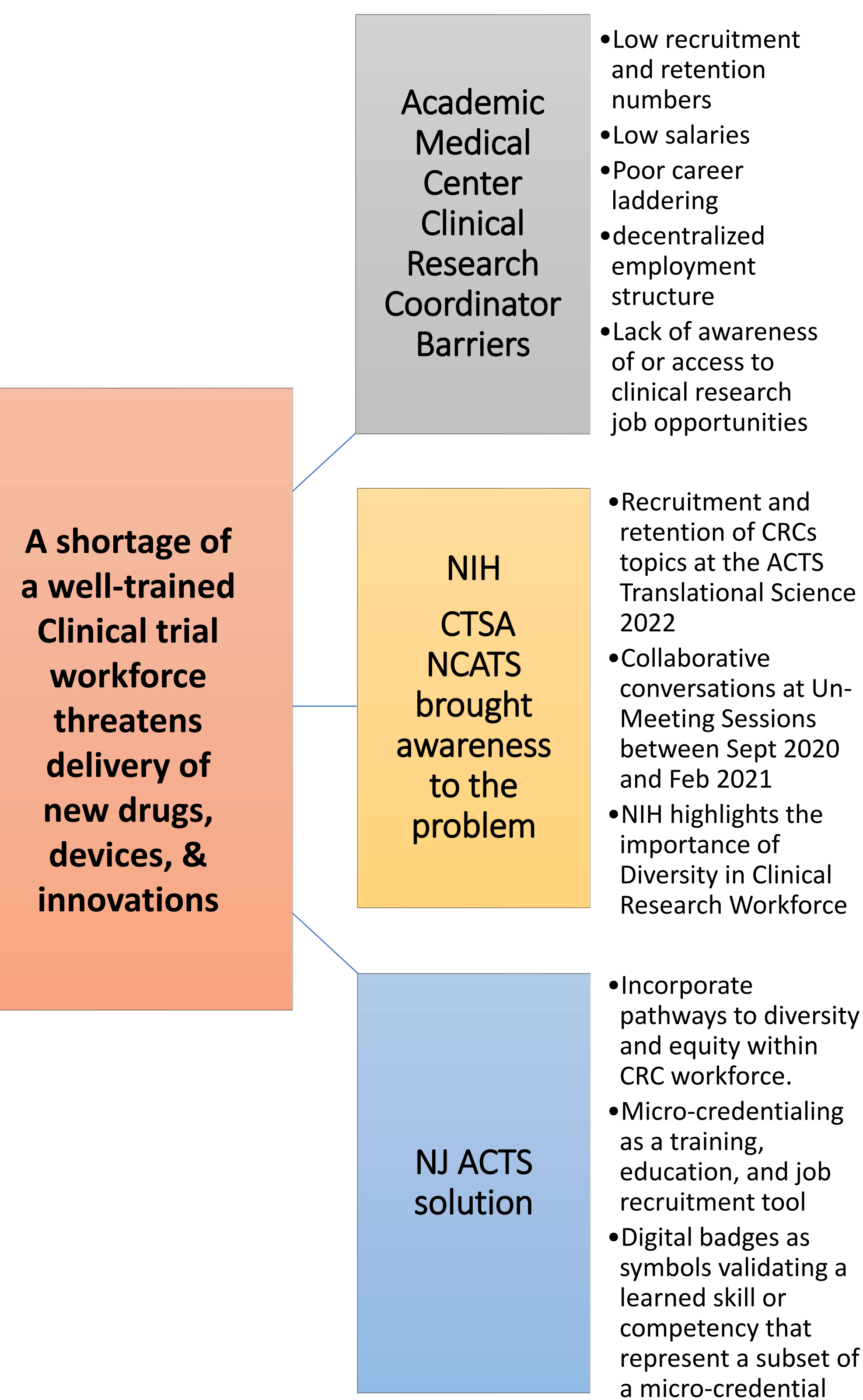
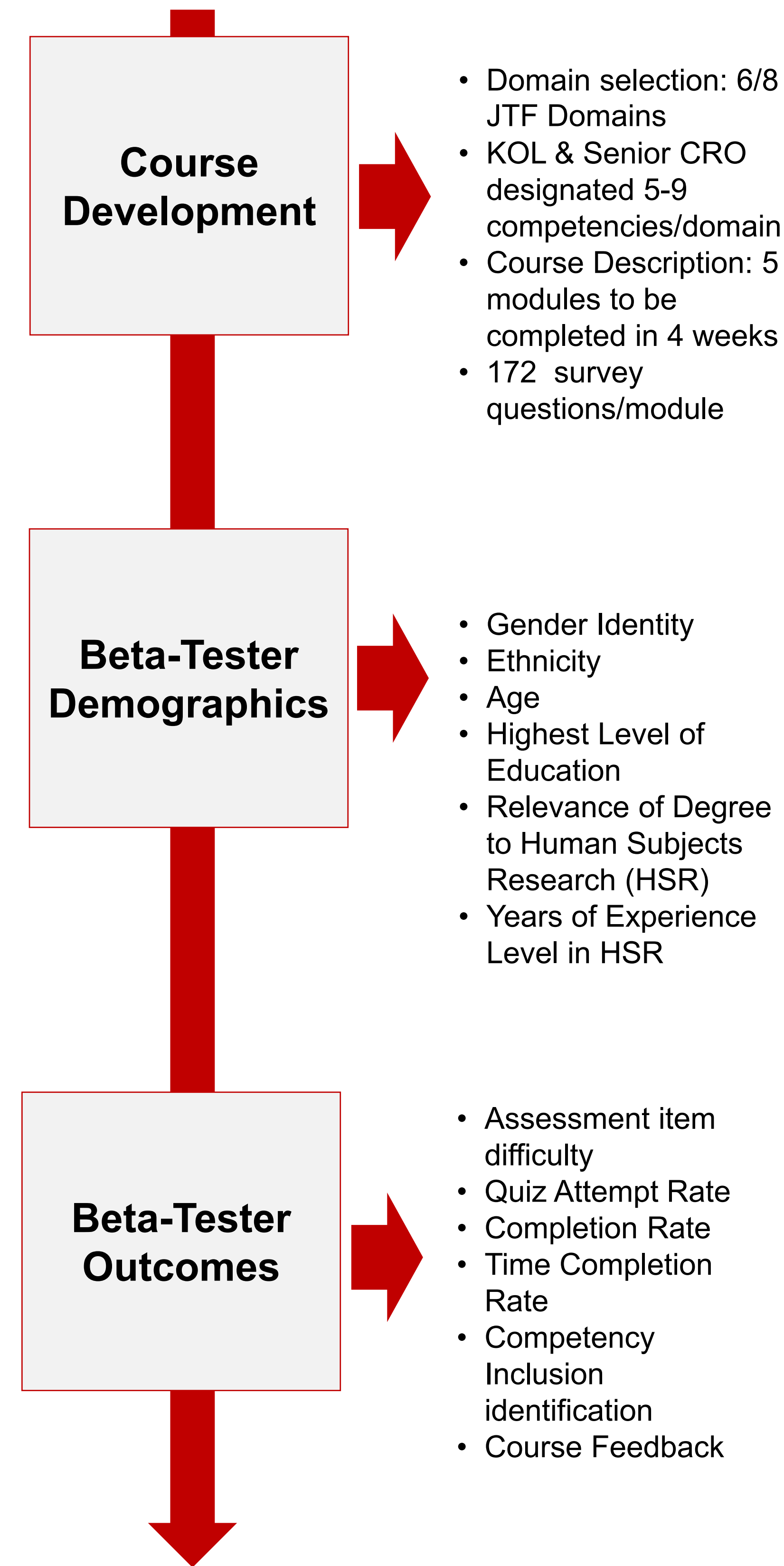


Introduction



Overview of Data Collection



CRC Module Breakdown

Scientific Concepts and Research Design

- Describes the foundational principles governing drug development including pharmacokinetics and pharmacodynamics, and reviews how a suspected adverse drug reaction (ADR) may be identified. Participants will also learn some basic research designs and statistics used to evaluate drug effectiveness and apply this knowledge to critically analyze study results.

Ethical and Participant Safety Considerations

- Encompasses the ethical care of patients enrolled in a clinical trial. Participants will learn about the historical events that have led to the current human subject's protection regulations and evolution of informed consent. The mission, functions, and procedures of the Institutional Review Boards and treatment of vulnerable subjects are reviewed.

Investigational Products Development & Regulation

- Includes the regulations that must be followed when bringing product to market. Investigational New Drug Applications (INDAs) and New Drug Applications (NDAs) are described, and the stages of drug development are reviewed in detail.

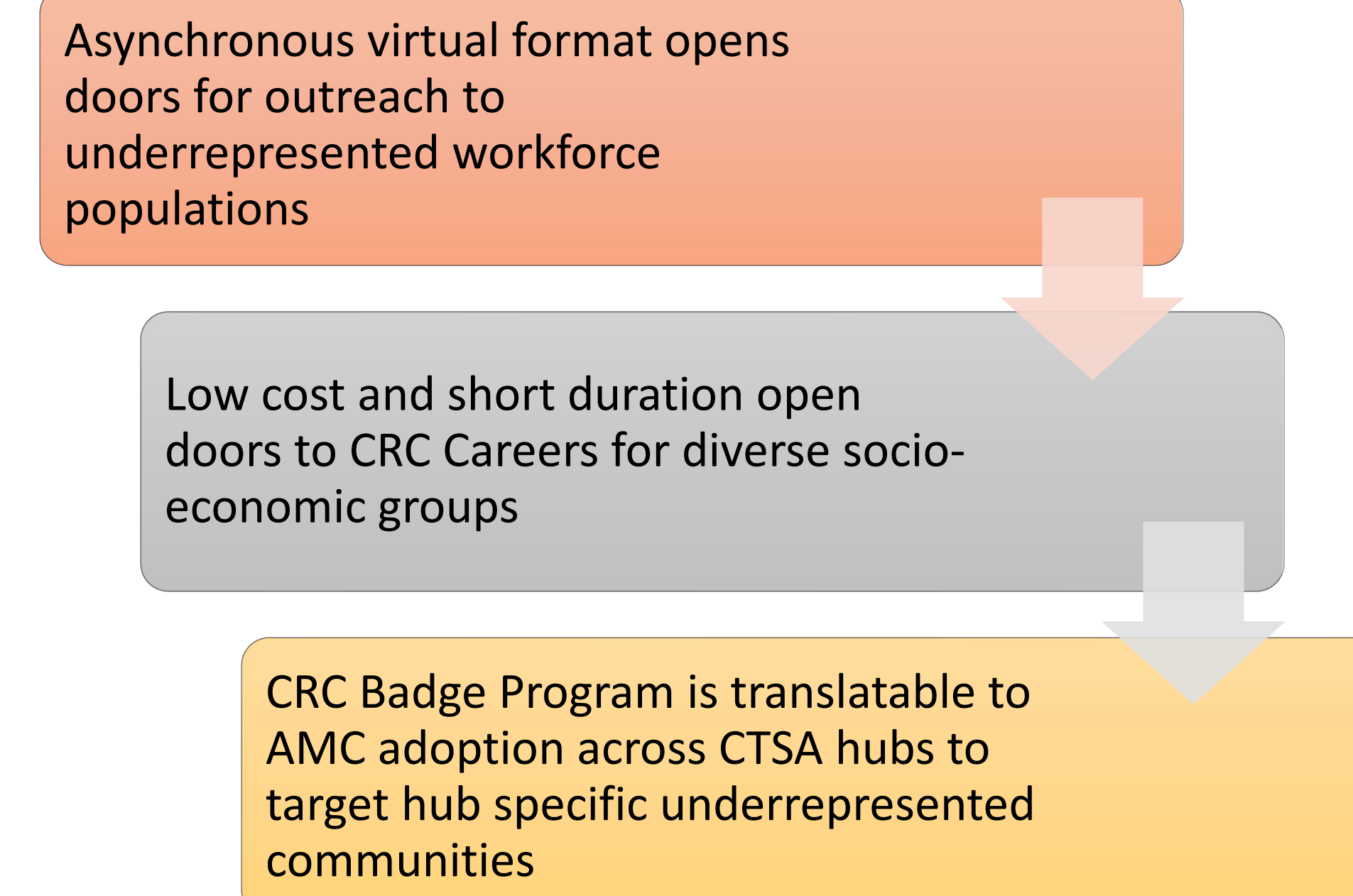
Clinical Study Operations and Site Management

- Takes the participant on the drug development journey by covering events taking place at a study site and at the sponsor. It operationalizes the conduct of a clinical trial and reviews specific tasks that must be performed.

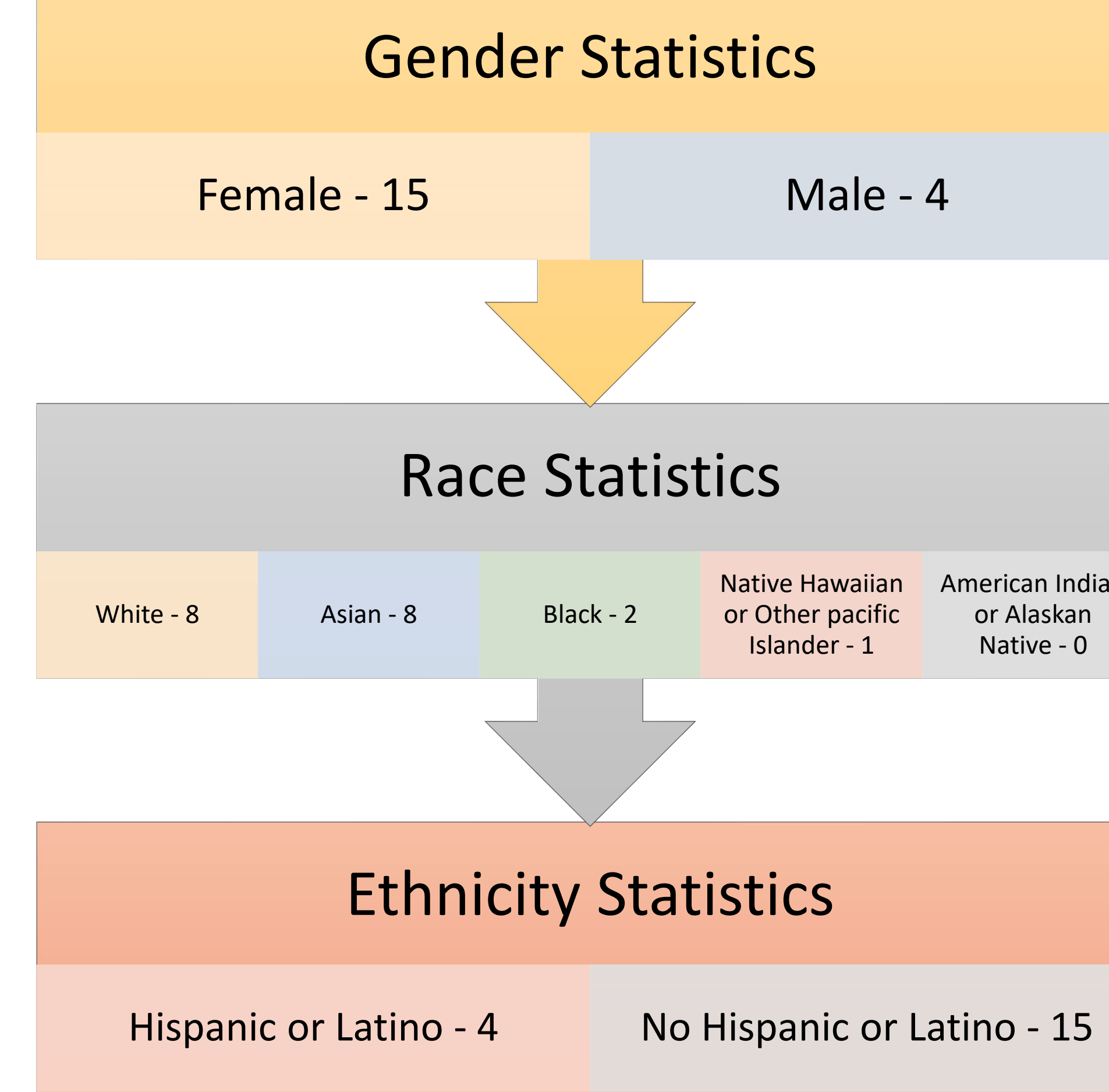
Data Management & Informatics

- Reviews how study data is handled as well as data privacy regulations. Rules regulating reporting of adverse drug reactions are also covered.

Path to Workforce Equity



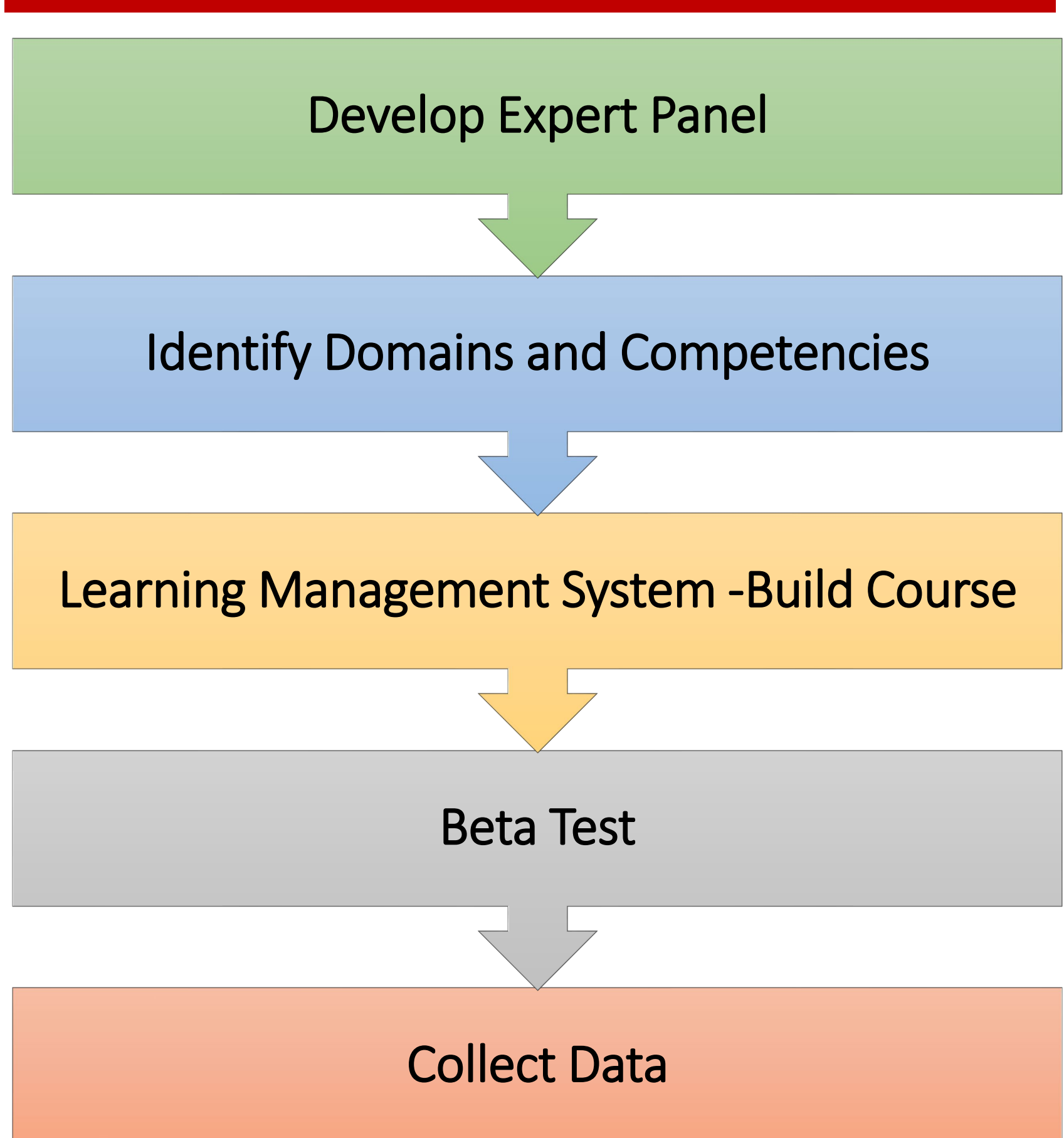
Path to Workforce Equity Statistics



Objective

Describe the development of a micro-credentialing program and CRC Badge that provides condensed competency-based clinical research knowledge and enables clinical research naive professionals interested in breaking into the field a pathway to entry level CRC positions.

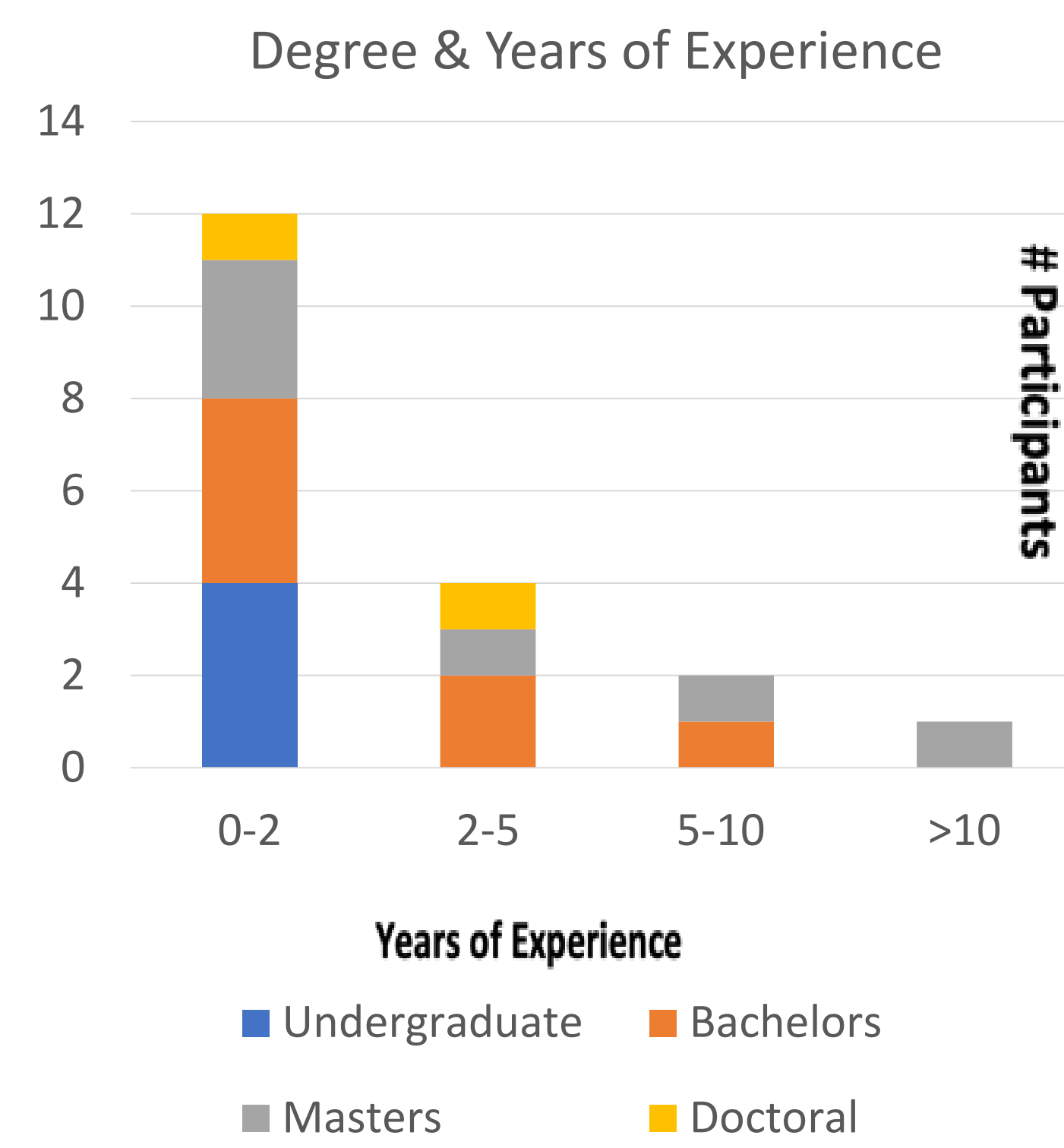
Methods



Course Design

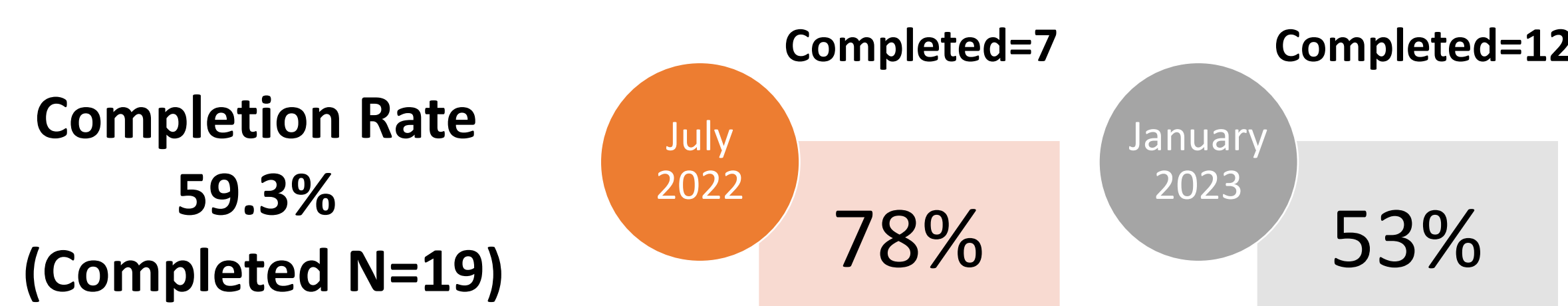
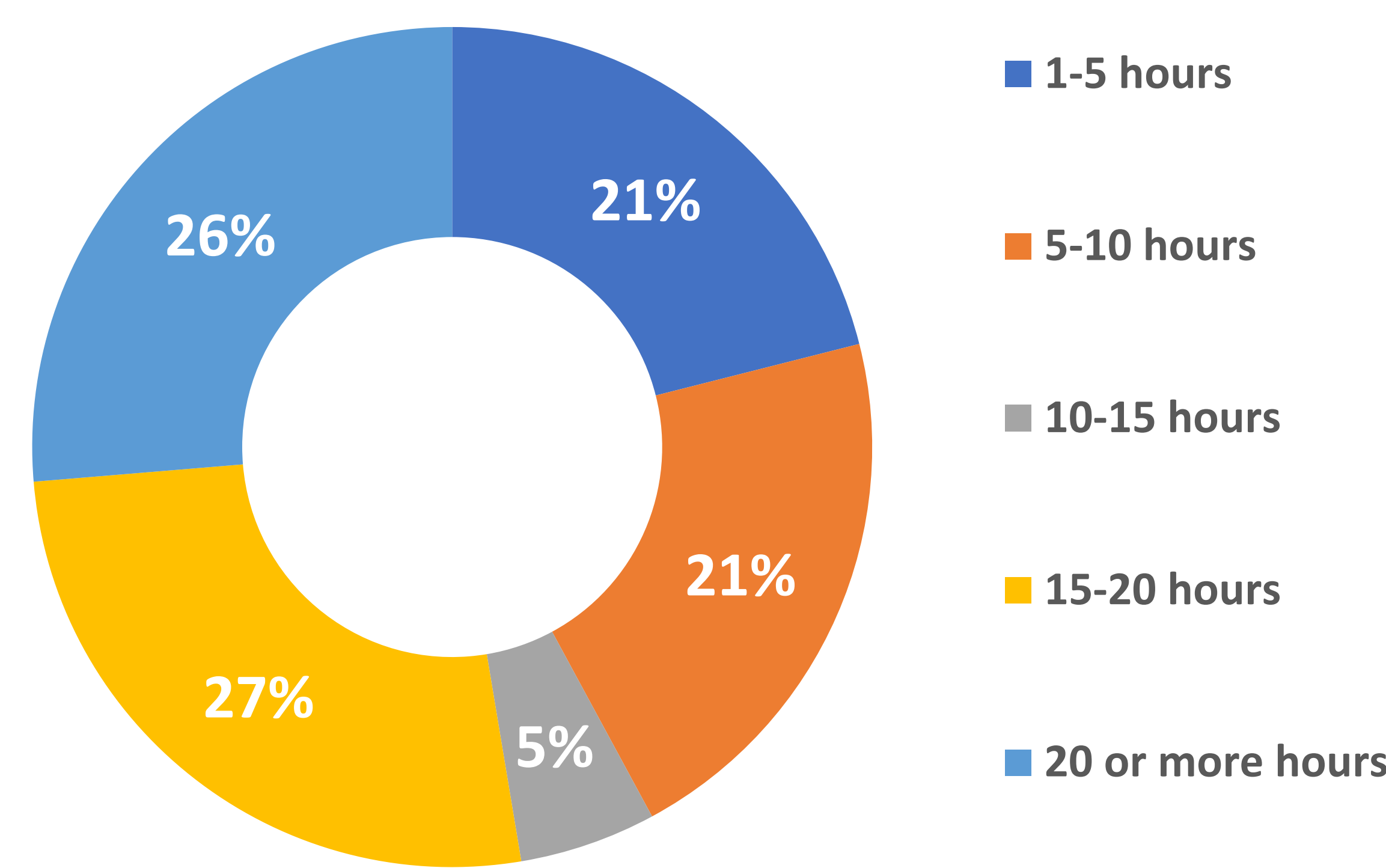
- Module Overview
- Recordings
- Handouts
- Discussion
- Quiz-25 MC questions, 1 hour to complete, 3 attempts to score 90%

Demographics for Badge Completers



Completion Statistics

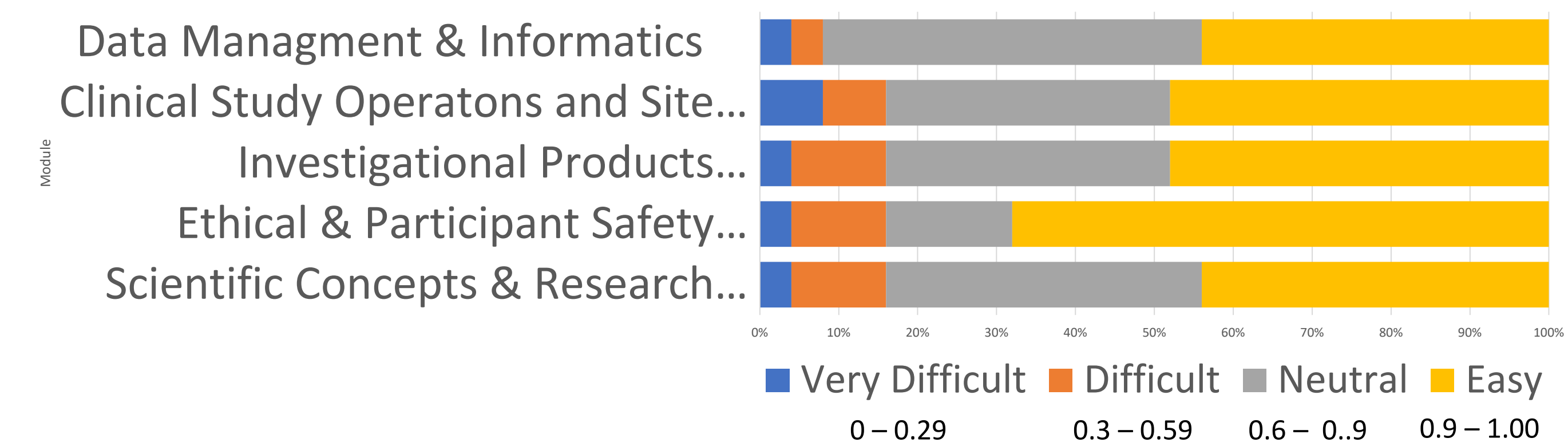
Participant Time to Complete



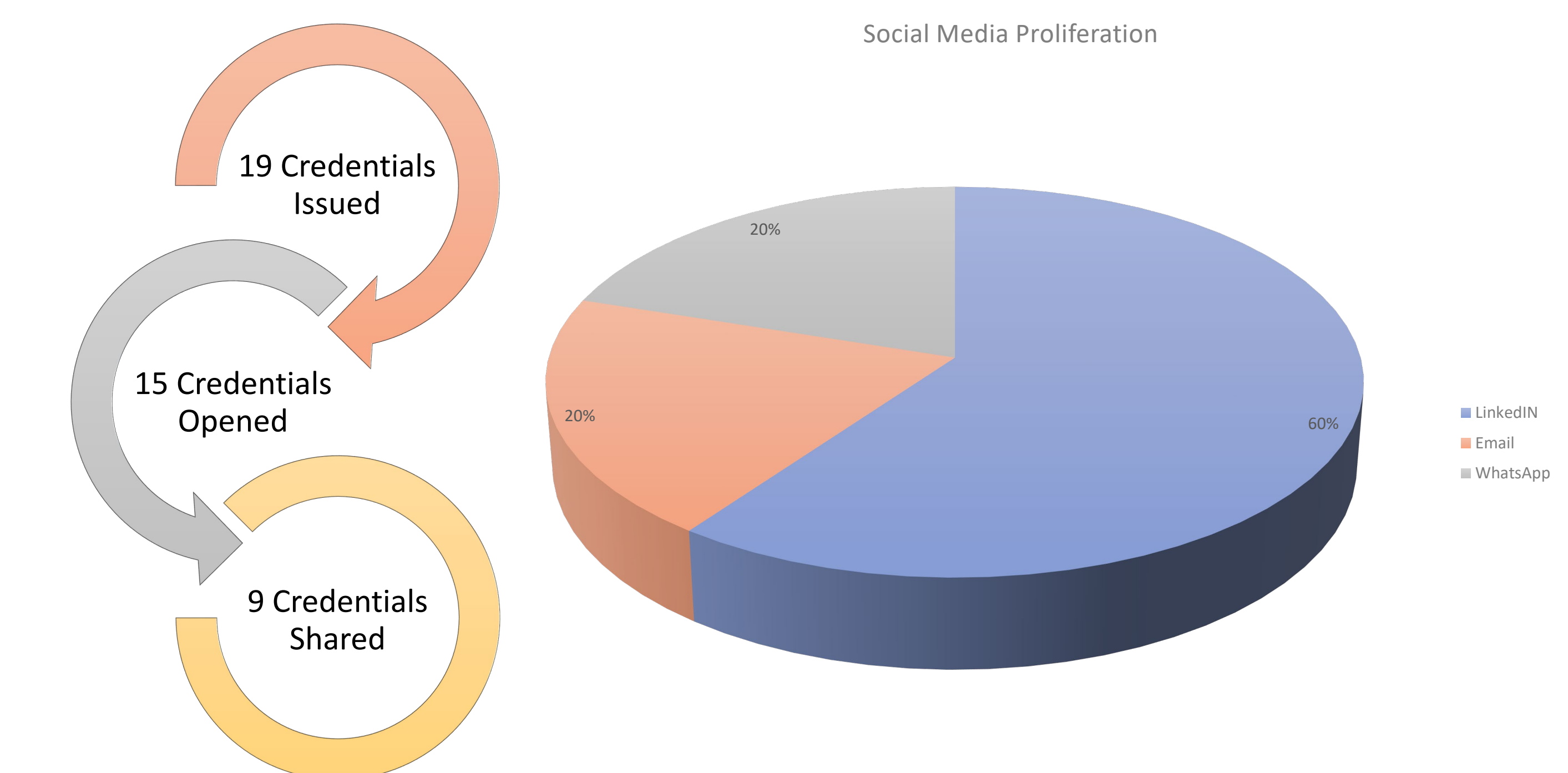
Quiz Item Analysis (25 questions/module)

Difficulty Index

Range of Difficulty of Questions Per Module



Post Badge Use of Credentials

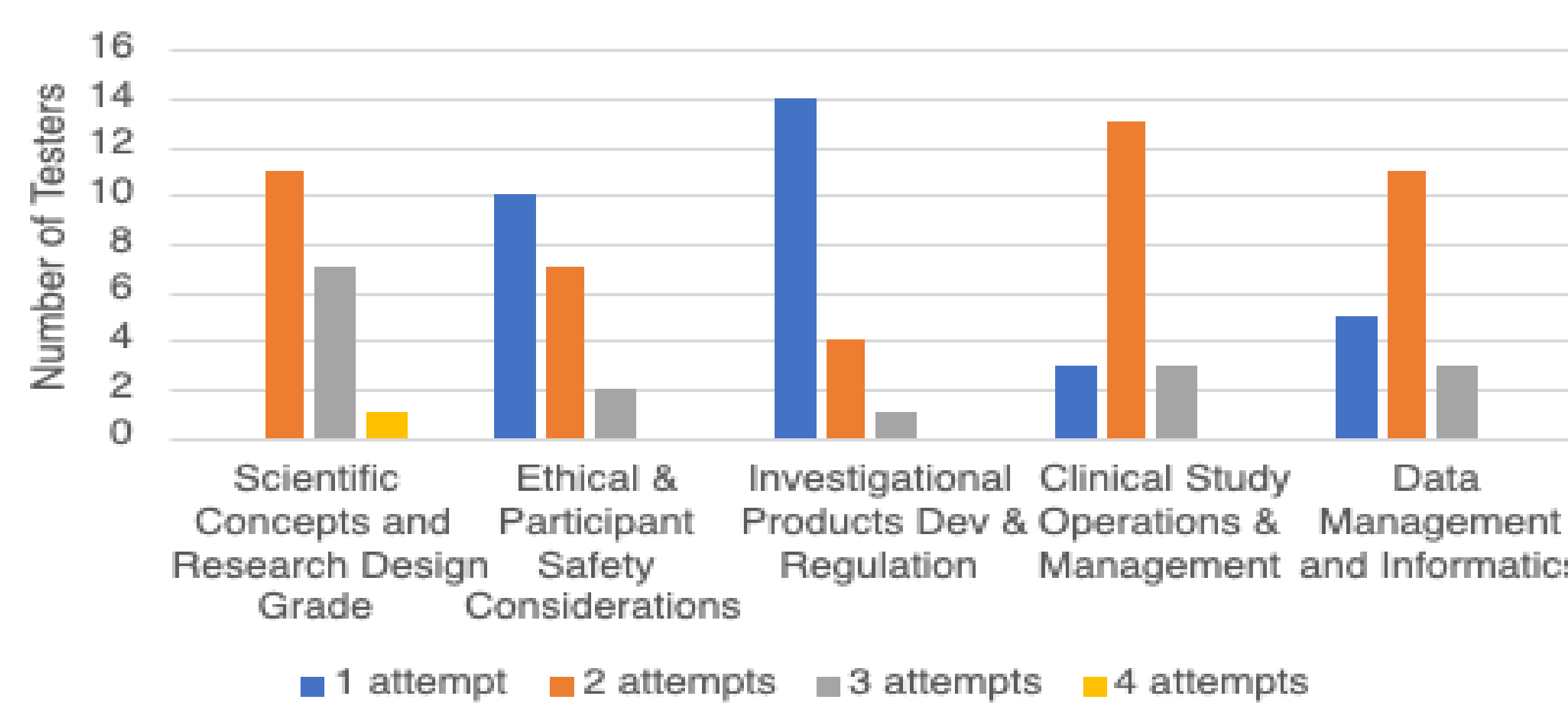


Discussion

This poster summarizes the development of a clinical research coordination training badge to be used as a tool to educate and recruit individuals into study coordinator positions at a major AMC. Nineteen individuals with varying clinical research experience completed the course and received an electronic badge. Survey questions asking about the quality and performance of the course were extremely favorable. The Difficulty Index for the quizzes indicated that questions were predominantly "easy" or "neutral" which is commensurate with entry or foundational level skills which confirmed our goal of creating a course for the novice individual. When asked about what the participants liked best about the course, comments included: "Easy to Follow" "I really enjoyed the presenter" "the organization and content and the way it was presented was excellent" and "very comprehensive"

Given this excellent feedback and limited need for corrections and editing, the decision was made to proceed in March 2023 to the next phase of this project which included making the course available to enrolled students, faculty and staff at Rutgers, Princeton, and NJIT (NJ ACTS Community).

Number of Attempts Per Module



Future Research

Evaluate the effectiveness of the badging program with regard to increasing employment, promotion and clinical trial efficiencies. We will also be administering a valid and reliable knowledge test both pre and post course enrollment to determine student learning.

<https://njacts.rbhs.rutgers.edu/>



Acknowledgments

Supported by the New Jersey Alliance for Clinical and Translational Science Grant UL1TR003017 and the NIEHS P30 Center ES005022