

# 2022 OS-PCORTF PORTFOLIO YEAR IN REVIEW

The OS-PCORTF supports U.S. Department of Health and Human Services (HHS) projects that **strengthen federal data capacity to improve the collection, linking, and analysis of data for patient-centered outcomes research (PCOR)**.

OS-PCORTF STRATEGIC PLAN 2020-2029

View the OS-PCORTF Strategic Plan 2020-2029.



### ONC: A Synthetic Health Data Generation Engine to Accelerate Patient-Centered Outcomes Research

**5 new Synthea™ models** to generate realistic patient health data to study cerebral palsy, prescribing opioids for chronic pain and the treatment of opioid use disorder, sepsis, spina bifida, and acute myeloid leukemia.<sup>2</sup>



#### CDC/NCHS: <u>Augmenting the National Hospital Care Survey (NHCS) Data Through Linkages with</u> <u>Administrative Records</u>

Patient data from the 2014 and 2016 NHCS are now linked to Medicare enrollment, utilization, and claims data<sup>3</sup> and U.S. Department of Housing and Urban Development (HUD) data on individuals participating in HUD's 3 largest housing assistance programs.<sup>4,5</sup>



#### FDA: <u>Bridging the PCOR Infrastructure and Technology Innovation Through Coordinated Registry</u> <u>Networks (CRN) Community of Practice</u>

**A new framework** for assessing the maturity of CRNs supports regulators and researchers use real-world data for medical device evaluation.<sup>6</sup>



#### AHRQ: <u>Enhancing Patient-Centered Outcomes Research (PCOR): Creating a National Small-Area Social</u> <u>Determinants of Health Data Platform</u>

A social determinants of health (SDOH) Database drawn from multiple data sources containing county, census tract, and zip code-level data across 5 SDOH domains—social context, economic context, education, physical infrastructure, and health care context—which can be downloaded and linked to other data sources for PCOR.<sup>7</sup>



#### CDC/NCHS: <u>Identifying Co-Occurring Disorders Among Opioid Users Using Linked Hospital Care and</u> <u>Mortality Data: Capstone to a FY18 OS-PCORTF Project</u>

**A new algorithm** was created and is available to analyze unstructured electronic health record (EHR) data and ICD-10-CM claims data to identify opioid-related hospital visits with co-occurring substance use disorders and mental health issues in the 2016 NHCS.<sup>8</sup>



#### FDA: <u>SHIELD – Standardization of Lab Data to Enhance Patient-Centered Outcomes Research and</u> <u>Value-Based Care</u>

**6 new LOINC® mapping guides** are available to help laboratories map their tests to LOINC terms to support interoperability.<sup>9</sup> **A new mapping tool** supports standardized reporting of COVID-19 test results to public health agencies.<sup>10</sup>



#### ONC & NIH: Training Data for Machine Learning to Enhance Patient-Centered Outcomes Research (PCOR) Data Infrastructure

**3 training datasets and validated machine learning algorithms** are available to study end-stage renal disease and tuberculosis drug resistance.<sup>11,12</sup>

## ASPE & AHRQ: <u>Validating and Expanding Claims-Based Algorithms of Frailty and Functional Disability for</u> <u>Value-Based Care and Payment</u>

**Validated existing algorithms using claims or EHR data** to support the identification of Medicare beneficiaries at risk for or living with functional impairments.<sup>13</sup> Using one of the validated algorithms, researchers will be able to access a new claims-based frailty index score in the CMS Chronic Conditions Data Warehouse to improve health outcomes.

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ASPE OS-PCORTF Website: https://aspe.hhs.gov/index.php/collaborations-committees-advisory-groups/os-pcortf 2022 Portfolio Report: <a href="https://aspe.hhs.gov/reports/os-pcortf-2022-annual-report">https://aspe.hhs.gov/reports/os-pcortf-2022-annual-report</a> Contact ASPE: <u>OSPCORTF@hhs.gov</u> Sign up for the latest news and program updates from ASPE: <u>OS-PCORTF Newsletter</u>