit: Inpatient Non-acute

Visit: Laboratory

Visit: Observation Encounter

110,581,505

68,724,613

31,058,975

14,012

18,902,499

141,763

10,902,757

855,216

☐ Show Terms with Zero Patients

Add To Query

Cancel

條件選擇方式二(1/2)

MUST HAVE

在這兒key in

CANNOT HAVE

Lower urinary tract symptoms

Search Term...

All

D

Demographics

Dx

Diagnoses

P

Procedures

M

Medications

L

Labs

G

Genomics

V

Visits

Code	Term Description	Patients
☒ ICD-10-CM R30.1 Dx	Vesical tenesmus Lower urinary tract symptoms	180,972
☐ ICD-10-CM N40.1 Dx	Benign prostatic hyperplasia with lower urinary tract symptoms	900,045
☐ ICD-10-CM N40.2 Dx	Nodular prostate without lower urinary tract symptoms	52,098
☐ ICD-10-CM N40.3 Dx	Nodular prostate with lower urinary tract symptoms	19,862
☐ ICD-10-CM N40.0 Dx	Benign prostatic hyperplasia without lower urinary tract symptoms	1,365,387
☒ ICD-10-CM N39.0 Dx	Urinary tract infection, site not specified Lower urinary tract infection	4,591,944

☐ Show Terms with Zero Patients

☐ Show Deprecated

Add To Query

Cancel

條件選擇方式二(2/2)

MUST HAVE

Q Visit

在這兒key in

CANNOT HAVE

Q Search Term...

All

D Demographics

Dx Diagnoses

P Procedures

M Medications

L Labs

G Genomics

V Visits

Code	Term Description	Patients
☒	V Visit: ambulatory	69,175,910
☒	V Visit: unknown	53,425,921
☒	V Visit: emergency	31,135,641
☒	V Visit: inpatient encounter	18,916,480
☐	V Visit: laboratory	10,902,757
☐	V Visit: short stay	3,012,536
☐	V Visit: virtual	950,110
☐	V Visit: observation encounter	955,154

☐ Show Terms with Zero Patients

☐ Show Deprecated

Add To Query

Cancel

收案條件：Age ≥ 20 years , female, ICD-10-CM: R30-R39, Visit >= 3

排除條件：診斷LUTS前已有ACS者(ICD-10-CM: I20, I21, I24)

Research

74 of 75 HCOs online

Any country

4 countries in the network

MUST HAVE

Search Term...

CANNOT HAVE

Search Term...

Ungrouped Terms

MUST HAVE

Visit111,105,164

AND

ICD-10-CM R30-R39 Symptoms and signs involving the genitourinary system8,497,552

CANNOT HAVE

ICD-10-CM I20 Angina pectoris947,065

OR

ICD-10-CM I21 Acute myocardial infarction1,217,401

OR

ICD-10-CM I24 Other acute ischemic heart diseases295,388

+ Create a New Group

進行條件篩選

註：1個Group可視為一組條件，未來納入、排除、篩選資料會用到這些group的組合。

條件篩選

The screenshot displays the 'Query Builder' interface. At the top, a navigation bar includes links: 'Create new study', 'Query Builder' (highlighted), 'Explore Cohort', 'Analyze Criteria', 'Analyses', 'Select Cohort', 'Select Characteristics', and 'outcomes'. The main area features a light blue header with a '+ Create a New Group' button. Below this, a list of groups is shown: 'Group 1' (expanded) and 'Unnamed Group' (with an edit icon). A large grey arrow pointing right, labeled '執行條件篩選' (Execute Condition Selection), is positioned over the groups. To the right of the arrow, a red box highlights two buttons: '+ Related Group' and '+ Number of Instances', followed by icons for sorting (up/down arrows), copying, and deleting. Below these, another red box highlights two buttons: '+ Terms' and '+ Time Constraint'. At the bottom, a dashed box contains a blue button labeled '+ Add terms' and the text 'or drag and drop terms here'.

設定收案區間

Group 1

+ Related Group + Number of Instances ↑ ↓ 📄 🗑️

Unnamed Group ✎️ + Terms + Time Constraint

MUST HAVE

ICD-10-CM R30-R39 Symptoms and signs involving the genitourinary system 8,497,944

CANNOT HAVE



Group 1

+ Related Group + Number of Instances ↑ ↓ 📄 🗑️

Unnamed Group ✎️ + Terms + Time Constraint

Time Constraint for Group 1 ?

Relative Time Specific Dates

From: 01/01/2011 To: 12/31/2021 ☐ Use current date

Save Cancel

MUST HAVE

ICD-10-CM R30-R39 Symptoms and signs involving the genitourinary system 8,497,944

CANNOT HAVE

運用Time Constraint button排除LUTS前已有ACS者(1/5)

^ Group 1

+ Related Group

+ Number of Instances

↑ ↓

Unnamed Group

+ Terms

+ Time Constraint

Save後點Related Group

Terms not included in the group

ADD TO MUST HAVE

☐

Visit

☒

ICD-10-CM R30-R39 Symptoms and signs involving the genitourinary system

ADD TO CANNOT HAVE

☐

ICD-10-CM I20 Angina pectoris

☐

ICD-10-CM I21 Acute myocardial infarction

☐

ICD-10-CM I24 Other acute ischemic heart diseases

Save

Cancel

運用Time Constraint button排除LUTS前已有ACS者(1/5)

^ Group 1

+ Related Group

+ Number of Instances

↑

↓

Unnamed Group 

The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021

+ Terms

MUST HAVE

ICD-10-CM

R30-R39

Symptoms and signs involving the genitourinary system

8,497,944

CANNOT HAVE

運用Time Constraint button排除LUTS前已有ACS者(2/5)

1A Unnamed Group

The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021

+ Terms

MUST HAVE

ICD-10-CM

R30-R39

Symptoms and signs involving the genitourinary system

8,497,944

CANNOT HAVE

Set a relationship between groups before running the query

Set Relationship

1B Unnamed Group

+ Terms

+ Add terms or drag and drop terms here

運用Time Constraint button排除LUTS前已有ACS者(3/5)

1A Unnamed Group

The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021

+ Terms

MUST HAVE

ICD-10-CM

R30-R39

Symptoms and signs involving the genitourinary system

8,497,944

CANNOT HAVE

Set a relationship between groups before running the query

Set Relationship

1B Unnamed Group

+ Terms

MUST HAVE

CANNOT HAVE

ICD-10-CM

I20

Angina pectoris

947,094

OR

ICD-10-CM

I21

Acute myocardial infarction

1,217,434

OR

ICD-10-CM

I24

Other acute ischemic heart diseases

295,391

運用Time Constraint button排除LUTS前已有ACS者(4/5)

1A Unnamed Group

The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021

+ Terms

MUST HAVE

ICD-10-CM

R30-R39

Symptoms and signs involving the genitourinary system

8,497,944

CANNOT HAVE

Set a Relationship between 1A and 1B

Any instance of Group 1B occurred on or before any instance of Group 1A

Group 1A:

Any instance

Most recent instance

First instance

Anytime Before

5yr

3yr

1yr

6mo

3mo

1mo

1day

Same Day

1day

1mo

3mo

6mo

1yr

3yr

5yr

Anytime After

From

∞

Years

Before

To

0

Days

After

Group 1B:

Any instance

Most recent instance

First instance

Save

Cancel

1B Unnamed Group

+ Terms

MUST HAVE

CANNOT HAVE

ICD-10-CM	I20	Angina pectoris	947,094
OR			
ICD-10-CM	I21	Acute myocardial infarction	1,217,434
OR			
ICD-10-CM	I24	Other acute ischemic heart diseases	295,391

運用Time Constraint button排除LUTS前已有ACS者(5/5)

Save後畫面

^ Group 1

+ Number of Instances

↑ ↓

1A Unnamed Group

The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021

+ Terms

MUST HAVE

ICD-10-CM

R30-R39

Symptoms and signs involving the genitourinary system

8,497,944

CANNOT HAVE

Relationship

Any instance of Group 1B occurred on or before any instance of Group 1A

1B Unnamed Group

+ Terms

MUST HAVE

CANNOT HAVE

ICD-10-CM

I20

Angina pectoris

947,094

OR

ICD-10-CM

I21

Acute myocardial infarction

1,217,434

OR

ICD-10-CM

I24

Other acute ischemic heart diseases

295,391

運用Number of Instances button 設定Visit ≥ 3 (1/4)

Relationship Any instance of Group 1B occurred on or before any instance of Group 1A

1B Unnamed Group  + Terms  

MUST HAVE

CANNOT HAVE

ICD-10-CM	I20	Angina pectoris	947,079
OR			
ICD-10-CM	I21	Acute myocardial infarction	1,217,427
OR			
ICD-10-CM	I24	Other acute ischemic heart diseases	295,391

+ Create a New Group

運用Number of Instances button 設定Visit >= 3 (2/4)

^ Group 2

+ Related Group

+ Number of Instances

↑ ↓ □ ☒

Unnamed Group ✎

+ Terms

+ Time Constraint

+ Add terms or drag and drop terms here



^ Group 2

+ Related Group

+ Number of Instances

↑ ↓ □ ☒

Unnamed Group ✎

+ Terms

+ Time Constraint

Terms not included in the group

ADD TO MUST HAVE

☒

Visit

ADD TO CANNOT HAVE

Save

Cancel

運用Number of Instances button 設定Visit >= 3 (3/4)

^ Group 2

+ Related Group

+ Number of Instances

↑ ↓ □ ✕

Unnamed Group ✎

+ Terms

+ Time Constraint

MUST HAVE

Visit110,581,505

CANNOT HAVE

Number of Instances for Group 2 ?

Group 2 must happen...

Greater than or equal to ≥

Between (including)

Less than or equal to ≤

Exactly =

Remove

Save

Cancel

Unnamed Group ✎

+ Terms

+ Time Constraint

MUST HAVE

Visit110,581,505

CANNOT HAVE

運用Number of Instances button 設定Visit >= 3 (4/4)

^ Group 2

+ Related Group + Number of Instances ↑ ↓ □ ☒

Number of Instances for Group 2 ?

Group 2 must happen...

Greater than or equal to ≥

3

Remove

Save

Cancel

↓

^ Group 2

Greater than or equal to 3 instances

Save後畫面

+ Related Group ↑ ↓ □ ☒

Unnamed Group ✎

+ Terms + Time Constraint

MUST HAVE

Visit110,581,505

CANNOT HAVE

篩選年齡或Data Source(1/2)

1A Unnamed Group

The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021

+ Terms

MUST HAVE

ICD-10-CM

R30-R39

Symptoms and signs involving the genitourinary system

CANNOT HAVE

Add term filters

Relationship

Any instance of Group 1B occurred on or before any instance of Group 1A

1B Unnamed Group

+ Terms

MUST HAVE

CANNOT HAVE

ICD-10-CM

I20

Angina pectoris

947,173

OR

ICD-10-CM

I21

Acute myocardial infarction

1,217,603

OR

ICD-10-CM

I24

Other acute ischemic heart diseases

295,430

篩選年齡或Data Source(2/2)

...

>

Filters for ICD-10-CM R30-R39 Symptoms and signs involving the genitourinary syste...

Show Terms with Zero Patients

Save

Cancel

Go to

Age at Event

Primary/Secondary Priority

▼

Age at Event

Clear Filter

Greater than or equal to ≥

Between (including)

Less than or equal to ≤

Exactly =

Greater than or equal to ≥

20

years

Privacy, if you use this filter only patients currently aged 90 or younger will be returned

▼

Primary/Secondary Priority

Clear Filter

☐ Unknown priority8,001,444

☐ Primary priority566,649

☐ Secondary priority342,543

▼

Data Source

?

Clear Filter

Filter...

▼

☒ HCO8,499,396

☐ EHR7,663,778

☐ NLP1,286,483

☆ LUTS(2011-2021),排除ACS, visit>=3

編輯cohort名稱

Patients

3,039,468

HCOs

67

Count Patients

...

Dec 30, 2022 at 12:24 pm by Mei-I Sung

All changes saved

Research
74 of 75 HCOs online

Any country
4 countries in the network

Any age, Female
59,530,284 patients on network

MUST HAVE

Search Term...

CANNOT

Search Term...

收案與排除條件設定後count → 產生patients & HCOs

Collapse All Groups

Group 1

+ Number of Instances

↑ ↓

1A Unnamed Group

The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021

+ Terms

MUST HAVE

ICD-10-CM

R30-R39

Symptoms and signs involving the genitourinary system

8,499,396

> ≥ 20 years

CANNOT HAVE

點

Explore Cohort

→

 Run

- Query Builder
- Explore Cohort
- Demographics
- Diagnoses
- Procedures
- Medications
- Labs
- Genomics
- Regional Distribution
- Analyze Criteria
- Rate of Arrival
- Summary Statistics
- Analytics
- Pending Datasets
- Available Datasets
- Trial Connect
- Connect

☆ LUTS(2011-2021),排除ACS, visit>=3

Dec 30, 2022 at 1:16 pm by MeH Sung

Patients

3,039,465

HCOs

67

 Run

View History

Demographics

Grouped

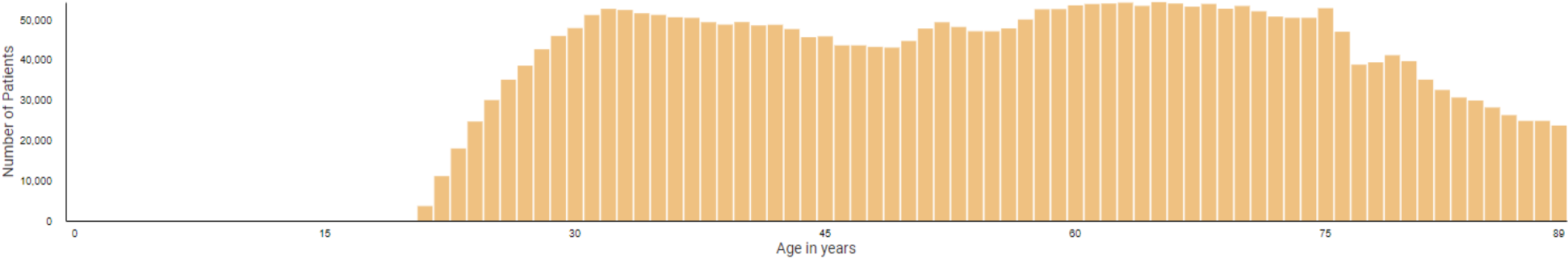
Stacked

☒ F

☒ M

☒ U

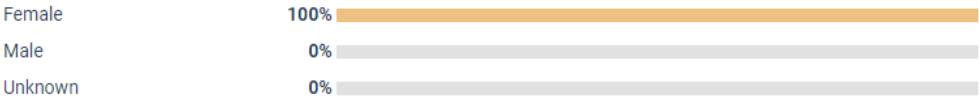




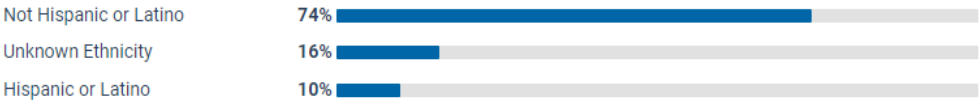
Patients 90 and Older: 29,616

Total Patients	Minimum Age	Maximum Age	Mean Age	Standard Deviation
3,039,465	21	90	55	18

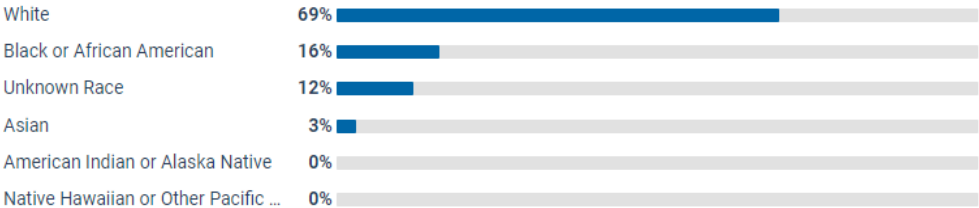
Sex



Ethnicity



Race



☆ LUTS(2011-2021),排除ACS,visit>=3

Dec 29, 2022 at 3:10 pm by Mei-I Sung

Patients

HCOs

3,039,465

67

Run

View History

Explore Cohort

Demographics

Diagnoses

Procedures

Medications

Labs

Genomics

Regional Distribution

Diagnoses

Diagnoses within

3M

6M

12M

24M

Anytime

?

All

Acute

Chronic

?



Search...



Diagnoses

Patients

% of Cohort

>	ICD-10-CM	R00-R99	Symptoms, signs and abnormal clinical and laboratory findings, not els...	513,992	100%	
>	ICD-10-CM	Z00-Z99	Factors influencing hea	55,568	89%	
>	ICD-10-CM	N00-N99	Diseases of the genitourinary system	422,215	82%	
>	ICD-10-CM	M00-M99	Diseases of the r	377,058	73%	
>	ICD-10-CM	E00-E89	Endocrine, nutritional and metabolic diseases	349,912	68%	
>	ICD-10-CM	K00-K95	Diseases of the digestive system	336,857	66%	

+ Add to Must Have

+ Add to Cannot Have



用滑鼠點選該項目會顯現

9 Explore Cohort

Demographics

Diagnoses

Procedures

Medications

Labs

Genomics

Regional Distribution

Analyze Criteria

☆ LUTS(2011-2021),排除ACS,visit>=3

Dec 29, 2022 at 3:10 pm by Mei-I Sung

Patients

3,039,465

HCOs

67

Run

View History

Procedures

Within

3M

6M

12M

24M

Anytime

All

ICD-10

CPT

HCPCS

SNOMED

Search...

^

v

x

Procedure	Patients	% of Cohort
> CPT 1013625 Evaluation and Management	387,979	75%
> CPT 1011136 Pathology and Laboratory Procedures	366,859	71%
> CPT 1003143 Surgery	350,417	68%
> CPT 1012569 Medicine Services and Procedures	349,000	68%
> CPT 1010251 Radiology Procedures	332,068	65%
> HCPCS G G: Temporary Procedures & Professional Services	209,387	41%

Query Builder

Explore Cohort

Demographics

Diagnoses

Procedures

Medications

Labs

Genomics

Regional Distribution

Analyze Criteria

☆ LUTS(2011-2021),排除ACS,visit>=3

Dec 29, 2022 at 3:10 pm by Mei-I Sung

Patients

3,039,465

HCOs

67

Run

View History

Medications

Medications within

3M

6M

12M

24M

Anytime

?

VA

ATC



These results are for 513,992 out of 3,330,822 patients



Search...



Medication

Patients

% of Cohort

>	VA	CN000	Central nervous system medications	441,214	86%	
>	VA	DE000	Dermatological agents	425,404	83%	
>	VA	AM000	Antimicrobials	423,954	82%	
>	VA	OP000	Ophthalmic agents	412,028	80%	
>	VA	HS000	Hormones/synthetics/modifiers	404,207	79%	
>	VA	GA000	Gastrointestinal medications	389,805	76%	

- Query Builder
- Explore Cohort
- Demographics
- Diagnoses
- Procedures
- Medications
- Labs
- Genomics
- Regional Distribution
- Analyze Criteria

☆ LUTS(2011-2021),排除ACS,visit>=3

Dec 29, 2022 at 3:10 pm by Mei-I Sung

Patients

3,039,465

HCOs

67

Run

View History

Labs

Labs within

3M

6M

12M

24M

Anytime

All numeric

All categorical

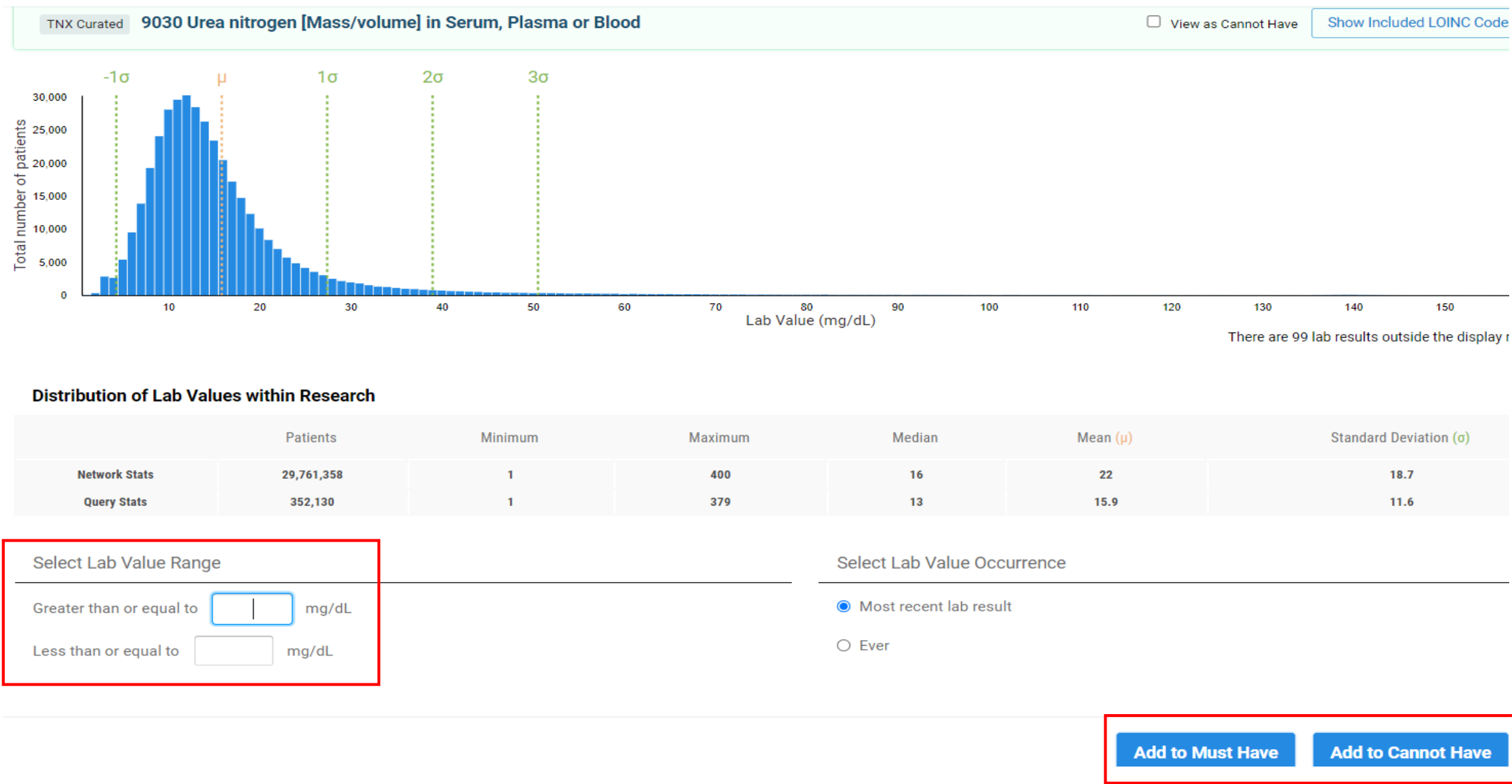
Common labs

Search...

▼ Metabolic Panel			Mean ± SD	Min	Max	Patients	% of Cohort
TNX Curat...	9029	Sodium [Moles/volume] in Se...	139 ± 3.21	80	250	370,804	72%
TNX Curat...	9028	Potassium [Moles/volume] in ...	4.11 ± 0.596	0	28	364,076	71%
TNX Curat...	9023	Chloride [Moles/volume] in S...					70%
TNX Curat...	9021	Bicarbonate [Moles/volume] i...					68%
TNX Curat...	9030	Urea nitrogen [Mass/volume] ...	15.8 ± 11.4	1	379	355,160	69%
TNX Curat...	9024	Creatinine [Mass/volume] in ...	1.42 ± 8.15	0	200	375,329	73%

用滑鼠點選該項目會顯現Select Lab Value Range畫面，可進行篩選設定

Select Lab Value Range畫面，可設定篩選條件



- Query Builder
- Explore Cohort
- Analyze Criteria
- Rate of Arrival
- Summary Statistics
- Analytics
- Pending Datasets
- Available Datasets
- Trial Connect
- LEGACY
- Connect
- NEW
- Study Management
- Design Assistance

New Criteria Analysis

Select baseline terms which correspond to the condition being studied. [Learn more about baselines](#)

1 Select Baseline Criteria

2 Select Terms for Analysis

→ Next

Cancel

☐ Group 1

1A Unnamed Group

The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021

MUST HAVE

ICD-10-CM R30-R39 Symptoms and signs involving the genitourinary system

> ≥ 20 years

CANNOT HAVE

Relationship

Any instance of Group 1B occurred on or before any instance of Group 1A

☐ 1B Unnamed Group

MUST HAVE

CANNOT HAVE

ICD-10-CM I20 Angina pectoris

OR

ICD-10-CM T21 Acute myocardial infarction

Query Builder

Explore Cohort

Analyze Criteria

Rate of Arrival

Summary Statistics

Analytics

Pending Datasets

Available Datasets

Trial Connect

LEGACY

Connect

NEW

Study Management

Design Assistance

New Criteria Analysis

Select up to sixteen terms to analyze.

1 Select Baseline Criteria

2 Select Terms for Analysis

☒ Select All

← Back

Run

Cancel

☒

Group 1

1A Unnamed Group

The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021

MUST HAVE

ICD-10-CM

R30-R39

Symptoms and signs involving the genitourinary system

>

≥ 20 years

CANNOT HAVE

Relationship

Any instance of Group 1B occurred on or before any instance of Group 1A

☐

1B Unnamed Group

MUST HAVE

CANNOT HAVE

ICD-10-CM

I20

Angina pectoris

OR

ICD-10-CM

T21

Acute myocardial infarction

☆ LUTS(2011-2021),排除ACS, visit>=3

Dec 30, 2022 at 1:29 pm by Mei-I Sung

Patients

3,039,465

HCOs

67

New Analysis

View History

Analyze Criteria

View



	Patients		HCOs
Network	109,431,800		74
Base Population	109,431,800	(0%)	74
Population Any age, Female	58,536,870	(-47%)	73
Group 1A The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021 Must Have: ICD-10-CM R30-R39 Symptoms and signs	3,218,601	(-95%)	67
Group 2A The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021 (Greater than or equal to 3 instances) Must	3,039,465	(-6%)	67

3,039,465

Patients

67

HCOs

可展開檢視

Analytics

 **My Analyses**

+ New Analysis

 **Unnamed Analysis**
Compare Outcomes

Cohort 1 194,754 LUTS後有CAD(visit>=3次...

Cohort 2 510,507 LUTS(visit>=3次)後無CA...

Duplicate

Delete

Created

Dec 13, 2022, 10:20 pm by Mei-I Sung

Edited

Dec 13, 2022, 10:56 pm by Mei-I Sung

 **Unnamed Analysis**
Logistic Regression

Cohort 1 3,597,725 LUTS排除之前有ACS且vi...

Duplicate

Delete

Created

Dec 13, 2022, 6:03 pm by Mei-I Sung

Edited

Dec 13, 2022, 8:53 pm by Mei-I Sung

選擇分析類型(1/2)

My Analyses

Analyses that are currently available to me.

Analyze Outcomes

How do patients in a cohort experience outcomes?



Index Event

←

→

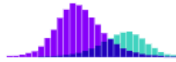
Explore Characteristics

Review Outcomes

● Single Cohort

Compare Outcomes

How do outcomes compare between cohorts?



Index Event

←

→

Compare Characteristics

Review Outcomes

● ● Two Cohorts

Compare Cohorts

How do patient characteristics compare between cohorts?



←

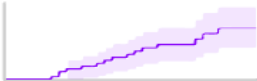
→

Compare Characteristics

● ● Two Cohorts

Competing Risks

What is the probability for a patient to have competing risks?



Index Event

←

→

Review Characteristics

Review Competing Risks

● Single Cohort

Treatment Pathways

In what order do patients receive treatments following a diagnosis?



Index Event

←

→

Review Characteristics

Review Treatment Pathways

● Single Cohort

Incidence and Prevalence

What are the incidence and prevalence of events of interest in a cohort?



Review Incidence and Prevalence

● Single Cohort

Advanced Explore Cohort

What are the characteristics of my cohort in different time periods?



Index Event

←

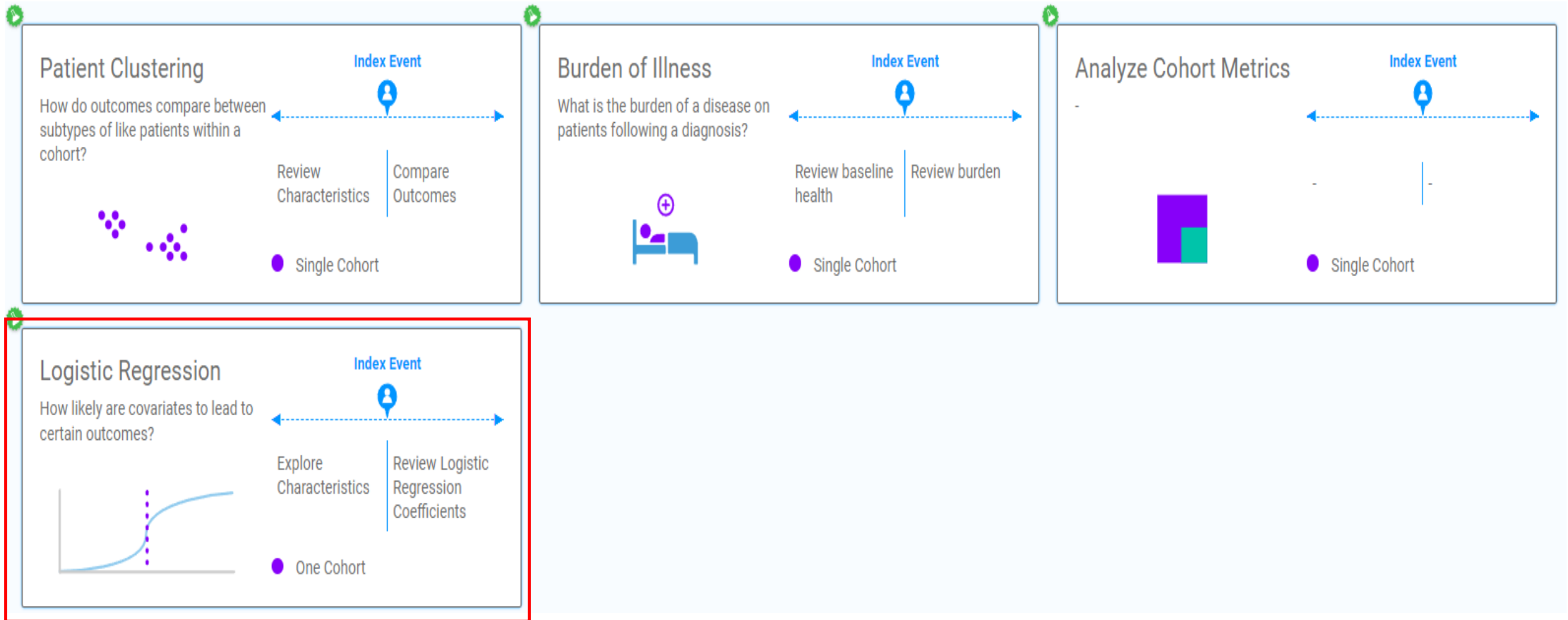
→

Explore Characteristics

Explore Outcomes

● Single Cohort

選擇分析類型(2/2)



Analyses → 點選 Logistic Regression
選擇 Cohorts → go to Characteristics

Cohort

Select Cohort

Select one cohort to include in your analysis.

Go to Characteristics

Filter By: Filter ▼

☆ LUTS(2011-2021),排除ACS, visit>=3

by Mei-I Sung

Dec 30, 2022 1:29 PM

Patients	3,039,465
HCOs	67
Network	Research

Cohort One

LUTS(2011-2021),排除ACS, visit>=3

3,039,465 Patients

Research

Dec 30, 2022, 1:29 pm

Characteristics

Time Window

Review characteristics for patients in the cohort before an index event.

Run

Cohort 1

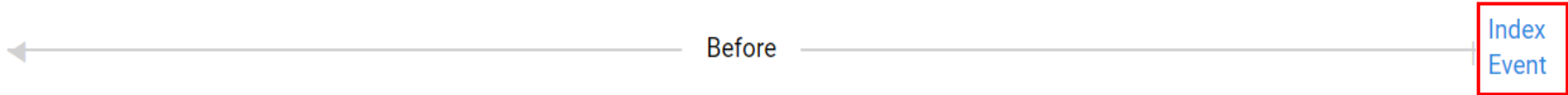
LUTS(2011-2021),排除ACS,visit>=3

3,039,465

Set Time Window

Set the time window for analysis. Default time window is anytime to one day before the index event.

Learn more



Anytime

5yr

3yr

1yr

6mo

3mo

1mo

1day

Same Day

From

5

Years

To

1

Days

Set Index Event * Required

Select criteria to define the index event for the cohort. The index event for each patient will be the first day they satisfy all of the selected criteria.[Learn more](#)

Cohort 1

LUTS(2011-2021),排除ACS,visit>=3

3,039,465 Patients

0 Terms Selected

☐

Age

> ≥ 20 years

AND

☐

Female

AND

☐

Group 1

1A Unnamed Group

The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021

MUST HAVE

ICD-10-CM

R30-R39

Symptoms and signs involving the genitourinary system

CANNOT HAVE

Time window與Index Event設定後→

Run

選取欲研究的特徵變數

Cohort

Characteristics

Time Window

Demographics

Diagnoses

Procedures

Medications

Labs

Genomics

Saved Characteristics ★2

Explore Outcomes

Logistic Regression

History

Characteristics

Diagnoses

Review diagnoses for patients in your cohort. Results include diagnoses 1825 days to 1 day before index event. Run

Cohort 1

LUTS(2011-2021),排除ACS,visit>=3

3,039,465

Diagnoses

All Acute Chronic ?

Search... ^ v x

Diagnoses			Patients	% of Cohort	Save
>	ICD-10-CM	R00-R99 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	403,437	78%	☆
>	ICD-10-CM	Z00-Z99 Factors influencing health status and contact with health services	365,709	71%	☆
>	ICD-10-CM	N00-N99 Diseases of the genitourinary system	275,393	53%	☆
>	ICD-10-CM	M00-M99 Diseases of the musculoskeletal system and connective tissue	258,117	50%	☆
✓	ICD-10-CM	E00-E89 Endocrine, nutritional and metabolic diseases	243,565	47%	☆
>	ICD-10-CM	E70-E88 Metabolic disorders	150,715	29%	☆
>	ICD-10-CM	E00-E07 Disorders of thyroid gland	77,559	15%	☆
>	ICD-10-CM	E65-E68 Overweight, obesity and other hyperalimentation	71,310	14%	☆
>	ICD-10-CM	E08-E13 Diabetes mellitus	67,099	13%	★
>	ICD-10-CM	E50-E64 Other nutritional deficiencies	57,726	11%	☆
>	ICD-10-CM	E20-E35 Disorders of other endocrine glands	19,089	4%	☆

檢視所存取的特徵值

Analytics

Cohort

Characteristics

Time Window

Demographics

Diagnoses

Procedures

Medications

Labs

Genomics

Saved Characteristics ★7

Explore Outcomes

Logistic Regression

Characteristics

Saved Characteristics

Save characteristics from your cohort that interest you.

Run

Cohort 1

LUTS(2011-2021),排除ACS,visit>=3

3,039,465

ICD-10-CM

E08-E13

Diabetes mellitus

67099

13%

★

ICD-10-CM

I10

Essential (primary) hypertension

146273

28%

★

ICD-10-CM

E78.5

Hyperlipidemia, unspecified

82597

16%

★

▼ Labs numeric

Mean ± SD

Min

Max

Patients

% of Cohort

Saved

TNX Curated

9024

Creatinine [Mass/volu...

0.865 ± 2.09

0

197

268314

52%

★

TNX Curated

9085

Blood Pressure, Systo...

126 ± 18.8

1

288

311951

60%

★

TNX Curated

9086

Blood Pressure, Diast...

74.6 ± 12

2

200

310851

60%

★

檢視完特徵變數後→點Logistic Regression

Characteristics

Time Window

Demographics

Diagnoses

Procedures

Medications

Labs

Genomics

Saved Characteristics ★7

Explore Outcomes

Logistic Regression

Characteristics

Saved Characteristics

Save characteristics from your cohort that interest you. Run

Cohort 1

LUTS(2011-2021),排除ACS,visit>=3

3,039,465

ICD-10-CM

I10

Essential (primary) hypertension

146273

28%

★

ICD-10-CM

E78.5

Hyperlipidemia, unspecified

82597

16%

★

▼ Labs numeric

Mean ± SD

Min

Max

Patients

% of Cohort

Saved

TNX Curated

9024

Creatinine [Mass/volu...

0.865 ± 2.09

0

197

268314

52%

★

TNX Curated

9085

Blood Pressure, Systo...

126 ± 18.8

1

288

311951

60%

★

TNX Curated

9086

Blood Pressure, Diast...

74.6 ± 12

2

200

310851

60%

★

設定分析outcome的Time Window

Logistic Regression

Inputs

Review logistic regression of certain covariates on outcomes for patients in the cohort.

Run

Cohort 1

LUTS(2011-2021),排除ACS,visit>=3

3,039,465

Set Time Window

Set the time window for analysis. Default time window is one day after to anytime after the index event.

Learn more

Index Event

After

Same Day

1day

1mo

3mo

6mo

1yr

3yr

5yr

Anytime

From

1

Years

To

5

Years

Logistic Regression

Inputs

Review logistic regression of certain covariates on outcomes for patients in the cohort.

Run

Cohort 1

LUTS(2011-2021),排除ACS,visit>=3

3,039,465

Set Index Event

Select criteria to define the index event for the cohort. The index event for each patient will be the first day they satisfy all of the selected criteria.[Learn more](#)

Cohort 1

LUTS(2011-2021),排除ACS,visit>=3

3,039,465
Patients

2 Terms Selected

Age

> ≥ 20 years

AND

Female

AND

☒

Group 1

56

Logistic Regression

Inputs

Review logistic regression of certain covariates on outcomes for patients in the cohort.

Run

Cohort 1

LUTS(2011-2021),排除ACS,visit>=3

3,039,465

▼

Select Outcomes * Required

Add 1+ outcomes to review for your cohort.

▼

Unnamed Outcome 

All Changes Saved. 

Search for terms to define outcome

MUST HAVE 

 Search Term...

 Saved Outcomes ▼

設定outcomes

Logistic RegressionInputsReview logistic regression of certain covariates on outcomes for patients in the cohort.Run

Cohort 1LUTS(2011-2021),排除ACS,visit>=33,039,465

AllD DemographicsDx DiagnosesP ProceduresM MedicationsL LabsG GenomicsV Visits

Organized by ICD-10☐ Show ICD-9 terms ?

				Patients	
>	☒	ICD-10-CM	I20	Angina pectoris	947,113
>	☒	ICD-10-CM	I21	Acute myocardial infarction	1,217,457
>	☐	ICD-10-CM	I22	Subsequent ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction	13,658
>	☐	ICD-10-CM	I23	Certain current complications following ST elevation (STEMI) and non-ST elevation (NSTEMI) myocardial infarction (within the 28 day period)	17,936
>	☒	ICD-10-CM	I24	Other acute ischemic heart diseases	295,400
>	☐	ICD-10-CM	I25	Chronic ischemic heart disease	4,389,299
>	☐	ICD-10-CM	I26-I28	Pulmonary heart disease and diseases of pulmonary circulation	1,397,814
>	☐	ICD-10-CM	I29-I54	Other forms of heart disease	2,422,115

☐ Show Terms with Zero Patients☐ Show Deprecated

Add To QueryCancel

設定outcomes和勾選measures後→RUN

Logistic Regression

Inputs

Review logistic regression of certain covariates on outcomes for patients in the cohort.

Run

Cohort 1LUTS(2011-2021),排除ACS,visit>=33,039,465

Search Term...

★ Saved Outcomes

ICD-10-CM I20 Angina pectoris 947,113

OR

ICD-10-CM I21 Acute myocardial infarction 1,217,457

OR

ICD-10-CM I24 Other acute ischemic heart diseases 295,400

Select measures to include in results

Measure

Details

Options

☒ Risk

What's this?

Includes

✓ % of patients in cohort with outcome

Results

▼

Logistic Regression

Must Have

Angina pectoris

OR

Acute myocardial infarction

OR

Other acute ischemic heart diseases

34932 Patients with Outcome

			Crude Values (Univariate)			Adjusted Values (Multivariable)			
Covariate	Patients	Constant?	Odds Ratio	95% CI	P-value	Odds Ratio	95% CI	P-value	Linearly Dependent?
Age at Index	3039468	false	1.043	(1.043, 1.044)	<0.00001	1.03	(1.029, 1.031)	<0.00001	false
Essential (primary) hypertension	878138	false	3.653	(3.576, 3.733)	<0.00001	2.281	(2.222, 2.341)	<0.00001	false
Diabetes mellitus	388697	false	3.248	(3.175, 3.323)	<0.00001	1.321	(1.287, 1.355)	<0.00001	false
Hyperlipidemia, unspecified	521111	false	2.955	(2.891, 3.02)	<0.00001	1.343	(1.31, 1.377)	<0.00001	false
Creatinine [Mass/volume] in Serum, Plasma or Blood									
Lab exists	1699578	false	1.713	(1.675, 1.752)	<0.00001	0.722	(0.706, 0.738)	<0.00001	false
Blood Pressure, Systolic									
Lab exists	1883924	false	1.179	(1.153, 1.206)	<0.00001	1.104	(0.868, 1.406)	0.42	false
Blood Pressure, Diastolic									
Lab exists	1879836	false	1.185	(1.159, 1.212)	<0.00001	1.128	(0.886, 1.435)	0.329	false

範例二：

主題：探討LUTS(lower urinary tract symptoms)後有 ACS與無ACS之女性，其死亡之風險。

- 研究設計：回溯性研究
- 收案區間：2011/01/01-2021/12/31
- 收案條件：
 - 1) Age ≥ 20 year
 - 2) Female
 - 3) ICD-10-CM: R30-R39(Symptoms and signs involving the genitourinary system)
 - 4) Visit >= 3
- 排除條件：診斷LUTS前已有ACS者(ICD-10-CM: I20, I21, I24)
- 特徵變數：age, SBP, DBP, Creatinine, Hypertension, DM, Hyperlipidemia (index even前5年內)
- Outcome：LUTS 後5年內死亡。

Analyses - 選擇compare outcomes

My Analyses

Analyses that are currently available to me.

Analyze Outcomes

How do patients in a cohort experience outcomes?



Index Event

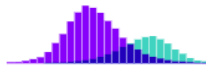
← →

Explore Characteristics | Review Outcomes

● Single Cohort

Compare Outcomes

How do outcomes compare between cohorts?



Index Event

← →

Compare Characteristics | Review Outcomes

● ● Two Cohorts

Compare Cohorts

How do patient characteristics compare between cohorts?

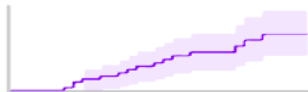


Compare Characteristics

● ● Two Cohorts

Competing Risks

What is the probability for a patient to have competing risks?



Index Event

← →

Review Characteristics | Review Competing Risks

● Single Cohort

Treatment Pathways

In what order do patients receive treatments following a diagnosis?



Index Event

← →

Review Characteristics | Review Treatment Pathways

● Single Cohort

Incidence and Prevalence

What are the incidence and prevalence of events of interest in a cohort?



Review Incidence and Prevalence

● Single Cohort

選擇 Cohorts → go to Characteristics

Cohorts

Select Cohorts

Select two cohorts to compare in your analysis.

[Go to Characteristics](#)

Filter By: Filter ▼

☆ LUTS(2011-2021)無ACS,visit>=3

by Mei-I Sung

Dec 30, 2022 3:28 PM

Patients

824,712

HCOs

65

Network

Research

☆ LUTS(2011-2021)後有ACS,visit>=3,

by Mei-I Sung

Dec 30, 2022 2:45 PM

Patients

75,280

HCOs

55

Network

Research

Cohort One

×

LUTS(2011-2021)後有ACS,visit>=3,

75,280 Patients

Research

Dec 30, 2022, 2:45 pm

Cohort Two

×

LUTS(2011-2021)無ACS,visit>=3

824,712 Patients

Research

Dec 30, 2022, 3:28 pm

Characteristics

Time Window

Compare characteristics before an index event to identify differences between your cohorts, including potential confounders.

Run

Cohort 1

LUTS(2011-2021)後有ACS,visit>=3,

75,280

Cohort 2

LUTS(2011-2021)無ACS,visit>=3

824,712

Set Time Window

Set the time window for analysis. Default time window is anytime to one day before the index event.

Learn more



Set Index Event for Each Cohort

Select criteria to define the index event for each cohort. The index event for each patient will be the first day they satisfy all of the selected criteria.[Learn more](#)

Cohort 1

LUTS(2011-2021)後有ACS,visit>=3,75,280 Patients

1 Term Selected

Female

AND

Group 1 Greater than or equal to 3 instances

1... Unnamed Gro... The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021

MUST HAVE

ICD-10-CM R30-R39 Symptom

CANNOT HAVE

Cohort 2

LUTS(2011-2021)無ACS,visit>=3824,712 Patients

1 Term Selected

Female

OR

ICD-10-CM I20 Angina pectoris
> ≥ 20 years

OR

ICD-10-CM I21 Acute myocardial infarction
> ≥ 20 years

OR

ICD-10-CM I24 Other acute ischemic heart diseases
> ≥ 20 years

Time window與Index Event設定後→

Run

65

選取欲研究的特徵變數

Time Window		Cohort 1 LUTS(2011-2021)後有ACS,visit>=3, 75,280			Cohort 2 LUTS(2011-2021)無ACS,visit>=3 824,712				
Demographics	TNX Curat...	9028	Potassium [Moles/volume] in Serum, Plasma or ...	4.11 ± 0.643 4.11 ± 0.59	0 0	28 28	67,615 273,771	90 69	Search...
Diagnoses	TNX Curat...	9023	Chloride [Moles/volume] in Serum, Plasma or Blo...	103 ± 5.27 103 ± 4.41	0.65 0	142 162	67,431 271,662	90% 69%	

檢視所存取的特徵值

- Time Window
- Demographics
- Diagnoses
- Procedures
- Medications
- Labs
- Genomics
- Saved Characteristics ★7
- Baseline Comparison Statistics
- Balance Cohorts
- Explore Outcomes
- Outcomes

Cohort 1		LUTS(2011-2021)後有ACS,visit>=3,			75,280		Cohort 2		LUTS(2011-2021)無ACS,visit>=3			824,712						
AI	Age at Index	65.5 ± 14.2		20	90	75280	100%				★							
		54.2 ± 17.6		20	89	824712	100%											
▼ Diagnoses												Patients	% of Cohort	Signal	Saved			
ICD-10-CM	E08-E13	Diabetes mellitus			38315	51%				★								
					78752	20%												
ICD-10-CM	I10	Essential (primary) hypertension			62869	84%				★								
					170350	43%												
ICD-10-CM	E78.5	Hyperlipidemia, unspecified			48274	64%				★								
					109390	28%												
▼ Labs numeric												Mean ± SD	Min	Max	Patients	% of Cohort	Signal	Saved
TNX Curated	9024	Creatinine [Mass/volume] in Serum, Plasma or ...			1.24 ± 4.86	0	192	68133	91%			★						
					0.877 ± 2.48	0	194	285249	72%									
TNX Curated	9085	Blood Pressure, Systolic			133 ± 22.2	0.5	285	59712	79%			★						
					127 ± 18.6	1	272	273831	69%									
TNX Curated	9086	Blood Pressure, Diastolic			75.3 ± 15.5	3	200	59619	79%			★						
					75.3 ± 12.2	0.167	200	271697	69%									

Baseline Comparison Statistics

Run

Cohort 1

LUTS(2011-2021)後有ACS,visit>=3,

75,280

Cohort 2

LUTS(2011-2021)無ACS,visit>=3

824,712

Demographics			Mean ± SD	Min	Max	P-Value	Std diff.	Patients	% of Cohort	Saved
AI	Age at Index		65.5 ± 14.2 54.2 ± 17.6	20 20	90 89	< 0.0001	0.7044	75,280 824,712	100% 100%	★
Diagnoses			Mean ± SD	Min	Max	P-Value	Std diff.	Patients	% of Cohort	Saved
ICD-10-CM	E08-E13	Diabetes mellitus				< 0.0001	0.6997	38,315 159,720	51% 19%	★
ICD-10-CM	I10	Essential (primary) hypertension				< 0.0001	0.9362	62,869 351,231	84% 43%	★
ICD-10-CM	E78.5	Hyperlipidemia, unspecified				< 0.0001	0.7748	48,274 231,844	64% 28%	★
Labs			Mean ± SD	Min	Max	P-Value	Std diff.	Patients	% of Cohort	Saved
TNX Curated	9024	Creatinine [Mass/volume] in Serum, Plasma or Blood	1.1 ± 2.45 0.826 ± 1.85	0 0	182.4 194.3	< 0.0001	0.1253	68,133 599,819	91% 73%	★
TNX Curated	9085	Blood Pressure, Systolic	128 ± 22.1 125 ± 18.4	0.333 0.5	254 281	< 0.0001	0.1685	59,712 570,365	79% 69%	★
TNX Curated	9086	Blood Pressure, Diastolic	72.4 ± 14.1 74.2 ± 11.3	2 0.677	200 200	< 0.0001	0.1432	59,617 568,133	79% 69%	★

Outcomes

Select Outcomes

Compare outcomes between your cohorts.

Run

Cohort 1

LUTS(2011-2021)後有ACS,visit>=3,

75,280

Cohort 2

LUTS(2011-2021)無ACS,visit>=3

824,712

Select Balance Preference

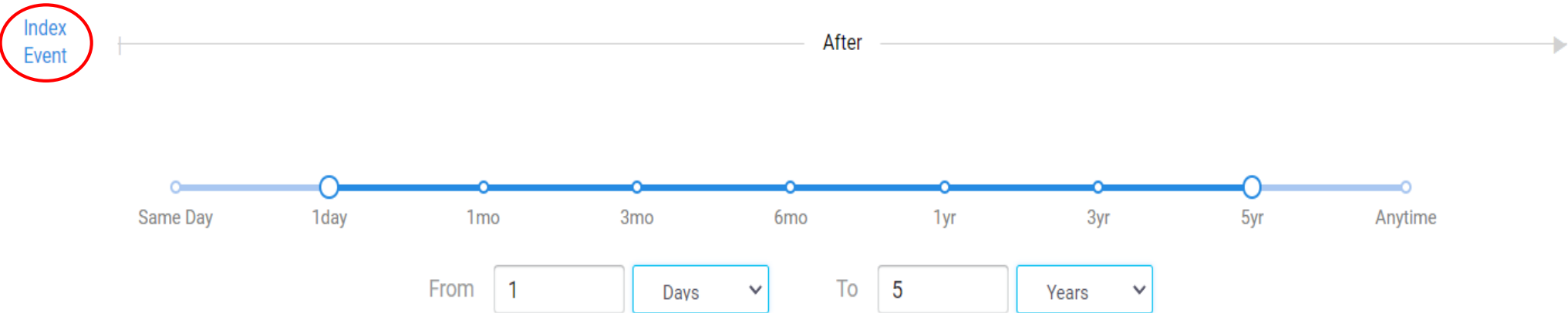
Select balance preference to compare cohorts before or after matching

☒ Compare cohorts before matching

☐ Compare cohorts after matching

Set Time Window

Set the time window for analysis. Default time window is one day after to anytime after the index event. [Learn more](#)



 Set Index Event for Each Cohort

Select criteria to define the index event for each cohort. The index event for each patient will be the first day they satisfy all of the selected criteria. [Learn more](#)

Cohort 1

LUTS(2011-2021)後有ACS,visit>=3,75,280 Patients

1 Term Selected

☐

Female

AND

☒

^ Group 1

Greater than or equal to 3 instances

1... Unnamed Gro...

The terms in this group occurred between Jan 01, 2011 and Dec 31, 2021

Cohort 2

LUTS(2011-2021)無ACS,visit>=3824,712 Patients

1 Term Selected

☐

Female

ICD-10-CM I20 Angina pectoris

> ≥ 20 years

OR

ICD-10-CM I21 Acute myocardial infarction

設定outcomes和勾選measures

Cohort 1

LUTS(2011-2021)後有ACS,visit>=3,

75,280

Cohort 2

LUTS(2011-2021)無ACS,visit>=3

824,712

▼ Mortality

All Changes Saved.

Search for terms to define outcome

MUST HAVE

Search Term...

Deceased6,668,388

OR

ICD-10-CM R99 Ill-defined and unknown cause of mortality4,661,105

★ Saved Outcomes ▼

Select measures to include in results

Measure	Details	Options
☒ Measures of Association What's this?	Comparison ☒ Risk Ratio with 95% CI ☒ Risk Difference with 95% CI and T-Test ☒ Odds Ratio with 95% CI	Patients at Risk for Outcome What's this? ☐ Exclude patients with outcomes prior to the window
☒ Kaplan-Meier Analysis What's this?	Test ☒ Perform Log-Rank Test ☒ Perform Hazard Ratio Test What's this? Censoring ☒ Censor patients after last fact in their record	Patients at Risk for Outcome What's this? ☐ Exclude patients with outcomes prior to the window

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Outcomes

Results

Compare outcomes between your cohorts. Results include outcomes in the time window 1 day to 1825 days after index event.

Run

Export All

Cohort 1	LUTS(2011-2021)後有ACS,visit>=3,	75,280	Cohort 2	LUTS(2011-2021)無ACS,visit>=3	824,712
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▼ Mortality

Must Have

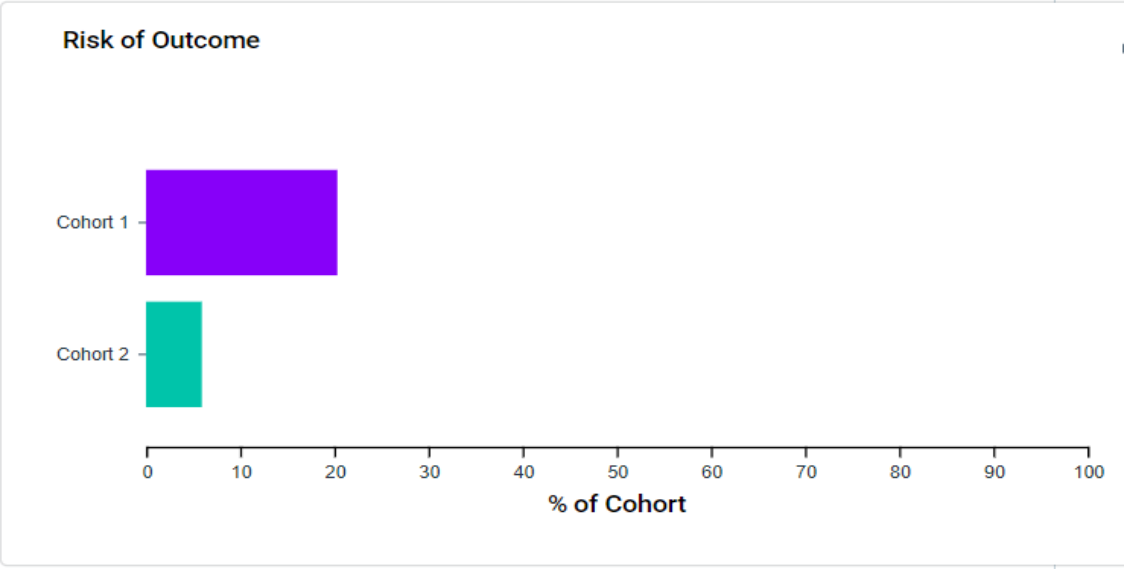
Deceased

OR

Ill-defined and unknown cause of mortality

2a : Measures of Association

Cohort		Cohort Statistics						
		Patients in Cohort	Patients with Outcome	Risk				
1	LUTS(2011-2021)後有ACS,visit>=3,	75,280	15,297	20.32%				
2	LUTS(2011-2021)無ACS,visit>=3	824,712	48,884	5.927%				
		Risk Difference		Risk Ratio		Odds Ratio		
Risk Difference	95 % CI	z	p	Risk Ratio	95 % CI	Odds Ratio	95 % CI	
14.393%	(14.101%,14.685%)	146.891	< 0.0001	3.428	(3.372,3.485)	4.047	(3.967,4.129)	



Outcomes

Results

Compare outcomes between your cohorts. Results include outcomes in the time window 1 day to 1825 days after index event.

Run

Export All

Cohort 1

LUTS(2011-2021)後有ACS,visit>=3,

75,280

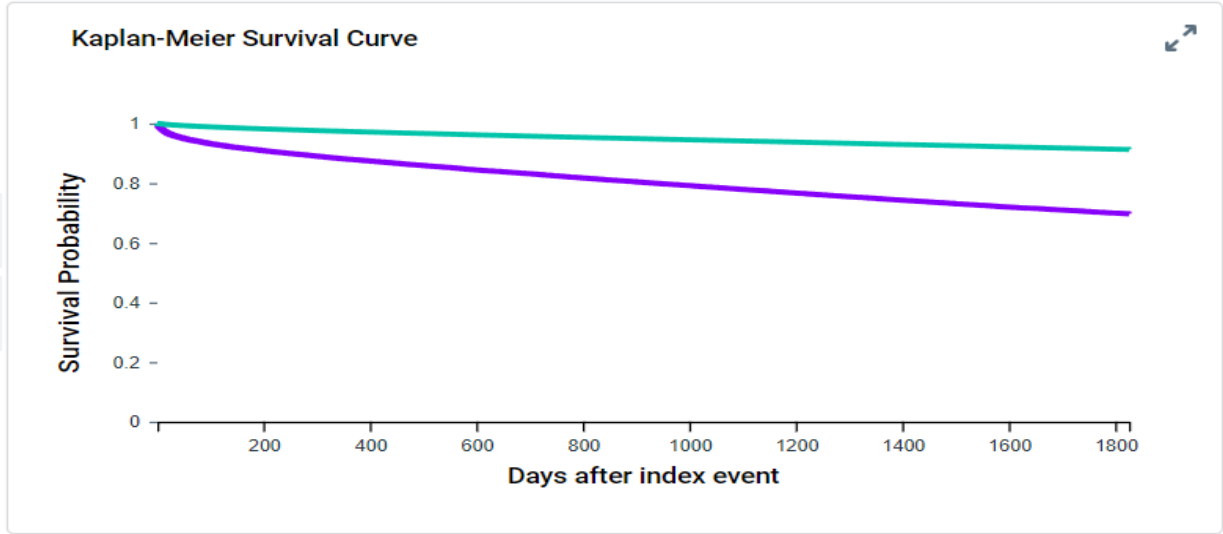
Cohort 2

LUTS(2011-2021)無ACS,visit>=3

824,712

2b : Kaplan-Meier Analysis

		Cohort Statistics			
	Cohort	Patients in Cohort	Patients with Outcome	Median Survival (Days)	Survival Probability at End of Time Window
1	LUTS(2011-2021)後有ACS,visit>=3,	75,280	15,297	-	69.693%
2	LUTS(2011-2021)無ACS,visit>=3	824,712	48,884	-	91.274%



Log-Rank Test		
χ^2	df	p
28,107.354	1	< 0.0001

Hazard Ratio		Proportionality		
Hazard Ratio	95 % CI	χ^2	df	p
4.184	(4.109,4.261)	162.665	1	< 0.0001

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FAQs

Find answers to some of the most commonly asked questions about TriNetX.

謝謝