



State Of The Open-Source Community

OHDSI Community Call
April 26, 2022 • 11 am ET



Upcoming OHDSI Community Calls

Date	Topic
May 3	DARWIN EU
May 10	Mother's Day-Themed Breakouts
May 17	OHDSI Debates
May 24	Open Studies
May 31	Workgroup OKRs



Upcoming OHDSI Community Calls

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May 3 Community Call: DARWIN EU



Peter Rijnbeek

Head of the Department
of Medical Informatics
Erasmus Medical Center



Dani Prieto-Alhambra

Professor
**University of Oxford and
Erasmus Medical Center**

Real-world healthcare data

**Erasmus MC contracted to
establish DARWIN EU®
Coordination Centre for
the European Medicines
Agency**

The Erasmus MC will work closely with the European Medicines Agency on the establishment of the Coordination Centre for the Data Analysis and Real World Interrogation Network (DARWIN EU®).



Three Stages of The Journey

Where Have We Been?

Where Are We Now?

Where Are We Going?





OHDSI Shoutouts!



Congratulations to the team of **Katie Bradwell, Jacob Wooldridge, Benjamin Amor, Tellen Bennett, Adit Anand, Carolyn Bremer, Yun Jae Yoo, Zhenglong Qian, Steven Johnson, Emily Pfaff, Andrew Girvin, Amin Manna, Emily Niehaus, Stephanie Hong, Xiaohan Tanner Zhang, Richard Zhu, Mark Bissell, Nabeel Qureshi, Joel Saltz, Melissa Haendel, Christopher Chute, Harold Lehmann, and Richard Moffitt (on behalf of the N3C Consortium)** on the publication of **Harmonizing units and values of quantitative data elements in a very large nationally pooled electronic health record (EHR) dataset in JAMIA.**

Journal of the American Medical Informatics Association, 00(0), 2022, 1–12
<https://doi.org/10.1093/jamia/ocac054>
Research and Applications

AMIA
INFORMATICS PROFESSIONALS, LEADING THE WAY.



Research and Applications

Harmonizing units and values of quantitative data elements in a very large nationally pooled electronic health record (EHR) dataset

Katie R. Bradwell¹, Jacob T. Wooldridge², Benjamin Amor¹, Tellen D. Bennett³, Adit Anand², Carolyn Bremer², Yun Jae Yoo², Zhenglong Qian², Steven G. Johnson⁴, Emily R. Pfaff⁵, Andrew T. Girvin¹, Amin Manna¹, Emily A. Niehaus¹, Stephanie S. Hong⁶, Xiaohan Tanner Zhang⁷, Richard L. Zhu⁷, Mark Bissell¹, Nabeel Qureshi¹, Joel Saltz², Melissa A. Haendel⁸, Christopher G. Chute⁹, Harold P. Lehmann⁷, and Richard A. Moffitt¹⁰; on behalf of the N3C Consortium

¹Palantir Technologies, Denver, Colorado, USA, ²Department of Biomedical Informatics, Stony Brook University, Stony Brook, New York, USA, ³Section of Informatics and Data Science, Department of Pediatrics, University of Colorado School of Medicine, University of Colorado, Aurora, Colorado, USA, ⁴Institute for Health Informatics, University of Minnesota, Minneapolis, Minnesota, USA, ⁵Department of Medicine, North Carolina Translational and Clinical Sciences Institute, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina, USA, ⁶School of Medicine, Section of Biomedical Informatics and Data Science, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA, ⁷Department of Medicine, Johns Hopkins, Baltimore, Maryland, USA, ⁸Center for Health AI, University of Colorado, Aurora, Colorado, USA, and ⁹Schools of Medicine, Public Health, and Nursing, Johns Hopkins University, Baltimore, Maryland, USA

Corresponding Author: Richard A. Moffitt, PhD, Department of Biomedical Informatics, Stony Brook University, MART L7 0810, Stony Brook, NY 11794, USA; richard.moffitt@stonybrookmedicine.edu

Received 21 December 2021; Revised 25 March 2022; Editorial Decision 28 March 2022; Accepted 8 April 2022

ABSTRACT

Objective: The goals of this study were to harmonize data from electronic health records (EHRs) into common units, and impute units that were missing.

Materials and Methods: The National COVID Cohort Collaborative (N3C) table of laboratory measurement data—over 3.1 billion patient records and over 19 000 unique measurement concepts in the Observational Medical Outcomes Partnership (OMOP) common-data-model format from 55 data partners. We grouped ontologically similar OMOP concepts together for 52 variables relevant to COVID-19 research, and developed a unit-harmonization pipeline comprised of (1) selecting a canonical unit for each measurement variable, (2) arriving at a formula for conversion, (3) obtaining clinical review of each formula, (4) applying the formula to convert data values in each unit into the target canonical unit, and (5) removing any harmonized value that fell outside of accepted value ranges for the variable. For data with missing units for all the results within a lab test for a data partner, we compared values with pooled values of all data partners, using the Kolmogorov-Smirnov test.

Results: Of the concepts without missing values, we harmonized 88.1% of the values, and imputed units for 78.2% of records where units were absent (41% of contributors' records lacked units).

Discussion: The harmonization and inference methods developed herein can serve as a resource for initiatives aiming to extract insight from heterogeneous EHR collections. Unique properties of centralized data are harnessed to enable unit inference.



OHDSI Shoutouts!



Congratulations to the team of **Kristina Bardenheuer, Michel Van Speybroeck, Clare Hague, Enkeleida Nikai, and Martin Price** on the publication of **Haematology Outcomes Network in Europe (HONEUR)** – a collaborative, interdisciplinary platform to harness the potential of Real-World Data in hematology in the European Journal of Haematology.

European Journal of
Haematology



ORIGINAL ARTICLE

Haematology Outcomes Network in Europe (HONEUR) – a collaborative, interdisciplinary platform to harness the potential of Real-World Data in hematology

Kristina Bardenheuer ✉, Michel Van Speybroeck, Clare Hague, Enkeleida Nikai, Martin Price

First published: 23 April 2022 | <https://doi.org/10.1111/ejh.13780>

This article has been accepted for publication and undergone full peer review but has not been through the copyediting, typesetting, pagination and proofreading process, which may lead to differences between this version and the Version of Record. Please cite this article as doi: 10.1111/ejh.13780.

PDF TOOLS SHARE

Abstract

Introduction

There remains a need to optimize treatments and improve outcomes among patients with hematologic malignancies. The timely synthesis and analysis of real-world data could play a key role.



OHDSI Shoutouts!



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

Have a study published? Please send to sachson@ohdsi.org so we can share 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
Tuesday	3 pm	OMOP CDM Oncology Outreach/Research Subgroup
Wednesday	10 am	FHIR and OMOP Digital Quality Measurements Subgroup (ZOOM)
Wednesday	12 pm	Latin America
Thursday	12 pm	FHIR and OMOP Oncology Subgroup
Thursday	1 pm	OMOP CDM Oncology Vocabulary/Development Subgroup
Thursday	6 pm	FHIR and OMOP Terminologies Subgroup (ZOOM)
Friday	9 am	GIS – Geographic Information System Development
Friday	10:30 am	Clinical Trials
Tuesday	10 am	Common Data Model

www.ohdsi.org/upcoming-working-group-calls



Get Access To Different Teams/WGs/Chapters



OHDSI

OBSERVATIONAL HEALTH DATA SCIENCES AND INFORMATICS

Who We Are ▾ OHDSI Updates & News ▾ Standards ▾ Software Tools ▾ OHDSI Studies ▾ Book of OHDSI ▾ Resources ▾ New To OHDSI? ▾

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Learn About Our Workgroups
Join Our Teams Environment
Pick Working Groups, Studies To Join
Best Practices in MS Teams

Welcome to OHDSI!

The Observational Health Data Sciences and Informatics (or OHDSI, pronounced "Odyssey") program is a multi-stakeholder, interdisciplinary collaborative to bring out the value of health data through large-scale analytics. All our solutions are open-source.

OHDSI has established an international network of researchers and observational health databases with a central coordinating center housed at Columbia University.

Read more [about us](#), about [our goals](#), and how you can [help support the OHDSI community](#).

2022 OHDSI Symposium

The 2022 OHDSI Symposium will be held Oct. 14-16 at the Bethesda North Marriott Hotel & Conference Center, and registration has opened.

We will hold the main conference on Friday, Oct. 14, which will include our collaborator showcase. On Saturday, Oct. 15, we will hold a full-day tutorial called "An Introductory Journey From Data To Evidence." There will be other community activities during the weekend as well. Please check out the symposium home page to learn more and register!

2022 OHDSI Global Symposium

5. Select the workgroups you want to join (you can refer to the WIKI for work group objectives www.ohdsi.org/web/wiki/doku.php?id=projects:overview)

- ☐ ATLAS
- ☐ Clinical Trials
- ☐ Common Data Model
- ☐ Data Quality Dashboard Development
- ☐ Early-stage Researchers
- ☐ Education Work Group
- ☐ Eyecare and Vision Research
- ☐ FHIR and OMOP
- ☐ Geographic Information System (GIS)
- ☐ HADES Health Analytics Data-to-Evidence Suite
- ☐ Healthcare Systems Interest Group (formerly EHR)
- ☐ Health Equity
- ☐ Latin America
- ☐ Medical Devices
- ☐ Medical Imaging
- ☐ Natural Language Processing
- ☐ OHDSI APAC
- ☐ OHDSI APAC Steering Committee
- ☐ OHDSI Steering Committee
- ☐ Oncology
- ☐ Open-source Community

- ☐ Phenotype Development and Evaluation
- ☐ Population-Level Effect Estimation / Patient-Level Prediction
- ☐ Psychiatry
- ☐ Registry (formerly UK Biobank)
- ☐ Vaccine Evidence

6. Select the chapter(s) you want to join

- ☐ Africa
- ☐ Australia
- ☐ China
- ☐ Europe
- ☐ Japan
- ☐ Korea
- ☐ Singapore
- ☐ Taiwan

You can print a copy of your answer after you submit

Submit



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www.ohdsi.org

#JoinTheJourney

ohdsi

Get Access To Different Teams/WGs/Chapters



General Posts Files **Join Work groups, Chapters, and Studies** Meet

OHDSI MTeams Work groups, Chapters, and Studies Registration

OHDSI is using MTeams to further encourage active collaboration within the community. Within the OHDSI organization, there are separate teams for work groups, chapters, and studies, as well as OHDSI community activities (such as the OHDSI2020 Symposium). All teams are open to all collaborators. Below please indicate which Team you would like to join and the OHDSI coordinating center team will grant access.

* Required

1. First and Last Name *

Enter your answer

OHDSI has established an international network of researchers and observational health databases with a central coordinating center based at Columbia University.

Closing Ceremony that focused on OHDSI's work through the perspective of a patient.

There were also a pair of full-day activities, including the first OHDSI Reproducibility...

5. Select the workgroups you want to join (you can refer to the WIKI for work group objectives www.ohdsi.org/web/wiki/doku.php?id=projects:overview)

<input type="checkbox"/> ATLAS	<input type="checkbox"/> Phenotype Development and Evaluation
<input type="checkbox"/> Clinical Trials	<input type="checkbox"/> Population-Level Effect Estimation / Patient-Level Prediction
<input type="checkbox"/> Common Data Model	<input type="checkbox"/> Psychiatry
<input type="checkbox"/> Data Quality Dashboard Development	<input type="checkbox"/> Registry (formerly UK Biobank)
<input type="checkbox"/> Early-stage Researchers	<input type="checkbox"/> Vaccine Evidence
<input type="checkbox"/> Education Work Group	
<input type="checkbox"/> Eyecare and Vision Research	
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<input type="checkbox"/> Geographic Information System (GIS)	<input type="checkbox"/> Africa
<input type="checkbox"/> HADES Health Analytics Data-to-Evidence Suite	<input type="checkbox"/> Australia
<input type="checkbox"/> Healthcare Systems Interest Group (formerly EHR)	<input type="checkbox"/> China
<input type="checkbox"/> Health Equity	<input type="checkbox"/> Europe
<input type="checkbox"/> Latin America	<input type="checkbox"/> Japan
<input type="checkbox"/> Medical Devices	<input type="checkbox"/> Korea
<input type="checkbox"/> Medical Imaging	<input type="checkbox"/> Singapore
<input type="checkbox"/> Natural Language Processing	<input type="checkbox"/> Taiwan
<input type="checkbox"/> OHDSI APAC	
<input type="checkbox"/> OHDSI APAC Steering Committee	
<input type="checkbox"/> OHDSI Steering Committee	
<input type="checkbox"/> Oncology	
<input type="checkbox"/> Open-source Community	

You can print a copy of your answer after you submit

Submit



OHDSI Dev Con

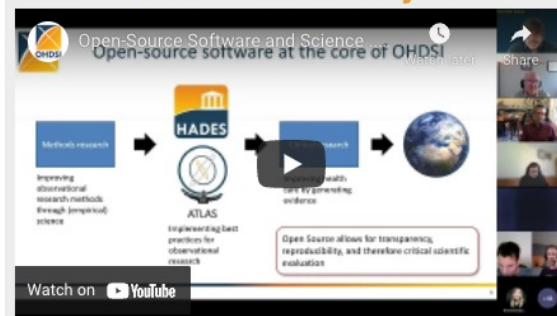
OHDSI DevCon 2022 Welcomes & Mentors New Contributors To Our Open-Source Environment

The Open-Source Community hosted the first Dev Con on Friday, April 22 as a way of accepting and mentoring new contributors to our environment. Organized by **Paul Nagy** and **Adam Black**, the event included eight workshops, talks and a panel discussion to both welcome and engage both current and future developers within OHDSI.

All videos from this session have or will be uploaded to this page. A big announcement from DevCon was the formation of the Khieron Contributor Cohort, which will help onboard and mentor open-source developers in the community. If you are interested in joining the effort, [please fill out the application](#).

To learn more about the Khieron Contributor Cohort, please check out the State of the Open Source Community presentation below.

OHDSI DevCon Keynote



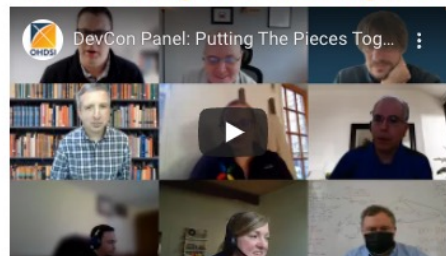
Martijn Schuemie provided the keynote address during DevCon 2022, entitled "Open-Source Software and Science ... Obviously." [His slides are available here](#).

State Of The Community Presentation



Agenda

Panel: Putting The Pieces Together



State Of The Community Presentation



Agenda

The event began at 8 am with several workshops that were held over the first two hours of the session. Each workshop will be loaded below the agenda.

8 am: ATLAS (**Anthony Sena**); HADES Introduction (**Adam Black**),
8:30 am: WebAPI (**Anthony Sena**); CohortDiagnostics (**James Gilbert**)
9 am: WhiteRabbit/Rabbit in a Hat (**Maxim Moinat**); Patient-Level Prediction (**Jenna Repts**)
9:30 am: Data Quality Dashboard (**Clair Blacketer**); Cyclops (**Marc Suchard**)

At 10 am, both **Paul Nagy** and **Adam Black** shared [the State of the Open-Source Community presentation](#). That talk led into [the keynote talk](#), which was given by **Martijn Schuemie**.

The event closed with [an industry panel discussion](#) around the theme of "Putting The Pieces Together." The panelists included OHDSI's **Lee Evans** (Broadsea), Microsoft's **Cory Stevenson** (OHDSI on Azure), AWS's **James Wiggins** (OHDSI on AWS), and Google's **Vivian Neilley** (OHDSI on Google Cloud).

[Click Here To Apply For The 2022-23 Khieron Contributor Cohort](#)

[Join The Open-Source Community Workgroup in MS Teams](#)

www.ohdsi.org/devcon2022



OHDSI Dev Con

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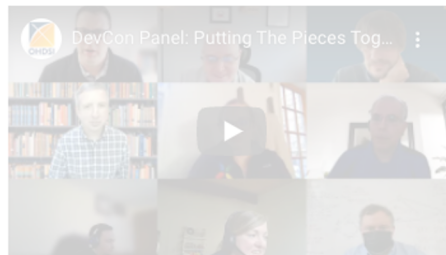
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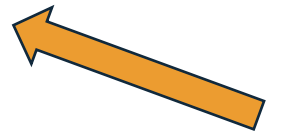
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[Click Here To Apply For The 2022-23 Khieron Contributor Cohort](#)


[Join The Open-Source Community Workgroup in MS Teams](#)

www.ohdsi.org/devcon2022





Khieron Contributor Cohort Application

**OHDSI**
OBSERVATIONAL HEALTH DATA SCIENCES AND INFORMATICS

Khieron Contributor Cohort Application Form

If you are interested in joining the first OHDSI Khieron Contributor Cohort, please fill out this form.

Email *

Valid email

This form is collecting emails. [Change settings](#)

Name *

Short answer text

Describe your interest and prior experience with OHDSI open source software. *

Long answer text

Describe your prior experience with software development (languages used, projects you've worked on, etc.) *

Long answer text

Please provide your github username. *

Short answer text

Are you able to commit 200 hrs (~4 hrs/week or 10% of your time) for the next year? *

☐ Yes


☐ No

Provide your resume/CV. *

[View folder](#)



OHDSI Dev Con



OHDSI

OBSERVATIONAL HEALTH DATA SCIENCES AND INFORMATICS

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Welcome

The Observational Health Data Sciences and Informatics (or OHDSI) program is a multi-institutional, collaborative to bring together data scientists and clinicians through large-scale analytics. All our solutions are open-source.

2022 OHDSI Symposium

The 2022 OHDSI Symposium will be held Oct. 14-16 at the Bethesda North Marriott Hotel & Conference Center, and registration has opened.

We will hold the main conference on Friday, Oct. 14, which will include our collaborator showcase.



OHDSI Sponsorship

Support The Journey

OHDSI Sponsorship Helps Provide A Foundation For Our Global Research Efforts

The OHDSI community is comprised of a global team of volunteers who collaborate together using open-source tools and shared best practices to support our shared mission of generating real-world evidence that promotes better health decisions and better care. In order to foster growth in our community of nearly 3,000 volunteers across six continents, the OHDSI Coordinating Center at Columbia University has created a sponsorship program.

[Check out our OHDSI sponsors page here.](#)

This program allows both corporations and individuals to make meaningful contributions in support of OHDSI's central coordinating activities. There are three levels of support, including donation amount and benefits to the sponsor, detailed below. Any level of support enhances both our community and our mission.

Below the sponsorship level information is a section about how your sponsorship impacts our community. To learn more about OHDSI's activities, achievements and many other aspects of our global community, please search our webpage or check out our [2021 Annual Report: Our Journey](#).

Sponsorship Levels

GOLD

- Donation level: US \$500k/year
- Your logo (max size: 400x185) will be placed on [our OHDSI Sponsors page](#) with link to your home page
 - Logo placed in top section under Gold Level Sponsors heading
 - Logo placed in alphabetical order
 - Logo placed in a two-column row
- Use of OHDSI Gold Sponsor logo on your site
- Joint press release with OHDSI
- Annual meeting with OHDSI leadership to learn about current and future initiatives, and participate in an OHDSI sponsor question & answer session
- Weekly logo placement on title slide of OHDSI community call (average >=180 listeners per week)
- Logo placement on monthly "Thank You Sponsors" slide during OHDSI community call
- Sponsors Spotlight feature (Q&A with a member of your organization) placed on website and newsletter
- Monthly recognition on OHDSI Twitter (2300+ followers) and LinkedIn (3100+) pages
- Inclusion in "Thank You Sponsors" graphic in all OHDSI monthly newsletters (4200+ on mailing list)
- Listing in all OHDSI annual reports: Our Journey
- Recognition at all OHDSI in-person events



ohdsi.org/sponsorship

SILVER

- Donation level: US \$100k/year
- Your logo (max size: 225x110) will be placed on [our OHDSI Sponsors page](#) with link to your home page
 - Logo placed in middle section under Silver Level Sponsors heading
 - Logo placed in alphabetical order
 - Logo placed in a three-column row
- Use of OHDSI Silver Sponsor logo on your site
- Quote for your press release
- Annual meeting with OHDSI leadership to learn about current and future initiatives, and participate in an OHDSI sponsor question & answer session
- Logo placement on monthly "Thank You Sponsors" slide during OHDSI community call
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- Inclusion in "Thank You Sponsors" graphic in all OHDSI monthly newsletters (4200+ on mailing list)
- Listing in all OHDSI annual reports: Our Journey
- Recognition at all OHDSI in-person events



BRONZE

- Donation level: US \$25k/year
- Your logo (max size: 160x72) will be placed on our OHDSI Sponsors page with link to your home page
 - Logo placed in bottom section under Bronze Sponsors heading
 - Logo placed in alphabetical order
 - Logo placed in a four-column row
- Use of OHDSI Bronze Sponsor logo on your site
- Logo placement on monthly "Thank You Sponsors" slide during OHDSI community call
- Inclusion in "Thank You Sponsors" graphic in all OHDSI monthly newsletters (4200+ on mailing list)
- Listing in all OHDSI annual reports: Our Journey
- Recognition at all OHDSI in-person events



Why Should I Sponsor OHDSI?

The OHDSI Central Coordinating Center provides support for the OHDSI open-source community and the community's mission to improve health by empowering a community to collaboratively generate the evidence that promotes better health decisions and better care. OHDSI collaborates in many aspects of the journey from data to evidence, including open community data standards, open source software development, open methodological research, and open network clinical research.

The OHDSI central coordinating center facilitates these collaborations by providing a central shared infrastructure and coordinating community activities that allow individuals from diverse backgrounds, disciplinary perspectives, stakeholder representation, and geographies to come together for a common cause. The OHDSI central coordinating center is responsible for the maintenance and release of the OHDSI standardized vocabularies, an integrated biomedical ontology and knowledge resource that is made public and has been

What Does The OHDSI Coordinating Center Do, And How Does Your Sponsorship Impact OHDSI's Future? (presentation by George Hripcsak)



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[in](#) ohdsi



APAC Community Calls

Date	Topic
April 21	APAC Study Quarterly Updates
May 5	Cohort diagnostic tool
May 19	Mini-tutorials #1
June 2	Mini-tutorials #2
June 16	Chapter Mid-year Updates
June 30	EU Symposium Recap
July 14	APAC Study Quarterly Updates Part I
July 28	APAC Study Quarterly Updates Part II

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APAC Community Calls

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2022 OHDSI Symposium

Registration is OPEN for
#OHDSI2022!

The 2022 OHDSI Symposium
will be held Oct. 14-16 at the
Bethesda North Marriott Hotel
& Conference Center.





An Introductory Journey From Data To Evidence

OHDSI2022 Tutorial • Saturday, Oct. 15 • Bethesda, Md.



**The OHDSI Journey:
Where Are We Going?**

Patrick Ryan



**OMOP Common Data
Model and Vocabulary**

Clair Blacketer



**ETL – A Source Database
Into OMOP CDM**

Melanie Philofsky



**Creating Cohort
Definitions**

Asieh Golozar



Phenotype Evaluations

Gowtham Rao



Characterization

Kristin Kostka



Estimation

Martijn Schuemie



Prediction

Jenna Reps



**The OHDSI Journey: Where
Do We Go From Here?**

George Hripcsak



2022 European Symposium



EUROPEAN OHDSI SYMPOSIUM

Symposium: June 24th
Workshops: 25-26th

"All aboard!"

New Date!!

We'll meet again for
one journey ahead



Organised by:

Erasmus MC
University Medical Center Rotterdam
Erasmus

Health
Data
Science

www.ohdsi-europe.org/symposium-2022



Opening at Erasmus

Peter Rijnbeek's team at the Erasmus Medical Center is seeking multiple **R Programmers** to join the team.

This position will be responsible for designing, developing, documenting, and maintaining R code that will be executed against health data that is standardized to the OMOP Common Data Model.

> R programmer for Health Data Science

Published	Deadline	Location
14 Apr	tomorrow	Rotterdam

JOB DESCRIPTION

The [Health Data Science group](#) at the Department of Medical Informatics is looking for multiple experienced R programmers to develop open source analytics.

You will be responsible for designing, developing, documenting, and maintaining R code that will be executed against health data that is standardized to the OMOP Common Data Model (OMOP-CDM). This data model is maintained by the [Observational Health Data Sciences and Informatics \(OHDSI\)](#) initiative. The Department is leading the [European Health Data and Evidence Network \(EHDEN\)](#) project in which a large data network is created with data sources that are mapped to this data model. Your work will enable the use of health data at an unprecedented scale in Europe and will facilitate the execution of impactful studies to improve patient care. We recommend applicants to review the [Health Analytics Data-to-Evidence Suite \(HADES\)](#) developed by OHDSI to get an understanding of the growing set of R packages.

> Apply now
(one day remaining)



Specifications

- IT
- Health
- max. 36 hours per week
- €3125—€4284 per month
- Higher professional education
- 15.21.22.TG-P926466-1

Employer



Erasmus MC (University Medical Center Rotterdam)

[Learn more about this employer](#)

Location

's-Gravendijkwal 230, 3015 CE, Rotterdam

Deadline: Tomorrow!



Opening at Oxford

Dani Prieto-Alhambra's team at Oxford is recruiting a **Database Programmer** to join the team.

This position will contribute to the standardization and curation of large real world data from the UK and collaborate with the OHDSI, EHDEN and OPTIMA Oncology teams.




UNIVERSITY OF
OXFORD

UK date and time: 19-April-2022 15:10

Applicant Options

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Job Details

Database Programmer

NDORMS, Botnar Research Centre, Windmill Road, Oxford, OX3 7LD

The Big Health Data Research group and the Pharmaco- and Device epidemiology research group, led by Prof Prieto-Alhambra, require an enthusiastic and skilled computer scientist or software engineer with strong programming experience, an interest in Relational Database Management Systems (RDBMSs) and a proven capacity to design and deliver database programming software. This position would ideally suit an individual who wishes to pursue a career in the growing field of health and/or biomedical informatics using standardised models for the management of real-world clinical data. We are part of the Observational Health Data Sciences and Informatics (OHDSI) community, which utilises the OMOP Common Data Model (CDM) to standardise medical data coming from different sources. The post will be based at the Botnar Research Centre, Windmill Road, Oxford, UK.

In the role you will develop new database applications for big clinical data to meet project requirements and deadlines, carry out software improvement, extension, integration and further development on existing code and develop code to validate, test, document and maintain database applications. You will also represent the project, team, and the University in collaboration meetings, conferences and at external meetings and work collaboratively with colleagues in other research groups, other departments, and partner institutions around the world as required by the projects

A degree in computer science, software engineering, health informatics or an equivalent combination of training and professional experience, proven understanding and experience in one or more RDBMSs and SQL dialects (e.g. PostgreSQL, MySQL) and excellent skills in at least one high level programming language (e.g. Python, C++, C#, etc.) are essential. You will be a good team player and have the capacity to work independently, as well as the ability to prioritize workload when working on multiple projects and meet deadlines and capacity to communicate technical and non-technical topics effectively in writing and verbally with colleagues in any related discipline. A Master or PhD (doctorate) degree in computer science, software engineering, medical informatics or equivalent and experience working in a research environment are desirable.

This is a full-time fixed-term appointment for 2 years (in the first instance).

A lower grade offer may be made (Grade 6: £29,176 - £34,804 p.a.) with commensurate reduction in responsibilities (and amendment in job title to Database Officer) if a suitable candidate cannot be found to fill the Grade 7 position.

The closing date for this position is **12 noon on Monday 23 May 2022**. You will be required to upload a CV and supporting statement as part of your online application.

Contact Person :	HR Assistant	Vacancy ID :	157544
Contact Phone :		Closing Date & Time :	23-May-2022 12:00
Pay Scale :	STANDARD GRADE 7	Contact Email :	hr@ndorms.ox.ac.uk
Salary (£) :	£33,309 - £40,927		

Click on the link(s) below to view documents	Filesize
157544_database_programmer_JD_final.pdf	379.5

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Deadline: May 23, 2022



Next CBER Best Seminar

Topic

CBER BEST Seminar Series - Addressing Selection and Confounding Bias in Test-Negative Study Designs for Flu and COVID-19 Monitoring

Description: The test-negative design (TND) has become a standard approach to evaluate vaccine effectiveness against the risk of acquiring infectious diseases such as Influenza, Rotavirus, Dengue fever and more recently COVID-19 in real world settings. Despite the TND's potential to reduce unobserved differences in healthcare seeking behavior (HSB) between vaccinated and unvaccinated subjects, substantial variability in unobserved HSB may remain among study participants. As latent HSB is likely also a strong predictor of selection into the TND sample, confounding bias of the vaccine's causal effect by latent HSB may be induced by collider stratification bias resulting from the TND.

Speakers



Dr. Eric Tchetgen Tchetgen

Luddy Family President's Distinguished Professor @Wharton School of the University of Pennsylvania

Eric J. Tchetgen Tchetgen is the Luddy Family President's Distinguished Professor at the Wharton School of the University of Pennsylvania. Professor Tchetgen Tchetgen comes to the University of Pennsylvania from Harvard University, where he has served since 2008 as Professor of Biostatistics and Epidemiologic Methods with joint appointments in the departments of Biostatistics and Epidemiology at the T.H. Chan School of Public Health. He researches infectious diseases, including HIV/AIDS, and the role of genetic and social factors in the patterns, causes, and effects of public health. Professor Tchetgen Tchetgen has received grants from the National Institutes of Health and the Centers for Disease Control. He completed his Ph.D. in Biostatistics at Harvard University in 2006 under the supervision of Professor James M. Robins. He received his B.S. in Electrical Engineering from Yale University in 1999.

Tomorrow, 11 am ET



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?



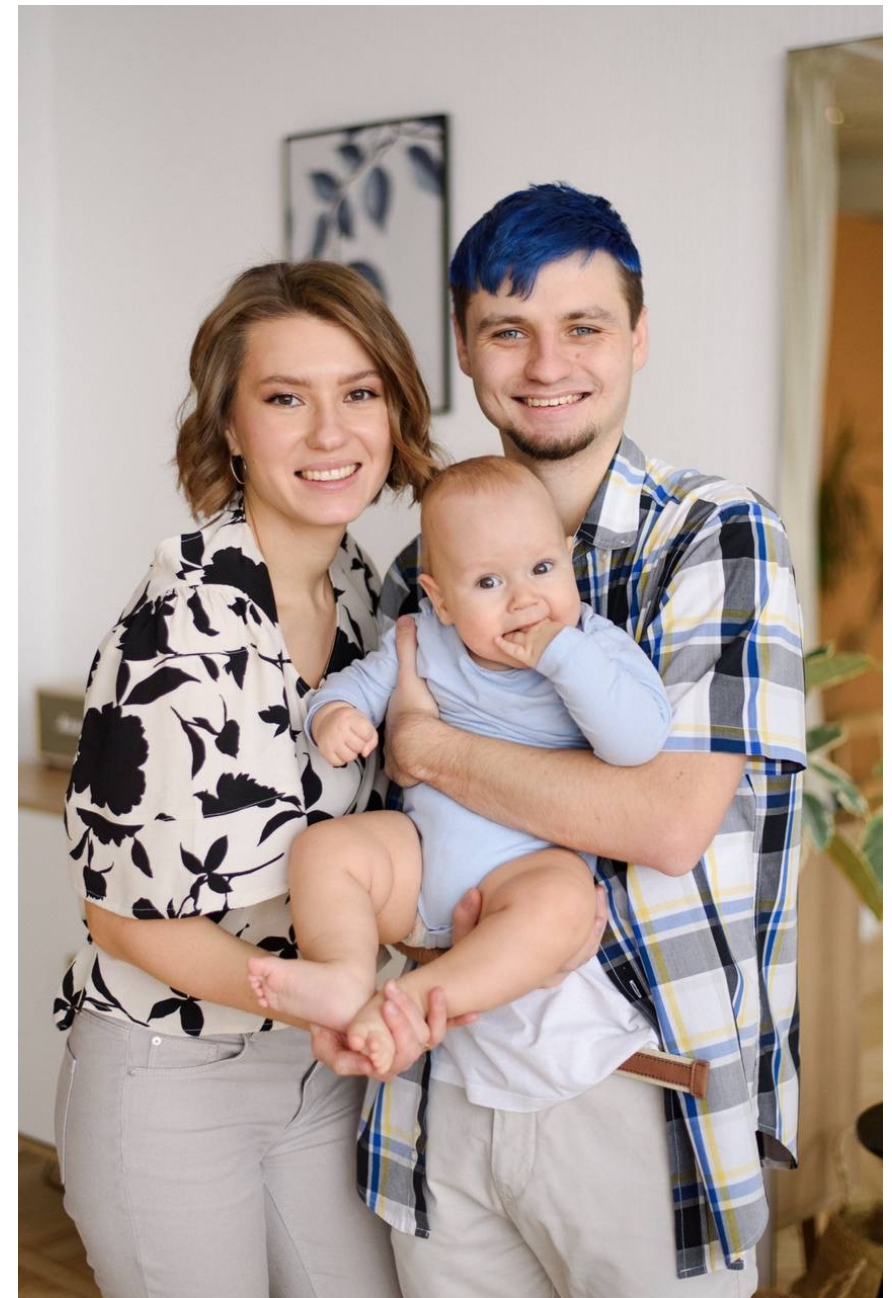


Eduard Korchmar

“Eddy” or “Edik”

From Kharkiv, Ukraine

- With OHDSI since 2017
- Special expertise:
Drug and Procedure vocabularies
SNOMED
ICDO3





April 26 Community Call: Open Source Community



Panel Discussion Review

Lee Evans
Owner •
LTS Computing LLC



Keynote Summation

Martijn Schuemie
Research Fellow,
Epidemiology Analytics •
Janssen Research and
Development



State Of Open- Source Community

Paul Nagy
Associate Professor •
Johns Hopkins School of
Medicine



State Of Open- Source Community

Adam Black
Data Sciences •
Odysseus Data Services