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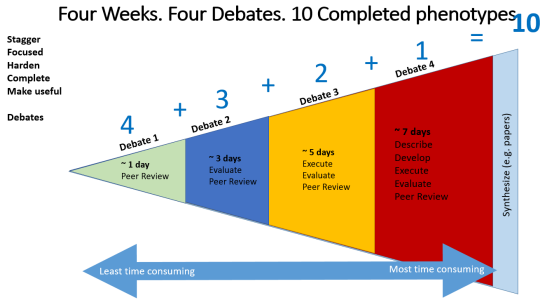
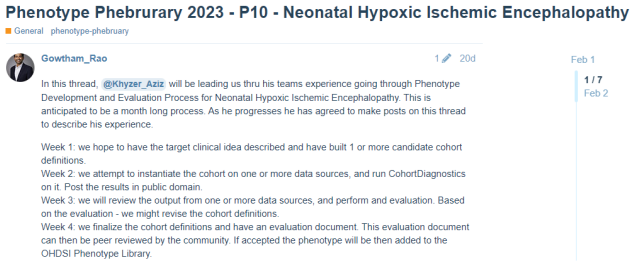
What did you learn during Phenotype Phebruary 2023?

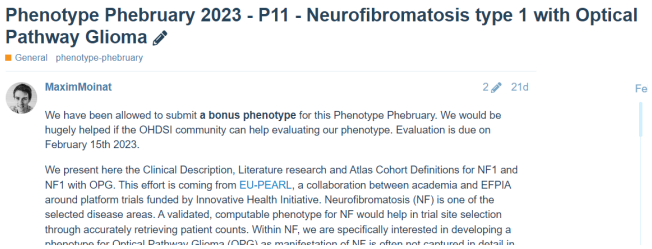
Top

No responses received yet. They will appear here...

What happened in Week 4

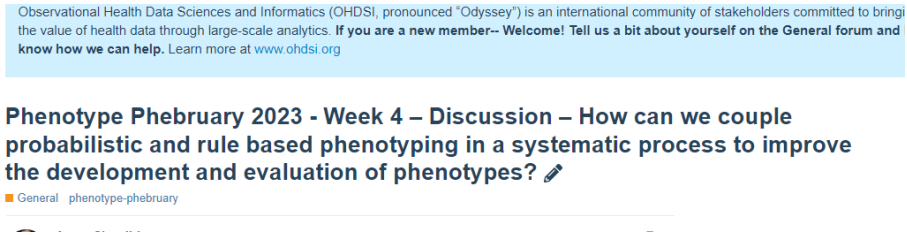






https://forums.ohdsi.org/t/phenotype-phebrurary-2023-p10-neonatal-hypoxic-ischemic-encephalopathy/18189

https://forums.ohdsi.org/t/phenotype-phebruary-2023-p11-neurofibromatosis-type-1-with-optical-pathway-glioma/18236



Continued evaluation: *Parkinson's Disease, Dermatomyositis, ST Elevated Myocardial Infarction*

What happened during Phenotype Phebruary 2023

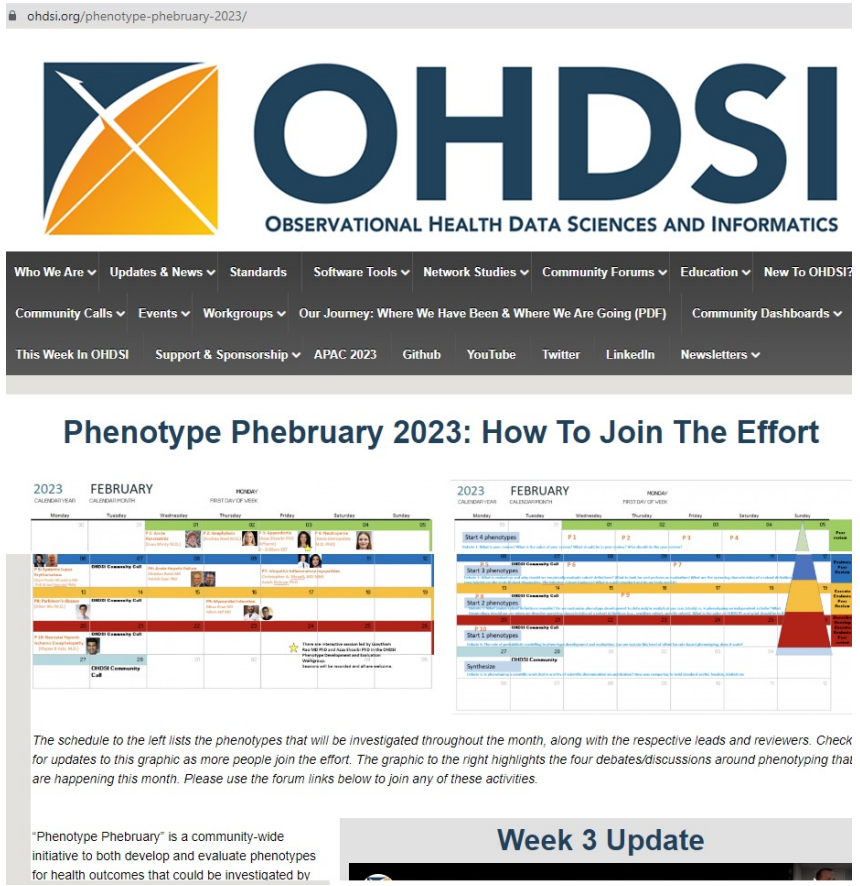
https://www.ohdsi.org/phenotype-phebruary-2023/

0:00 Respond at **PollEv.com/patrickryan800**

What do you want to see accomplished during Phenotype Phebruary 2023?

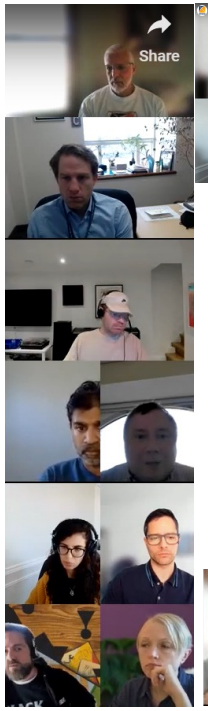
Top

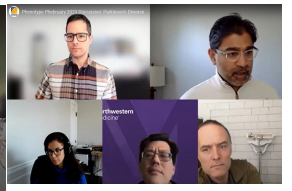
13	Comparisons with non-OHDSI phenotypes
10	Phenotypes done
8	Phenotypes with sophisticated logic (as opposed to just presence of a code from a concept set)
8	Looking at differences in phenotype definitions across data partners
8	Demonstration of the utility of diagnostics
7	Lots of participation from new members

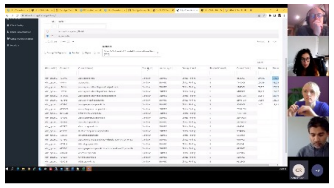


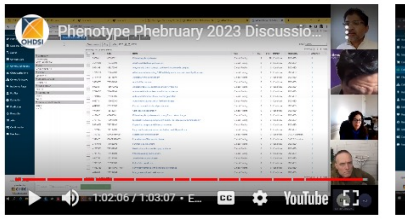
Phenotype Phebruary 2023 **in numbers**

- **11** phenotypes discussed in the forums
  - **5** phenotypes finished peer review --> library
  - **5** phenotypes developed, evaluated and on their way to peer review
- **4** debates/discussions addressed
- **7** shiny apps on data.ohdsi.org
- **32** collaborators interacted in the forums or attended calls
- **9 Publications**
  - **8 applied** publications planned
  - **1 methods** publication

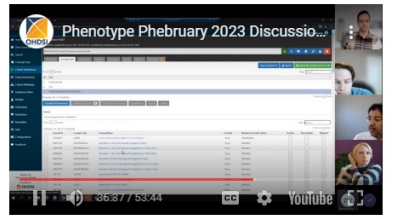




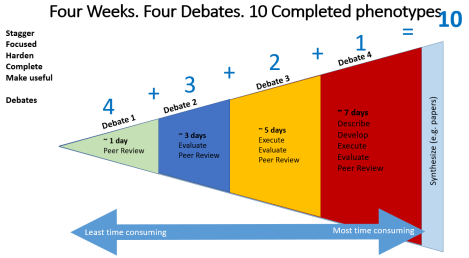


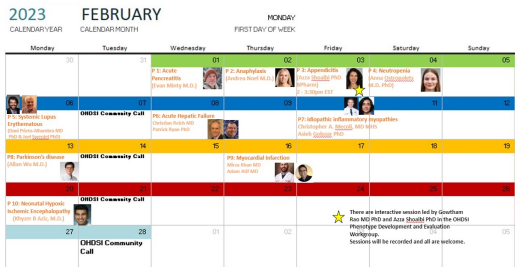


(Feb. 8) Allan Wu, MD, discusses his approach to replicate a published phenotype algorithm on OHDSI tools. He presents two phenotype algorithms, a) Unanmnity definition, and b) Tiered consensus algorithm in Atlas. Unanmnity definition demonstrates the use of future events to attain high specificity in the definition. Tiered consensus algorithm requires use of provider specialty that may need creative solutions. The group agreed to move the Unanmnity definition to an OHDSI network



(Feb. 8) Christopher Mecoli, MD, and team demonstrated progress in the development of a cohort definition for Inflammatory Dermatomyositis at Johns Hopkins University. The team discussed their experience running Cohort Diagnostics, and reviewed the results on data.ohdsi.org. They discussed the impact of design choices, specifically the use of lab values in cohort definitions. Decisions were made to improve the cohort definition logic.





Moving forward – Agenda for 2023

--> OHDSI Phenotype Development and Evaluation Workgroup

id	Publication topic	lead
P1	Multi-database evaluation and probabilistic reference standard validation of phenotype definitions for **acute pancreatitis**	*Jamie Weaver, Evan Minty*
P2	Capture of **Acute Anaphylaxis** events in observational data and its use in safety surveillance	*Andrea Noel*
P3	Phenotype development and evaluation of **Appendicitis** in a network of observational data	*Evan Minty*
P4	Development and evaluation of phenotype algorithms for **designated medical events** in a network of real-world data.	*Designated Medical Event*
P7	Application of rare disease **Adult Dermatomyositis** phenotype definition on general observational data and specialized disease registry	*Christopher Mecoli*
P8	Evaluation of **Parkinsons Disease** on observational data along with chart review using strategic sampling	*Alan Wu*
P9	Phenotype development and evaluation of **ST Elevated Myocardial Infarction** in a network of observational data	*Mirza Khan*
P10	Phenotype development and evaluation of **Hypoxic Ischemic Encephalopathy among Neonates** in a network of observational data	*Khyzer Aziz, Evan Minty*
P11	Phenotype development and evaluation of **Optical Pathway Glioma among Neonates** in a network of observational data	*Maxim Moniat*
Method	Phenotype development and evaluation in the context of observation network study: **learnings from the OHDSI community "Phenotype Phebruary".**	*Azza Shoaibi, Gowtham Rao*

OHDSI Phenotype Development and Evaluation Workgroup

- **Phenotype Phebruary 2023 has set the agenda for the OHDSI Phenotype Development and Evaluation workgroup**
- **Come join us**

Objective 1: Harden Phenotype Development and Evaluation framework

- Enable the community to complete 10 phenotypes via the current phenotype development and evaluation process using activities like Phenotype Phebruary (Timeline: 1Q 2023)
- Through scientific debate address at least 4 topics of community interest and drive community consensus (Timeline: 2Q 2023)
- Clarify terminology and scientific definitions and deliver a document that organizes such ideas (Timeline: 2Q 2023)
- Integrate probabilistic phenotyping into the OHDSI PL (Timeline: 3Q 2023)
- Write two scientific papers on phenotyping development and evaluation (Timeline: 4Q 2023)

Objective 2: Improve collaboration by enabling community wide participation on Phenotype Development and Evaluation

- In Phenotype Phebrurary have 10 Phenotypes completed and published in OHDSI Phenotype library as peer reviewed Cohort Definitions (Timeline: 1Q 2023)
- Promote clinically trained scientists by having at least 5 new clinician collaborators actively engage in Phenotype Phebruary (Timeline: 1Q 2023)

Objective 3: Promote the usage of OHDSI Phenotype library

- Complete peer review for 10 (phenotype phebruary) + 10 (additional) phenotypes added to the OHDSI Phenotype Library. (Timeline: 4Q 2023)
- Formalize submission process and perform at least 2 communication sessions on OHDSI Phenotype Library. (Timeline: 2Q 2023)
- Execute at least two OHDSI Studies that uses the Cohort Definitions in the OHDSI Phenotype library to generate characterization evidence (Timeline: 3Q 2023)
- Write a scientific paper on OHDSI Phenotype Library (Timeline: 4Q 2023)

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Community Reflections