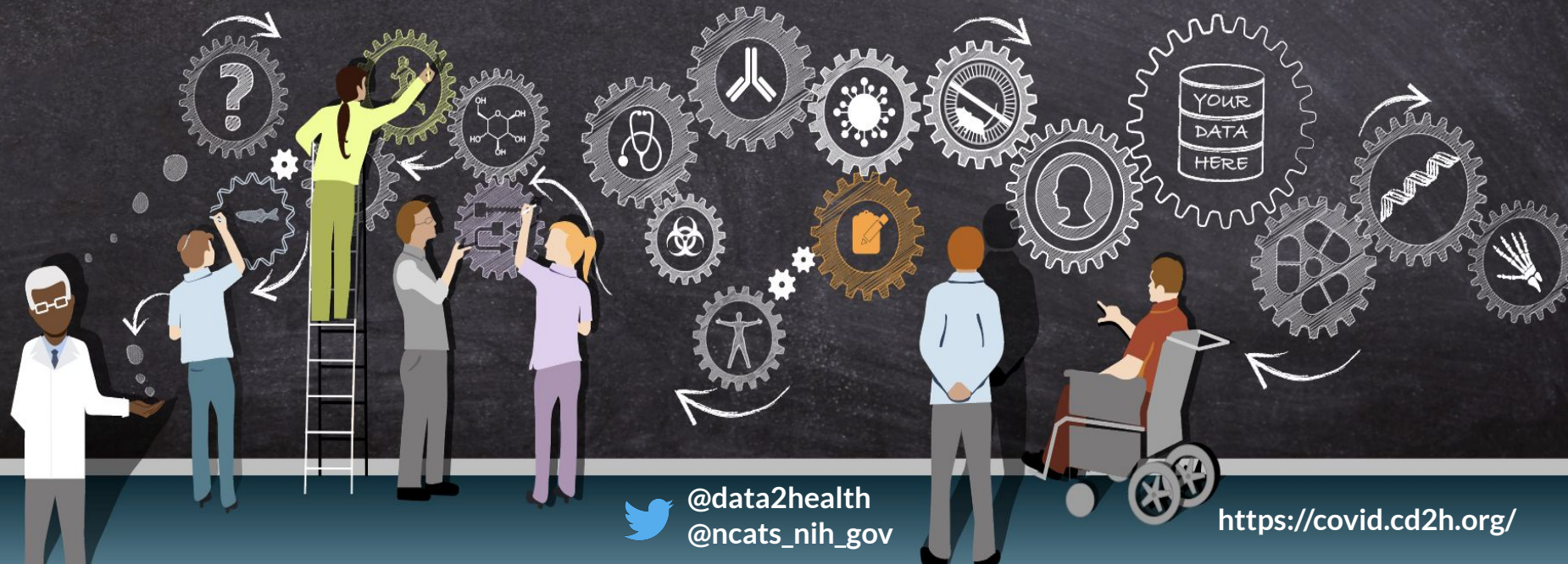


Syllabus and Course Structural Overview

Education and Training Domain Team Short Course, Spring 2024

Jerrod Anzalone, University of Nebraska
Sharon Patrick, West Virginia University





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Syllabus



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FOR DATA TO HEALTH



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Introduction to Analyzing Real-World Data Using the National COVID Cohort Collaborative (N3C) Spring 2024 - N3C Education and Training Domain Team

Organizers/Instructors

Jerrold Anzalone, MS

University of Nebraska Medical Center

Will Beasley, PhD

University of Oklahoma Health Sciences Center

Stephanie Hong, FAMIA

Johns Hopkins University

Johanna Loomba, ME

University of Virginia

Shawn O'Neil, PhD, MS

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West Virginia University

Ken Wilkins, PhD

*National Institute of Diabetes and Digestive and
Kidney Diseases*

Andrea Zhou, ME

University of Virginia

<https://github.com/National-COVID-Cohort-Collaborative/short-course-2024-january/tree/main/background/syllabus>



Course Structure

- Weekly sessions with hands-on exposure to real-world data using the N3C Enclave
- Twice-weekly office hours for questions about class content, homework, or issues accessing content in the platform:

Tuesdays & Thursday from
10-11:00 AM PST / 1-2:00 PM EST
<https://covid.cd2h.org/support/>

Weekly Expectations:

- Course reading(s)
 - Largely from the online book, [*The Researcher's Guide to N3C*](#)
- Homework (to be completed in the N3C Enclave)
 - Should take 1-2 hours each week
 - Submissions are due each week by Wednesday at midnight
 - Assignments will be self graded - answer key will be released weekly on Thursday



Session Overview



Sessions:

1. Introduction to N3C
2. Observational Research, OHDSI Tool, and N3C
3. Analysis Using Synthetic Data
4. Building an Analytic Dataset Using Shared N3C Resources
5. Analyzing Data Curated from N3C: A Replication Study
6. N3C Policies and Procedures: From Access to Publication



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Important Course Resources



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- GitHub repository:
<https://github.com/National-COVID-Cohort-Collaborative/short-course-2024-january>
- The Researcher's Guide to N3C:
<https://national-covid-cohort-collaborative.github.io/guide-to-n3c-v1/>
- Course workspaces:
 - Weeks 1-3:
<https://unite.nih.gov/workspace/compass/view/ri.compass.main.folder.86a7020f-db30-4fd1-b735-bbaf53512365>
 - Weeks 4-5:
<https://unite.nih.gov/workspace/compass/view/ri.compass.main.folder.713d3259-a7b4-43f4-bbac-d1db215aff8b>
- Sharon Patrick (sharon.patrick@hsc.wvu.edu)