

# The Evolution of Clinical Data Strategies & Digital Transformation

The data from this study can help you understand how clinical data sources are growing, how that is impacting the industry and how to mitigate disruption.

As revealed in the Tufts-eClinical Solutions Data Strategies & Transformation Study Results\*, where 149 sponsor organizations were surveyed, the life sciences industry must adopt new data strategies and improve technology infrastructure to accelerate drug development.

## The volume of data is growing

Sponsors are contending with more data than ever before. Over two-thirds of clinical trial sponsors are using or piloting **at least four types of data**



# 50%

of sponsors perceive these data management activities as time-consuming and labor-intensive

## Data integration and management is time consuming

### Top three most time consuming:

- Initiating relationships with data providers
- Performing data review and cleaning
- Transforming and mapping data

### Followed by:

- Importing or ingesting data
- Curating data
- Analyzing data

## Tools to centralize and standardize data are unsophisticated



# 75%

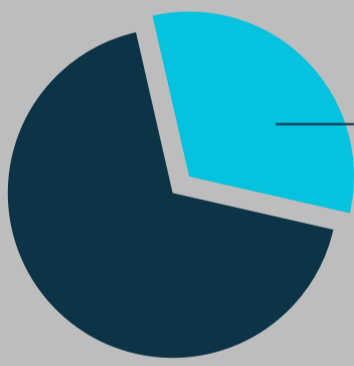
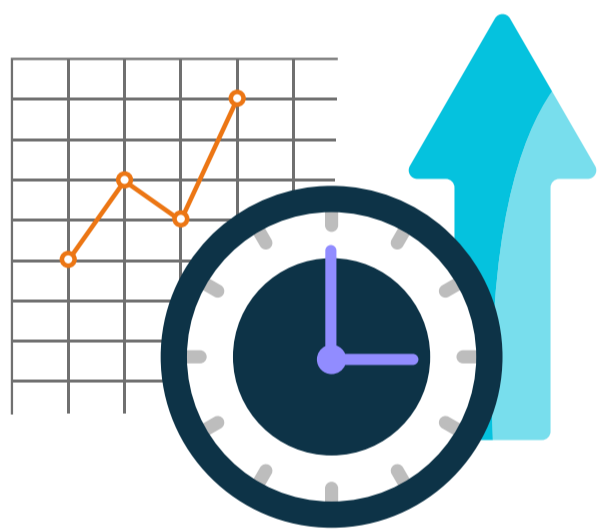
of companies are still using SAS as the primary tool for data integration and publishing

## Cycle times are increasing

# 40%

### increase since 2017

Companies using **4 or more sources** are experiencing an increase of more than **four weeks** in last patient last visit (LPLV) to database lock cycle.



Only **1/3** of sponsors have implemented a formal data strategy

## Top 3 Digital Transformation Accelerators

# 1

### Defined Data Strategies

Executing these strategies decreases database lock cycle times by an average of **two weeks**

# 2

### Technology Platforms

Sponsors using a **data hub/lake** rate their analytic competencies and capabilities higher

# 3

### Advanced Analytics

Nearly **3 out of 4** sponsors are expanding data scientists' roles to support advanced analytics

A data strategy defines what data is needed and how it should be presented to the data consumer.



Companies with data strategies have faster cycle times

Companies with data strategies have better analytics capabilities

## How does your organization compare?

[Request the full study results](#)