

Overview of Use Cases, Thematic Areas, and Scenarios

Use Case	Thematic Area	Scenario
Use Case 1: Combine Data for PCOR	Combining Independently Managed Data for PCOR	Combining Clinical and Claims Data
		Secondary Analysis of Administrative Data on Substance Use Treatment CER
		Combine Claims and Birth Records
Use Case 2: Consent Management	Research and Age-Related Consent	Considerations Related to Consent and Transitions from Minor to Adult
	Research Data Use Scenarios on Special Populations and Protection Status	Obtaining Consent from Incarcerated, HIV-Positive Research Participants
		Consenting Individuals with Impaired Decision-Making Capacity
Use Case 3: Use of Sensitive Data	Use Behavioral Health Data for PCOR	Combining Mental Health Data with Physical Health Data
	Precision Medicine	Consent to Disclose Genomic Data that Affects Family Members
		Genomic Testing and Disclosure to Minors
		Use of Genetic Bio-Markers for PCOR
	Individual and Population-Level Research Related to Sub-Populations	Privacy Concerns for American Indian/Alaska Native Individuals and/or Populations
Use Case 4: Identification and Re-Identification of PCOR Data	Cumulative Re-Identification Risk	Reidentification Risk from the Mosaic Effect
	Multi-Site Identity Linking	Creating a Multi-Institutional Unique Identifier for Research
Use Case 5: Use Patient-Generated Health Data for PCOR	Patient-Generated Health Data	Use of Sensor Data
		Creating a Registry that Includes Patient Reported Outcomes
		Use a Registry that Includes Patient Reported Outcomes for PCOR
		Information Flow and Authentication in Linking Personal Devices to Clinical Data for Research