Resources & References Related to Re-use of Computable Phenotype Definitions

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LeaRRning to Use EHR Data in Learning Health Systems: Focus on Computable Phenotypes
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Resources:

NIH Pragmatic Trials Collaboratory: https://rethinkingclinicaltrials.org/chapters/pragmatic-clinical-trial

EHR Core Working Group: https://rethinkingclinicaltrials.org/cores-and-working-groups/electronic-health-records/

Re-Thinking Clinical Trials (online textbook):

> Richesson R, Wiley LK, Gold S, Rasmussen L; for the NIH Health Care Systems Research Collaboratory Electronic Health Records Core Working Group. **Electronic Health Records–Based Phenotyping: Introduction**. In: Rethinking Clinical Trials: A Living Textbook of Pragmatic Clinical Trials. Bethesda, MD: NIH Pragmatic Trials Collaboratory. Available at: https://rethinkingclinicaltrials.org/chapters/conduct/electronic-health-records-based-phenotyping/electronic-health-records-based-phenotyping-introduction/ . Updated June 23, 2022. DOI: 10.28929/143.
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> Richesson RL, Platt R, Simon G, et al. **Using Electronic Health Record Data in Pragmatic Clinical Trials: Introduction**. In: Rethinking Clinical Trials: A Living Textbook of Pragmatic Clinical Trials. Bethesda, MD: NIH Pragmatic Trials Collaboratory. Available at: https://rethinkingclinicaltrials.org/chapters/design/using-electronic-health-record-data-pragmatic-clinical-trials-top/using-electronic-health-record-data-in-pragmatic-clinical-trials-introduction/ . Updated August 26, 2022. DOI: 10.28929/030.

The Phenotype KnowledgeBase: PheKB.org

CMS Chronic Conditions Data Warehouse, Condition Categories: https://www2.ccwdata.org/web/guest/condition-categories

HDR UK National Phenomics Resource Project: https://phenotypes.healthdatagateway.org/

Observational Health Data Sciences and Informatics (OHDSI):

> https://www.ohdsi.org/resources/libraries/phenotype-library/
>
> Phenotype Phebruary – 2022: https://forums.ohdsi.org/t/phenotype-phebruary-day-5-alzheimers-disease/15806

Blake Cameron's "A User's Guide to Computable Phenotypes" (2016):

https://scholararchive.ohsu.edu/concern/etds/p5547s09j?locale=en or
https://dcricollab.dcri.duke.edu/sites/NIHKR/KR/Blake_Users_Guide_to_Computable_Phenotypes.pdf

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(Pre-print/currently under peer review)): Rebecca T. Levinson, Jennifer R. Malinowski, Suzette J. Bielinski, Luke V. Rasmussen, Melissa P. Wilson, Sheila M. Manemann, Quinn S. Wells, Veronique L. Roger, Laura K. Wiley. **Identifying Heart Failure from Electronic Health Records: A Systematic Evidence Review**. medRxiv 2021.02.01.21250933; doi: https://doi.org/10.1101/2021.02.01.21250933

Richesson RL, Smerek MM, Blake Cameron C. **A Framework to Support the Sharing and Reuse of Computable Phenotype Definitions Across Health Care Delivery and Clinical Research Applications**. EGEMS (Wash DC). 2016 Jul 5;4(3):1232. doi: 10.13063/2327-9214.1232. PMID: 27563686; PMCID: PMC4975566.

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