

Introduction to Clinical Research

Importance • Awareness & Recruitment • Stakeholders • Market

Research Design

Structured methodology for valid, reliable outcomes.

Patient Safety

Ethical protection of participant rights throughout the trial.

Data Integrity

Accurate, auditable data essential for trial validity.

Collaboration

Sponsors, CROs, investigators & IRBs united.

Importance of Clinical Research

- Foundation of evidence-based medicine and modern healthcare
- Discovers & validates new treatments, devices & diagnostics
- Improves standards of care and drives cost-effective solutions
- COVID-19: Pfizer & Moderna vaccines approved within 1 year
- 85%+ of approved drugs were validated through clinical trials
- 6,000+ drugs currently enrolled in active clinical trials



Awareness & Recruitment Stats

Diverse, timely enrollment is critical minority groups remain underrepresented in trials.

Unaware of trial options

85%

Trial miss enrollment goals

75%

Would enroll if informed

80%

Joining cancer trials

5%

Stakeholders in Clinical Research

SPONSOR	Pharma/biotech/device company that funds & initiates the trial.
CRO	Contracted org: monitoring, data management & statistics.
INVESTIGATOR	PI leads site conduct & ensures GCP compliance.
IRB / EC	Reviews & approves protocols to protect participants.
SITE STAFF	Coordinators & nurses: screen, enroll & follow-up subjects.
PARTICIPANTS	Volunteers who give informed consent to join the trial.
FDA / EMA	Review data & grant marketing approvals for new drugs.

Clinical Research Market

Global Market Size (2022–2030)

