



Patient Centered Outcome Research Trust Fund Projects Updates: Division of Health Care Statistics

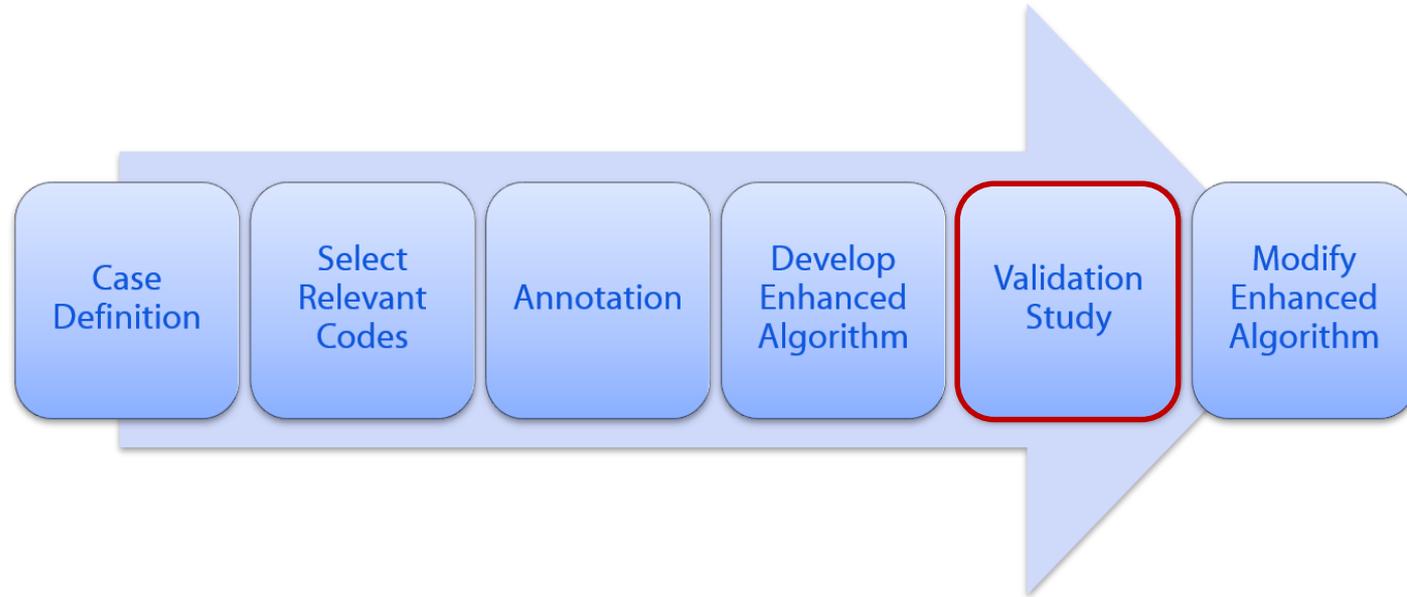
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Presentation to the NCHS Board of Scientific Counselors
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Division of Health Care Statistics PCORTF Project Status

- **FY18:** Enhancing Identification of Opioid-Involved Health Outcomes Using Linked Hospital Care and Mortality Data
 - 2014 National Hospital Care Survey (NHCS) and National Death Index (NDI) linked data linked to the Drug Involved in Mortality (DIM) file. Development continues on the enhanced opioid-involved algorithm.
- **FY19:** Identifying Co-Occurring Disorders among Opioid Users Using Linked Hospital Care and Mortality Data: Capstone to an Existing FY18 PCORTF Project
 - Development of the co-occurring disorders algorithm happening concurrently with the opioid algorithm. Planning of validation study is underway.

Enhanced Methodology Process for Identification of Opioids and Co-occurring Disorders (FY18 & F19)



Validation Study

Validation Study

- Validate the results of the enhanced opioid-involved identification algorithms.
- Manual abstraction of medical records for a sample of encounters identified by the sets of algorithms from data submitted by 9 NHCS participating hospitals.
- Findings will be used to identify the highest performing iterations of both sets of algorithms.
- Field in late 2020.
- Developed abstraction form to standardize data collection.

Validation Study: Abstraction form

- Will collect the following information at the time of the hospital encounter:
 - Evidence of opioid use
 - Drug testing
 - Opioid administered and/or prescribed to the patient
 - Was naloxone administered
 - Evidence of a substance use disorder (SUD)
 - Diagnosis related to a past or present anxiety or depressive disorder
 - Treatment initiated for substance use disorder, anxiety disorder, and/or depressive disorder
- Obtains information about the location of the evidence (e.g., labs, medication list or history of present illness)

Special BSC work group

- On January 15, 2020 there was a special BSC work group meeting to discuss the validation study abstraction form and obtain feedback on the questionnaire design.

Summary of BSC work group feedback

- Add the hospital setting to the encounter identification section.
- Include a clarification of “past vs. present use” of opioids.
- Add “fentanyl analogs” to the fentanyl category of medications taken.
- Add medication list as a potential location for evidence of substance use.
- Add a question confirming testing of substances used.
- Add steroids, inhalants, and solvent inhalants to SUD list. Remove tricyclic antidepressants (TCAs) from SUD list.
- Allow for the collection of interviewer notes.

PCORTF Dissemination Updates

Dissemination

- On April 14, a virtual session at the 2020 National Rx Drug Abuse and Heroin Summit discussed the development of the enhanced opioid and co-occurring disorder algorithm and available research files.
- Planning is still underway on the upcoming Research Data Center release of the 2016 linked file that contains the results of the enhanced opioid-identification algorithm.
 - The file is delayed due to file access restrictions from teleworking, due to COVID-19.

Contact Information

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