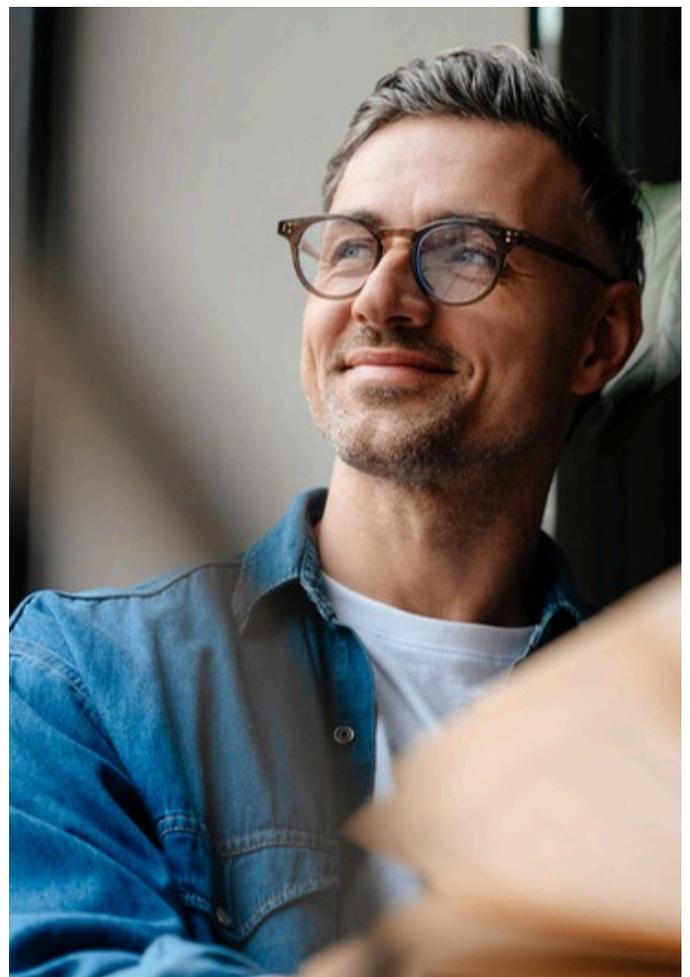# Optimizing the monitoring of drug development

How consolidating multiple pipeline databases enabled R&D and Competitive Intelligence teams at a multinational pharmaceutical company to stay ahead of their competition.

The background

The development of a new drug is a lengthy process and constitutes a large proportion of biopharmaceutical companies' overhead costs. Therefore, it is crucial that the Research and Development (R&D) and Competitive Intelligence (CI) teams within these organizations are able to stay on top of the ever-changing landscape of drug development globally.

To track and monitor the exponential growth in drug development worldwide, R&D and CI teams rely on drug pipeline databases. Analysis of pipeline data can not only identify future threats to a company's own assets, but also assist in the investigation of potential collaborators and help uncover promising licensing opportunities.

Companies typically subscribe to at least two or three of these specialized databases, because they recognize that the differences in scope, update frequency, and types of information provided can affect analysis. However, the use of multiple databases also presents key challenges, as discovered by the Head of Research at a leading multinational pharmaceutical company, who approached Infodesk for help.

The challenge

The challenges that arise when searching multiple databases stem from alternative indexing vocabularies used by each source. Even naming conventions for drugs in development may diff er, often making it diffi cult to identify analogous, complementary records for the same product provided in separate databases.

Missing information

Missing relevant data due to differences in index terms used in each pipeline database.

Multiple searches

Variant terminology required separate strategies to search each source.

Time-consuming effort

Too much time spent consolidating data retrieved from each source creates bottlenecks and inefficiencies.

The solution

Infodesk's AI-powered intelligence drives efficiency.

Time saved

- Time saved by federated searching across multiple pipeline databases.

Curation

- Taxonomies resolve indexing differences and simplify strategy creation.

Nothing missed

- Integrated Records consolidate drug data from each source, reduce risk of missed entries.

The results

By introducing Infodesk as a solution, the R&D and Customer Intelligence teams significantly improved efficiency across their workflow.

- Infodesk ontologies simplified query construction by bringing together variant source-specific terminology under one Preferred Term for each concept to be searched.
- The federated search capability enabled queries to be executed simultaneously across up to five separate pipeline databases without sacrificing precision, since the underlying software program actually searches original source-specific index terms.
- All information initially supplied in separate entries from each individual database was incorporated into Integrated Records for each distinct drug product. The standardized format provided in Infodesk records made it easier to identify disparities in data, such as phase reported or indications under investigation.
- Output organized in this way was ready for expert evaluation without delay. Staff no longer had to spend time trying to identify counterpart entries in each source and bring them together before analysis could begin.

45%

increase in output from the many queries

"We're now confident that we can use your unified platform without the risk of missing data - or missing deadlines for posting updated reports. The automated notifications also help up easily identify new drugs detected in query results week-to-week.

With Infodesk's hierarchical taxonomies, we can now use broad terms in our queries to retrieve drugs associated with any of the diseases classified under that category - without having to enter each name. Since we're organized by Therapeutic Groups, this has proved to be a real time-saver.

Your Integrated Records reduce the risk of missing relevant drugs by bringing together all the separate entries provided in each database for the same product. As a result, output from many of our queries has now increased by as much as 25-45%, compared to when we were searching the same databases individually. Yes, that means more data needs to be analyzed, but the extra eff ort has ensured better quality in our landscape reports."

About Infodesk

Infodesk is the SaaS solution that transforms intelligence into action. It helps teams identify what matters most, embed insights into workflows and stay prepared for anything, with full traceability and design optimized for high-pressure environments.

Learn more

Infodesk