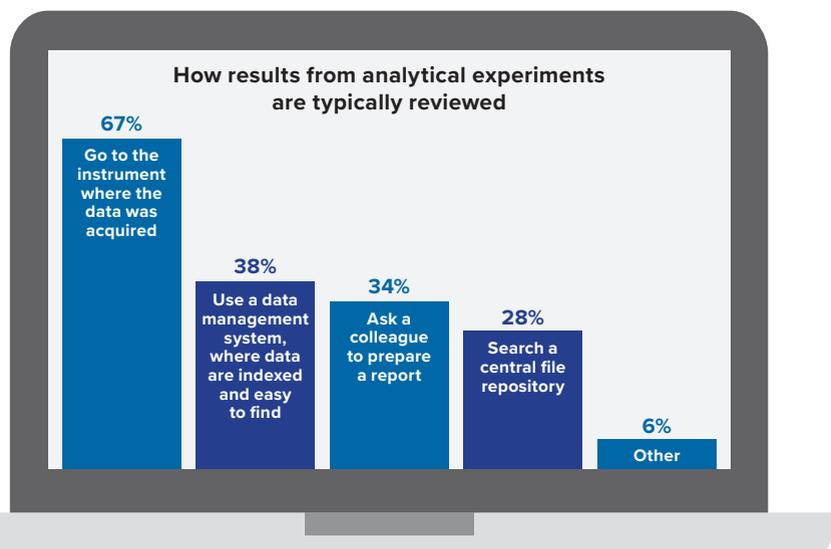# The state of scientific analytical data management in 2018

A 2018 survey* of researchers found that data management in R&D is becoming more challenging for laboratories to handle.

Reviewing and interpreting data remain inefficient.

How results from analytical experiments are typically reviewed

- **67%** Go to the instrument where the data was acquired
- **38%** Use a data management system, where data are indexed and easy to find
- **34%** Ask a colleague to prepare a report
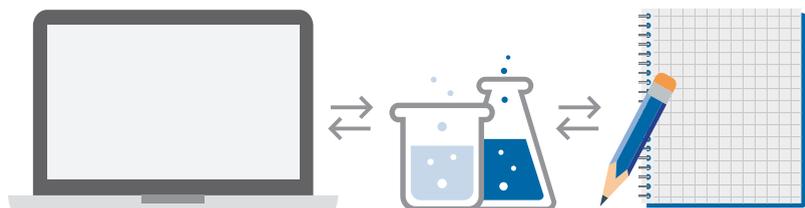- **28%** Search a central file repository
- **6%** Other

Only 38% of survey respondents use a separate data management system and 28% access their data from a central file repository—an efficiency gain that would be beneficial to most organizations.

Assembling data can be complex.

Finding ways to analyze different types of data together, or even identify data connected to the same sample, can be extremely difficult with existing tools.

84% of respondents said they used **two or more techniques** on a regular basis.
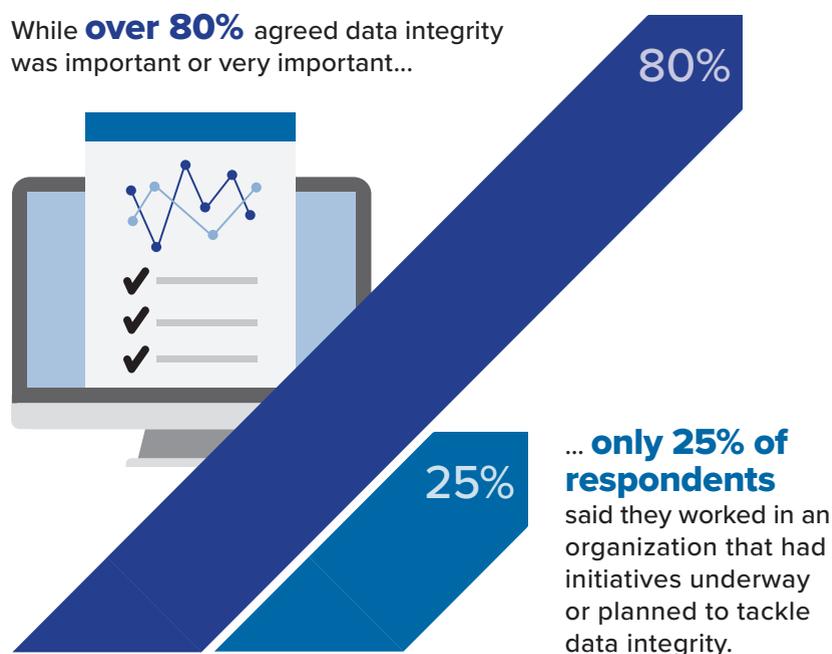
The ability to share data has become imperative.

63% of those surveyed were looking for improved ability to **search, share, and report data**.
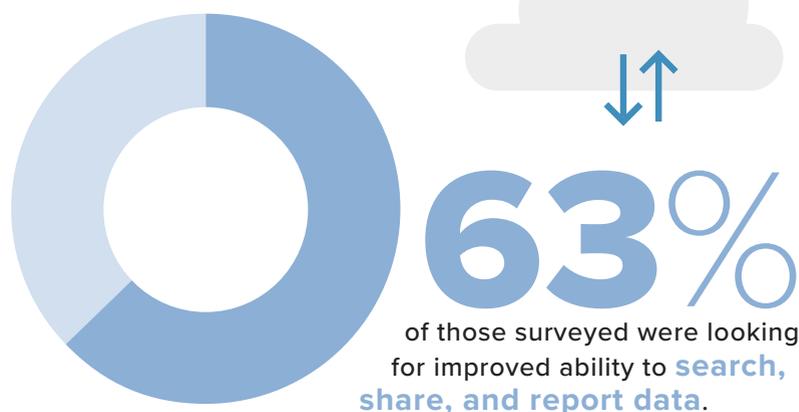
Researchers are seeking assurances that data are accurate, secure, and consistent.

While **over 80%** agreed data integrity was important or very important...

80%

25% ... **only 25% of respondents** said they worked in an organization that had initiatives underway or planned to tackle data integrity.

However, pharmaceutical and biotechnology companies are different — **47% of respondents from those sectors** said their companies had data integrity initiatives.

With more data being collected in analytical science, the issue of how to manage them is here to stay. Download the ebook, "The state of scientific analytical data management in 2018," to learn more about how researchers are addressing their data management challenges.

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