

4 Ways to Implement Digital Technologies in Clinical Trials

With **60% of life sciences executives** naming digital transformation as their top priority for 2025, the race is on to address the inefficiencies slowing clinical trials. But where can you start?

1 PATIENT RECRUITMENT & ENROLLMENT

CHALLENGE

80% of clinical trials fail to meet recruitment deadlines.

What you can do:

- **Simplify the process of identifying patients** who meet trial protocols and eligibility criteria
- **Enhance the enrollment experience** to increase signup rates.



How KMS can help

- + Connect disparate EHR, EMR, and standalone systems for faster patient screening.
- + Integrate analytical and AI models to support patient identification and selection.
- + Develop outreach and digital engagement tools (e.g. appointment reminders, medication adherence reminders, etc.) to simplify and track the enrollment process.

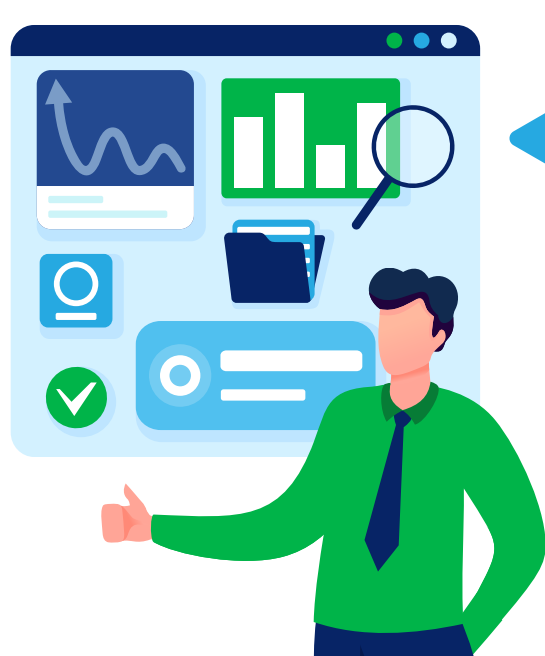
2 DATA COLLECTION & MONITORING

CHALLENGE

57% of clinical researchers report trial delays caused by data-related issues

What you can do:

- **Centralize data sources** to ensure your systems can "talk" to each other.
- **Enable real-time monitoring tools** that let you spot potential issues before they snowball into delays.



How KMS can help

- + Build a unified platform to centralize all electronic data capture (EDC) tools, wearable devices, and remote patient monitoring (RPM) systems.
- + Design AI and logic-powered automated workflows to pull, clean, and harmonize data from diverse sources.
- + Build real-time dashboards with live insights into data quality and trial progress.

3 REGULATORY COMPLIANCE

CHALLENGE

Non-compliance costs an average \$2M per incident.

What you can do:

- **Build compliance-ready processes** that integrate regulatory compliance (with HIPAA, GDPR, and FDA guidelines) directly into workflows.
- **Ensure audit trails** are transparent and automated to reduce manual oversight.



How KMS can help

- + Develop a HIPAA- and FDA-compliant system with built-in audit trail tracking.
- + Define an end-to-end testing process to ensure every trial complies with industry-specific regulations.
- + Build automated workflows that flag non-compliance risks in real time.

4 FINANCIAL OPERATIONS MANAGEMENT

CHALLENGE

23% of trial sites report delayed payments as a major issue.

What you can do:

- **Maintain comprehensive financial records** to best manage your cash flow.
- **Implement connected payment systems** to ensure timely and direct payments to participants.



How KMS can help

- + Build automated financial systems for end-to-end financial management, from budgeting to execution.
- + Design integrated tools that automate participant payment processing.
- + Leverage predictive analytics models to forecast financial needs and help you stay ahead of cash flow challenges.

KMS Healthcare simplifies your journey in harnessing digital technologies for clinical trials. Schedule a free consultation today!

Contact KMS Healthcare at:

kms-healthcare.com

info@kms-healthcare.com