

Introduction to Clinical Data Management

Overview of Clinical Research

"The process of collecting, cleaning, and managing data from clinical trials to ensure accuracy, reliability, and compliance."



Before new medical treatments, such as pharmaceutical drugs or medical devices, can be approved for wide spread patient use, they must undergo rigorous clinical trials involving human participants. These trials are research studies designed to assess the safety and effectiveness of experimental treatments.

Typically, experimental treatments progress through four key phases of clinical trials before they can be considered for regulatory approval. Each phase includes a larger group of participants and addresses essential questions to help researchers determine whether the treatment is ready for submission to regulatory agencies. These agencies then review the data and decide whether the treatment can be approved for patient use.