



# Collaborator Showcase Brainstorm

OHDSI Community Call  
May 30, 2023 • 11 am ET



# Upcoming Community Calls

Date	Topic
June 6	OHDSI Standardized Vocabularies: Landscape, Roadmap & Community Contributions
June 13	ATLAS: User Input For Community Development
June 20	OMOP Supporting Clinical Registries
June 27	Recent Publication Presentations
July 4	No Meeting



# June 6 Community Call

OHDSI Standardized Vocabularies: Landscape, Roadmap & Community Contributions



## Anna Ostropolets

Director, Head of the Innovation Lab  
Odysseus Data Services, Inc.



## Alexander Davydov

Technical Team Lead  
Odysseus Data Services, Inc.



## Christian Reich

Senior Researcher, Erasmus University Medical Center  
Professor of Practice, Northeastern University



# Three Stages of The Journey

**Where Have We Been?**

**Where Are We Now?**

**Where Are We Going?**





# OHDSI Shoutouts!



Congratulations to the team of **Paul Kingsbury, Hakob Abajian, Mark Abajian, Praveen Angyan, Juan Espinoza, Beau MacDonald, Daniella Meeker, John Wilson, and Neil Bahroos** on the publication of **SEnDAE: A resource for expanding research into social and environmental determinants of health** in *Computer Methods and Programs in Biomedicine*.



Computer Methods and Programs in  
Biomedicine

Volume 238, August 2023, 107542



SEnDAE: A resource for expanding research into social and environmental determinants of health

[Paul Kingsbury](#)<sup>a</sup>, [Hakob Abajian](#)<sup>a</sup>, [Mark Abajian](#)<sup>a</sup>, [Praveen Angyan](#)<sup>a</sup>, [Juan Espinoza](#)<sup>b</sup>, [Beau MacDonald](#)<sup>c</sup>, [Daniella Meeker](#)<sup>d</sup>, [John P Wilson](#)<sup>c</sup>, [Neil Bahroos](#)<sup>a</sup>

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<https://doi.org/10.1016/j.cmpb.2023.107542>

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## Highlights

- Social and environmental determinants of health are important to healthcare delivery and research, but are difficult to collect and encode with patient records.
- Our SEnDAE toolkit automates the enrichment of arbitrary address lists with a wide range of publicly-available environmental measures.
- The toolkit also geocodes addresses if desired.
- The toolkit also enables the editing of i2b2 ontologies to display social and environmental determinants.
- Because patient addresses and geocodes are controlled PHI, we discuss architectures for protecting privacy.



# OHDSI Shoutouts!



**Any shoutouts from the community? Please share and help promote and celebrate OHDSI work!**

Do you have anything you want to share? Please send to [sachson@ohdsi.org](mailto:sachson@ohdsi.org) so we can highlight during this call and on our social channels.

Let's work together to promote the collaborative work happening in OHDSI!





# Three Stages of The Journey

**Where Have We Been?**

**Where Are We Now?**

**Where Are We Going?**





# Upcoming Workgroup Calls



Date	Time (ET)	Meeting
Tuesday	12 pm	Common Data Model Vocabulary Subgroup
Wednesday	7 pm	Medical Imaging
Thursday	9:30 am	THEMIS
Thursday	12 pm	Population Level Estimation
Thursday	1 pm	OMOP CDM Oncology Vocabulary/Development Subgroup
Thursday	7 pm	Dentistry
Friday	9 am	GIS – Geographic Information Systems General
Friday	11 am	Clinical Trials
Monday	10 am	Healthcare Systems Interest Group
Tuesday	10 am	Registry
Tuesday	10 am	Common Data Model



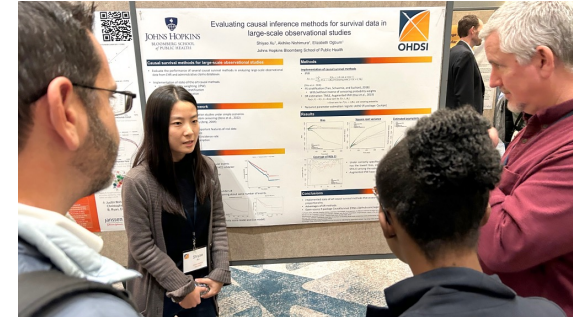
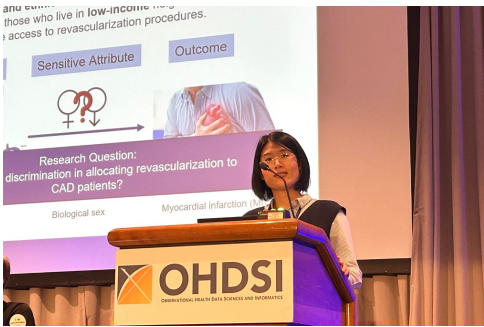



# Collaborator Showcase Deadline: **June 16, 8 pm EST**

## Less Than 3 Weeks Remaining!

All brief report submissions for the 2023 Global Symposium (**Oct. 20-22, East Brunswick, NJ, USA**) are due June 16.

We had a record-setting number of submissions in 2022 and are **EXTENDING** the collaborator showcase this year!






**Submission Form**

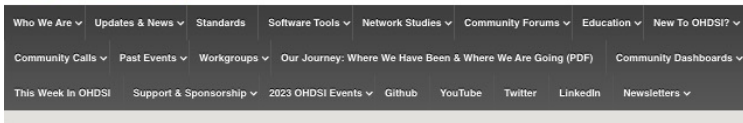
←

**Showcase Details**

→



# SOS Challenge Homepage



## Office Hours

There will be weekly office hours, corresponding with the topic of the weekly tutorials. Office hours are determined by the availability of each week's tutorial lead. When the next set of office hours are determined, the time and meeting link will be posted to the right.

**Study Diagnostics  
Office Hours:  
May 11, 7 pm ET**

[Join Office Hours](#)

**2nd Network Execution  
Office Hours:  
May 11, 9 am ET**

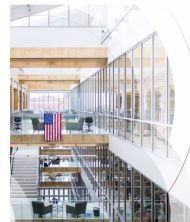
[Join Office Hours](#)

## SOS Challenge Studies

The SOS Challenge was introduced in January 2023, and community members submitted 35 different studies that could be run during the challenge. Four were selected from that group, two of which will be done live during the weekly tutorials, and two that will be done asynchronously. You can learn more about each of the four studies below, and each of the pertinent links (GitHub repo, protocol, Teams channel, etc.) will be linked in the proper section.

### Intravitreal Anti-VEGF and Kidney Failure

Lead: **Cindy Cai**



**OHDSI SOS Challenge:  
Intravitreal Anti-VEGF  
and Kidney Failure**

Cindy X. Cai, MD  
The Jonathan and Marcia Javitt Rising Professor  
Assistant Professor of Ophthalmology  
Retina Division, The Wilmer Eye Institute  
Johns Hopkins University School of Medicine

3/7/2023

[Introductory Video](#)

[MS Teams Channel](#)

[Introductory Slides](#)

[GitHub Repo](#)

### Is fluoroquinolone use really associated with the development of aortic aneurysms

Leads: **Jack Janetzki, Jung Ho Kim, Seonji Kim, Jung Ah Lee, Nicole Pratt, Seng Chan You,**

**Is fluoroquinolone use really associated with the development of aortic aneurysms and aortic dissections?**

OHDSI Save Our Sisyphus Challenge 2023

Initial collaborators  
Seng Chan You, Seonji Kim, Jung Ho Kim, Jung Ah Lee - Nourse University  
Jack Janetzki, Nicole Pratt - University of South Australia

[Introductory Video](#)

[Introductory Slides](#)

[MS Teams Channel](#)

[GitHub Repo](#)

## Save Our Sisyphus Challenge

The OHDSI mission is to improve health by empowering a community to collaboratively generate the evidence that promotes better health decisions and better care. The 2023 Save Our Sisyphus (SOS) Challenge will try to fulfill that mission, but not through one study at a time.

We will be collaborating simultaneously on four studies, each of which will be designed, implemented, executed and disseminated by members of the OHDSI global community.

As you can see on the right, there will be two weekly tutorials, taught by different members of the community, and featuring two of the four studies that were voted on by the community. Please join either or both each week to learn every step of executing a network study. The earlier session will take place during the weekly global community call, while the later will take place at 7 pm ET. Weekly call invites will go out for both, or you can access either meeting using the links below.

### SOS Challenge Weekly Tutorial Schedule

Date	Times	Topic
Mar. 28	11 am / 7 pm ET	SOS Week 1 Tutorial: Initiating A Network Study
Apr. 4	11 am / 7 pm ET	SOS Week 2 Tutorial: Data Diagnostics
Apr. 11	11 am / 7 pm ET	SOS Week 3 Tutorial: Phenotype Development
Apr. 18	11 am / 7 pm ET	SOS Week 4 Tutorial: Phenotype Evaluation
Apr. 25	11 am / 7 pm ET	SOS Week 5 Tutorial: Creating Analysis Specifications
May 2	11 am / 7 pm ET	SOS Week 6 Tutorial: Network Execution
May 9	11 am / 7 pm ET	SOS Week 7 Tutorial: Study Diagnostics
May 16	11 am / 7 pm ET	SOS Week 8 Tutorial: Evidence Synthesis
May 23	11 am / 7 pm ET	SOS Week 9 Tutorial: Interpreting the Results

[@OHDSI](#) [www.ohdsi.org](#) [EmailThisJourney](#) [ohdsi](#)

### Weekly Tutorial Links

[Session 1 Meeting Link](#)

[Session 2 Meeting Link](#)

Please remember that each week, there are two seminars focused on the same aspect of running a network study, but featuring different SOS Challenge studies. We want to make sure that, regardless of your location, there is a tutorial that is convenient for all hours. All tutorials will also be recorded and posted below.

### Global Tutorials Schedule

Local Time Zone	Network Studies (11 am / 7 pm ET)	Network Execution (11 am / 7 pm ET)
APST (UTC-8)	3:00	3:00
PST (UTC-7)	2:00	2:00
MST (UTC-6)	1:00	1:00
CST (UTC-5)	12:00	12:00
EST (UTC-4)	11:00	11:00
AST (UTC-4)	11:00	11:00
ICT (UTC+7)	6:00	6:00
GMT (UTC+0)	11:00	11:00
WAT (UTC+1)	12:00	12:00
ART (UTC+2)	1:00	1:00

## Tutorial Recordings

### Week 8: Evidence Synthesis

Session 1: **Yong Chen (slides), Martijn Schuemie (slides)**

**SOS Challenge Tutorial: Evidence Synthesis**

Hazard Ratio = 1.02 (0.27 - 3.78) Assuming normal distribution  
Hazard Ratio = 1.02 (0.22 - 3.31) No shape assumption

[View Recording](#)

Session 2: **Marc Suchard**

**SOS Challenge Tutorial: Evidence Synthesis - Bayesian random-effects**

- Compute a Bayesian meta-analysis using the MCMC engine BRAT.
- Visualize normal and half-normal prior and used for the  $\mu$  and  $\tau$  parameters
- Subposterior distribution for  $\mu$  and  $\tau$

[View Recording](#)

### Week 7: Study Diagnostics

Session 1: **Fan Bu, George Hripscak (slides)**

**SOS Challenge Tutorial: Study Diagnostics - Minimum detectable relative risk (MDRR)**

- Statistical power = probability of detecting an effect if a true effect exists
- Type II error rate
- Interventional studies: given hypothesis, background incidence, determine sample size needed
- Non-interventional studies (e.g. Cohort studies): sample size already exists, so we ask "given the available sample size would the analysis be able to detect?"
- Usually, more data provide greater power
- Design and analysis choices impact how much data are used to generate estimates
- But, is less data definitely better than no data (or no results) at all?
- Rationales: to avoid producing hard-to-interpret, under-powered estimates
- E.g., RR = 6.7 (0.5, 37.6)

[View Recording](#)

Session 2: **Mitchell Conover, Nicole Pratt (slides)**

**SOS Challenge Tutorial: Study Diagnostics - Minimum detectable relative risk (MDRR)**

Examples from LEGEND-HTN

All endpoints have MDRR > 1 (underpowered to detect 50% increase in risk if events, and low probability to detect 10% increase)

[View Recording](#)

### Week 6: Network Execution

Session 1: **Jenna Reys, Jack Brewster (slides)**

**SOS Challenge Tutorial: Network Execution - Strategus execution: 5 steps in < 15 minutes**

[View Recording](#)

Session 2: **Anthony Sena, Chungsoo Kim**

**SOS Challenge Tutorial: Network Execution**

- Database with OMOP CDM data: convert your data to OMOP CDM and set up database server
- Software: Install R/R Studio Java + setup GitHub personal access token (see HADES instructions)

[View Recording](#)

[ohdsi.org/sos-challenge](https://www.ohdsi.org/sos-challenge)



# OHDSI India Workshop: June 14



## Redefine Indian Healthcare with Real World data and Real World Evidence

- Wed, Jun 14, 5:30 AM - 6:30 AM EDT
- Online event

### Details

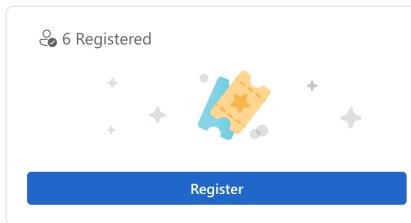
The **Observational Health Data Sciences and Informatics (OHDSI)** is an open source, open science, multi-stakeholder and interdisciplinary collaboration to bring out the value of health data through large-scale analytics. OHDSI India Chapter aims to work collaboratively with hospitals, medical universities, and healthcare professionals and researchers to promote the value of real-world data and evidence-based medicine by conducting observational studies using structured Indian patient data.

#### Agenda and Topic:

- Introduction by Lakshmi Kubendran
- Potential of Health Data in Research and Treatment by Dr. Vikram Patil
- The OHDSI Journey from Data to reliable Evidence by Professor Nicole Pratt
- OHDSI India Chapter in RWD/RWE Journey by Mr. Parthiban Suler
- Q&A

#### Key Takeaways:

- Become a part of the Global Research Community
- Benefits of Structured Healthcare data
- Data Standardization and Anonymization as per International Standards
- Access to 6B Patient Data to Perform Network Studies
- Improving public health using health data analytics



### Speakers (3)



#### Parthiban S

VP - Innovation and Growth  
Global Value Web

Parthi has over 30 years of professional experience, with more than a decade in the Pharma and Life Sciences industry. He possesses multi-disciplinary skills in almost all functional areas such as R&D, Delivery Management, Operations, Consulting, Business Development, Sales in diverse domains an...

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#### Dr. Vikram Patil

startup mentor and Associate Professor in the Department of Radiology  
JSS AHER, Mysuru

Dr. Vikram Patil is the Deputy Dean (Research) at JSS AHER, Mysuru. A Radiologist by profession, he is heading and coordinating the Digital Health, Health Data and Artificial Intelligence related activities at JSS AHER. His team has been involved in product validations and clinical trials for Innovative...

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#### Nicole Pratt

Deputy Director  
University of South Australia

Professor Nicole Pratt is the Deputy Director of the Quality Use of Medicines and Pharmacy Research Centre, University of South Australia. She is a member of the Drug Utilisation Subcommittee (DUSC) of the Australian Department of Health Pharmaceutical Benefits Advisory Committee (PBAC). She ha...

[Show more](#)



# PIONEER Study-A-Thon: June 13-16

The PIONEER team is leading a studyathon June 13-16 in Stockholm, Sweden, with a focus on **Observational health data analysis on the adverse events of systemic treatment in patients with metastatic hormone-sensitive prostate cancer** and is looking for participation from the OHDSI community.

**PIONEER studyathon 2023**

June 13-16th 2023, Stockholm  
Topic: What is the best treatment for men with advanced Pca?  
Contact: carl@collaborate.eu

\* Required

1. Name

2. Organisation

3. Email \*  
We will use your email address to contact you about the studyathon and send invites for studyathon meetings and sessions.

4. I will attend the studyathon ... \*  
 In person  
 Online only  
 Don't know yet

5. If you attend in person which days will you join  
 Tuesday, June 13th 2023  
 Wednesday, June 14th 2023  
 Thursday, June 15th 2023  
 Friday, June 16th 2023

6. How do you think you can contribute during the study-a-thon?  
 Literature review and evidence synthesis  
 Protocol writing  
 Phenotype definition and evaluation  
 ATLAS implementation of cohorts and analysis designs  
 Statistical programming for characterization (SAS, SQL, R)  
 Statistical programming for patient-level prediction (SAS, R)  
 Statistical programming for population-level estimation (SAS, R)  
 R Shiny application development for evidence dissemination  
 Execute study packages on data mapped to OMOP that I have access to  
 Technical support for data partners executing study packages  
 Clinical review with expertise in prostate cancer



# 5 Fully Funded PhDs in Cancer Digital Health RWE

EHealth Hub For Cancer is funding 5 PhD students to work on cutting-edge cancer health data science research.

The program is being coordinated by **Aedin Culhane** in the School of Medicine, University of Limerick, Ireland, and the team is looking for students with a **background in statistics, epidemiologists, bioinformatics, computational biology, software engineering or a related quantitative discipline.**



Limerick Digital  
Cancer Research  
Centre



5 Fully Funded PhDs in Cancer Digital Health Real World Evidence

Project topic: Digital Health in Cancer.

Project lead: Prof Aedin Culhane

Project location: School of Medicine, University of Limerick, Queen's University Belfast

Application deadline: **June 15th, 2023**

Start date: Successful applicants should be registered by **September 2023**.

**Application Deadline: June 15, 2023**



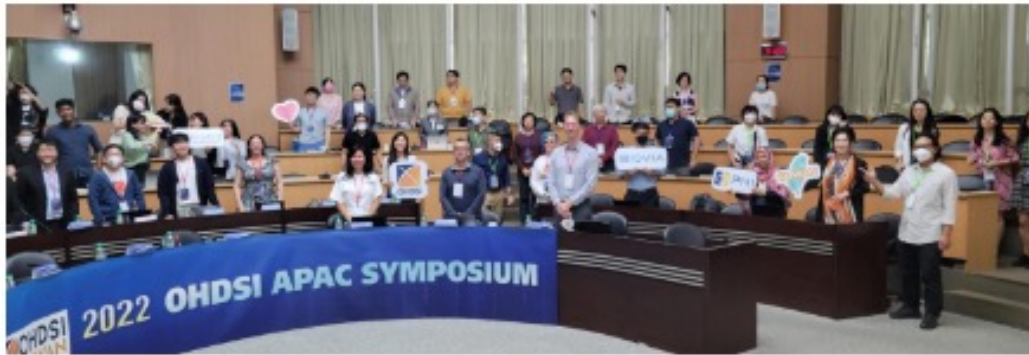
# 2023 OHDSI Symposium Schedule



## European Symposium

July 1-3 • Rotterdam, Neth.

[ohdsi-europe.org](https://ohdsi-europe.org)



## Asia-Pacific Symposium

July 13-14 • Sydney, Australia

[ohdsi.org/2023apacsymposium](https://ohdsi.org/2023apacsymposium)



## Global Symposium

Oct. 20-22 • East Brunswick, NJ, USA

[ohdsi.org/ohdsi2023](https://ohdsi.org/ohdsi2023)



# European Symposium



## European Symposium

July 1-3 • Rotterdam, Neth.

[ohdsi-europe.org](http://ohdsi-europe.org)

Time	Description	Location
8:00 – 9:00	<b>Registration and Coffee</b>	Queen's Lounge
9:00 – 9:10	<b>Welcome to the European OHDSI Journey</b> Speaker: Peter Rijnbeek, PhD, Chair, Department of Medical Informatics, Erasmus MC	Theatre
9:10 – 9:40	<b>Journey of OHDSI: Where have we been and where we can go together?</b> Speaker: Patrick Ryan, PhD, Janssen Research and Development, Department of Biomedical Informatics, Columbia University Medical Center	Theatre
9:40 – 11:00	<b>European Initiatives Using the OMOP CDM</b> Moderator: Renske Los, PhD, Assistant Professor of Medical Informatics, Department of Medical Informatics, Erasmus MC Multiple presentations of European Projects and Initiatives	Theatre
11:00 – 11:30	<b>Coffee Break</b>	Queen's Lounge
11:30 – 12:45	<b>Collaborator Showcase: Rapid fire presentations</b> Moderator: Katia Verhamme, MD, Associate Professor of Use and Analysis of Observational Data, Department of Medical Informatics, Erasmus MC, Rotterdam.  Abstract Selection Ongoing	Theatre
12:45 – 13:45	<b>Lunch</b>	La Fontaine & Odyssee Room
13:00 – 14:30	<b>OHDSI Collaborator Showcase</b> <b>Poster presentations and open-source software demonstrations from OHDSI collaborators:</b> <ul style="list-style-type: none"> <li>- Observational data standards and management</li> <li>- Open-source analytics development</li> <li>- National nodes</li> </ul>	La Fontaine & Odyssee Room
		<b>Early Investigators Mentor Meetings</b> Lead: Ross Williams, Department of Medical Informatics, Erasmus MC Rotterdam
14:30 – 16:00	<b>OHDSI Collaborator Showcase</b> <b>Poster presentations and open-source software demonstrations from OHDSI collaborators:</b> <ul style="list-style-type: none"> <li>- Clinical applications</li> <li>- Methodological research</li> </ul>	La Fontaine & Odyssee Room
		<b>Workgroup Q/A</b> OHDSI Workaroup Leads available for Q/A in breakout rooms
16:00 – 16:30	<b>OHDSI Community Evidence in the Spotlight</b> Selected Presentation from the Community	Theatre
16:30 – 17:45	<b>Data Analysis and Real World Interrogation Network (DARWIN EU®)</b> Multiple speakers from the DARWIN EU® Coordination Center  <u>Questions and Answers Session</u>	Theatre
17:45 – 18:00	<b>Closure</b>	Theatre
18:00 – 19:30	<b>Networking Reception</b>	Queen's Lounge



# APAC Symposium

## 2023 OHDSI Symposium Agenda

### Day 1 (July 13) • Main Conference

8:00-9:00 • Registration & light breakfast

9:00-9:20 • Welcome Session

#### Session 1: OHDSI Global

9:20-9:50 • Keynote – Engineering an open science system that builds trust, confidence and addresses the needs of regulators, clinicians, and consumers

9:50-10:20 • Transforming health: What do regulators, clinicians, and consumers really want to know about healthcare and how can OHDSI help

10:20-10:40 • break

#### Session 2: Research

10:40-11:00 • Presentation of study results

11:00-12:00 • Panel discussion – regulators, clinicians and consumers (response from stakeholders)

12:00-13:30 • Lunch & poster presentation

#### Session 3: OHDSI APAC

13:30-14:30 • OMOP/FHIR: Overcoming challenges through collaboration

14:30-15:30 • Panel discussion – APAC regional chapters

15:30-16:00 • Closing remarks

16:00-17:30 • Networking reception

### Day 2 (July 14) • Tutorials

Tutorials will be led by Patrick Ryan, Martijn Schuemie, Marc Suchard, Mui Van Zandt, Nicole Pratt, and others on the topic of “How to run a network study.”

9:00-10:20 • ETL

10:20-10:40 • break

10:40-12:00 • Characterization

12:00-13:00 • break

13:00-15:00 • Population-Level Estimation

15:00-15:20 • break

15:20-17:20 • Patient-Level Prediction



## Asia-Pacific Symposium

July 13-14 • Sydney, Australia

[ohdsi.org/2023apacsymposium](https://ohdsi.org/2023apacsymposium)



# Job Openings – This Week In OHDSI page



**OMOP Data Analyst**

[Apply](#)

Wayne, PA, United States of America

Full time  
Posted 5 Days Ago  
R1363929

**OMOP Data Analyst**  
Job Overview  
Under broad guidance, performs data analytics activities related to complex business problems and issues to provide insight to decision makers. May provide analytic support for internal project teams and for external client consulting or services engagements.

**Essential Functions**

- Under broad guidance, performs quantitative or qualitative analyses to support the development of solutions for internal or external client project teams.
- Identifies and interprets trends and patterns in datasets to support the development of recommendations.
- Constructs impact assessment based on business data and market knowledge. Creates specifications for reports and analysis based on business needs and required or available data elements.
- May directly produce datasets and reports for analysis using system reporting tools.
- Verifies data for accuracy and completeness.
- May manipulate and transform data to optimize analyses.
- Performs audits of own work or that of others to ensure conformance with established procedures or to resolve routine issues.
- May work with stand alone data systems or enterprise wide tools supporting activities such as inquiry resolution, data validation, and trend analysis.
- SQL programming is a must.
- OMOP data model work experience is required.
- Experience with clinical data, EHR or pharmaceutical data is required.

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**IQVIA** is a world leader in using data, technology, advanced analytics, and expertise to help customers drive healthcare – and human health – forward. Together with the companies we serve, we are enabling a more

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**COLUMBIA** UNIVERSITY  
DEPARTMENT OF BIOMEDICAL INFORMATICS

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## Tenure Track Faculty

#105752

**Description**

The Department of Biomedical Informatics (DBMI) of Columbia University seeks exceptional junior-level faculty members in the tenure track.

The positions are open to researchers interested in developing and applying informatics theory and achieving tangible benefits to health care and biology. Three particular foci are (1) machine learning for healthcare and health-related data science, (2) health information technology-based interventions to improve health care and the health of individuals and populations, and (3) translational bioinformatics.

**Open Rank- Tenure Track of Internal Medicine in Translational Informatics**  
Albuquerque, NM, United States | req23346

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**Open Rank- Tenure Track of Internal Medicine in Translational Informatics**

Posting Number	req23346
Employment Type	Faculty
Faculty Type	Open Rank
Hiring Department	IM Translations Informatics (B52T)
Academic Location	School of Medicine
Benefits Eligible	The University of New Mexico provides a comprehensive package of benefits including medical, dental, vision, and life insurance. In addition, UNM offers educational benefits through the tuition remission and dependent education programs. See the <a href="#">Benefits</a> home page for more information.
Position Summary	The University of New Mexico, Health Sciences Center, Department of Internal Medicine, seeks a faculty member to join the Division of Translational Informatics. This position is at the Open rank and Tenure track. While the focus of the position is research-oriented, optionally, the position affords the opportunity to have a joint clinical appointment for part-time clinical service with the University of New Mexico, and/or the Raymond G. Murphy VA Medical Center. Salary will be commensurate with experience and education.

## Software Dev Analyst II - Res - G&C - CTSI

Job ID: REF9053H  
Date posted: 2/20/2023

Employment Type: Full Time  
Shift: Days  
Location: Boston, MA

Boehringer Ingelheim is an equal opportunity global employer who takes pride in maintaining a diverse and inclusive culture. We embrace diversity of perspectives and strive for an inclusive environment which benefits our employees, patients and communities.

## Senior Associate Director, Real World Data & Analytics (Remote)-232633

**Description:**  
The purpose of this job is to:

- Generate real world evidence (RWE) to support in-line and pipeline products.
- Provide statistical advice on the analysis of real world data (RWD) to various internal and external stakeholders.
- Contribute to the RWD acquisition strategy and tool evaluation.
- Participate in the development and presentation of RWE trainings.

As an employee of Boehringer Ingelheim, you will actively contribute to the discovery, development and delivery of our products to our patients and customers. Our global presence provides opportunity for all employees to collaborate internationally, offering visibility and opportunity to directly contribute to the company's success. We realize that our strength and competitive advantage lie with our people. We support our employees in a number of ways to foster a healthy working environment, meaningful work, diversity and inclusion, mobility, networking and work-life balance. Our competitive compensation and benefit programs reflect Boehringer Ingelheim's high regard for our employees.

**Duties & Responsibilities:**

- Provide expert advice in the analysis of real world data (such as medical claims, electronic health records, registries) for stakeholders in epidemiology, market access / HEOR, medical affairs, and other functional areas. These analyses may include:

Northwestern Medicine | Feinberg School of Medicine

Department of Preventive Medicine

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## Postdoctoral Fellowship in Systems Biology and Clinical Data Management

The Successful Clinical Response in Pneumonia Therapy (SCRIPT) Systems Biology Center (SCRIPT) is hiring a postdoctoral fellow to work at the intersection of systems biology and clinical data management. The fellow will collaborate with an interdisciplinary team of clinicians, biologists, geneticists, and data scientists to develop tools to improve the management of multi-faceted data to support systems biology research. Candidates should have strong software skills and an MD or PhD with research experience with Electronic Health Record data. Experience with Common Data Models, such as OMOP CDM from OHDSI, is preferred.

This position is supervised by Dr. Justin Starren and the primary appointment will be in the Division of Health and Biomedical Informatics in the Department of Preventive Medicine. Northwestern has a vibrant Informatics and Data Science research community, with the Institute of Augmented Intelligence in Medicine and AI@NU. We are located in downtown Chicago, which has been voted the best big city in the United States for six years running.

**Research Programmer Analyst (RPA) Remote/Hybrid**

IT EDW Operations  
Full Time  
72873BR

**Job Summary**

Work as a Research Programmer Analyst (RPA) on a small team to develop, operate, and maintain ETL processes, clinical data warehouses, and associated data products for health research.

The RPA's role is multi-faceted, involving domain knowledge (clinical data, research informatics), technical expertise, and communication skills. The RPA will operate, monitor, and enhance existing ETL processes and infrastructure, develop data profiles, perform quality assessments, investigate data anomalies, and create/maintain related documentation and annotated data dictionaries. The RPA will routinely communicate with researchers, clinicians, data scientists, and other stakeholders to stay aligned with needs and understand data requirements and translate them into efficient, well-documented ETL solutions.

The RPA will support multiple projects and data assets, including the PCORnet CDM (and related research projects), the UC Health Data Warehouse (UC HDW Operational OMOP), and the 'All of Us' Research Program.

Responsibilities include, but are not limited to the following:

- Work closely with researchers, data scientists, and other stakeholders to understand their data requirements and translate them into efficient ETL solutions.
- Develop, implement, and maintain ETL processes using SSIS and T-SQL stored procedures to extract, transform, and load data from Epic EHR and other sources into common data models like PCORnet CDM and OHDSI's OMOP.
- Ensure data quality and integrity throughout the ETL process by performing data mapping, transformation, and validation.
- Optimize ETL processes for performance, scalability, and reliability, identifying and resolving bottlenecks as needed.
- Collaborate with team members to integrate data from disparate sources and ensure seamless data flow for research purposes.
- Maintain up-to-date knowledge of the healthcare domain, including clinical terminologies, workflows, data standards, and regulations.
- Adhere to data security best practices and ensure compliance with privacy regulations like HIPAA.
- Provide (and request) technical support and guidance to (and from) other team members as needed.
- Contribute to project management, setting priorities, and meeting deadlines.

To see the salary range for this position (we recommend that you make a note of the job code and use that to look up): [UCSF Non-Academic Titles Search \(ucsf.edu\)](#)

Please note: The compensation ranges listed online for roles not covered by a bargaining unit agreement are very wide, however a job offer will typically fall in the range of 80% - 120% of the established mid-point. An offer will take into consideration the experience of the final candidate AND the current salary level of individuals working at UCSF in a similar role.

For roles covered by a bargaining unit agreement, there will be specific rules about where a new hire would be placed on the range.

To learn more about the benefits of working at UCSF, including total compensation, please visit: <https://ucsfnet.universityofcalifornia.edu/compensation-and-benefits/index.html>



# Where Are We Going?

**Any other announcements  
of upcoming work, events,  
deadlines, etc?**





# Three Stages of The Journey

**Where Have We Been?**

**Where Are We Now?**

**Where Are We Going?**



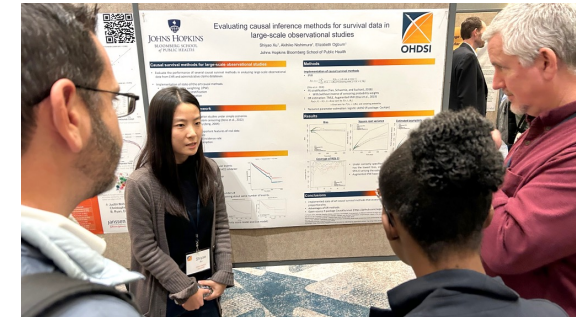
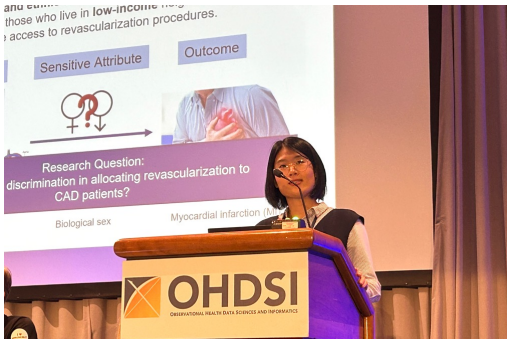




# May 30 Community Call: Collaborator Showcase Brainstorm

Please join our May 30 community call for a session of community brainstorms as we prepare for the collaborator showcase.

All brief report submissions for the 2023 Global Symposium (Oct. 20-22, East Brunswick, NJ, USA) are due June 16.

We had a record-setting number of submissions in 2022 and are EXTENDING the collaborator showcase this year!



 **Submission Form** 

**Showcase Details** 