

PharmaPendium®

Release notes, August 2023

Empowering Research and Regulatory Intelligence with New Search and Visual Capabilities

Dear valued customers,

extracting meaningful insights from vast amounts of complex data is a challenge. Traditional methods of data analysis can be time-consuming, cumbersome, and may not reveal intricate patterns that can impact crucial decisions.

PharmaPendium revolutionizes the way researchers and drug developers extract valuable insights. With the introduction of two powerful features, Autocomplete and Dynamic Visual Summaries, PharmaPendium is unlocking new possibilities for comprehensive data analysis, uncovering hidden patterns, and facilitating informed decision-making.

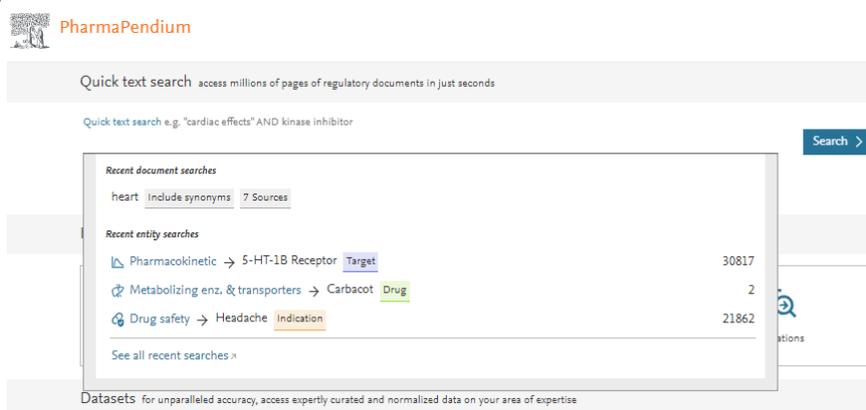
Enhanced Efficiency and Productivity: Autocomplete will accelerate your search process

Autocomplete enables you to rapidly explore the vast database with ease and accuracy. By intelligently suggesting terms and related concepts as users' type, autocomplete accelerates the search process, saving valuable time and ensuring more accurate and efficient data retrieval.

You can swiftly navigate through drug names, targets, adverse effects, indication and more, streamlining their workflow and enhancing productivity without the risk of missing critical regulatory-grade information that can make a difference in the long journey to drug development.

Autocomplete reduces search time and simplifies the data retrieval process, enabling you to focus more on analysis and interpretation. This streamlined workflow enhances productivity and accelerates research timelines.

- Find your recent searches in one click to save time:



The screenshot displays the PharmaPendium search interface. At the top, there is a search bar with the text "Quick text search access millions of pages of regulatory documents in just seconds". Below the search bar, there is a search input field containing the text "Quick text search e.g. 'cardiac effects' AND kinase inhibitor" and a "Search" button. A dropdown menu titled "Recent document searches" is open, showing a search for "heart" with "Include synonyms" and "7 Sources" options. Below this, there is a section for "Recent entity searches" with a table of results:

Entity Search	Count
Pharmacokinetic → 5-HT-1B Receptor Target	30817
Metabolizing enz. & transporters → Carbocot Drug	2
Drug safety → Headache Indication	21862

At the bottom of the dropdown menu, there is a link "See all recent searches >". Below the dropdown menu, there is a footer text: "Datasets for unparalleled accuracy, access expertly curated and normalized data on your area of expertise".

- Navigate through our documents or our main entities like drugs, targets, adverse effects or indications of interest:

PharmaPendium

Quick text search access millions of pages of regulatory documents in just seconds

Quick text search e.g. "cardiac effects" AND kinase inhibitor
car

Text search for in-depth document discovery

OR

Search taxonomy-based information entities from entities:

- Drugs
- Adverse effects
- Indication
- Target

Documents

- care
- cardiac
- cardiovascular
- carton

Entities

- Carac Drug
- Carace Drug
- Caranil Drug
- Carbac Drug
- Carbon dioxide Adverse effects
- Carbunde Adverse effects
- Cardiac arrest Adverse effects
- Cardiac asthma Adverse effects
- Carbunde Indication
- Carcinoid tumor Indication
- Carcinoid tumour Indication
- Carbamoyl phosphate synthetase 1 Target
- Carbon-Carbon Lyases Target
- Carbon-oxygen lyases Target

DDI risk calculator v1.0 DDI risk calculator v2.0 Safety margin

- Dive into your area of interest once you have selected your preferred choice, a drug or drug class, target or target class, adverse effects, or indication:

PharmaPendium

Quick text search access millions of pages of regulatory documents in just seconds

Quick text search e.g. "cardiac effects" AND kinase inhibitor
Carac

Select your area of interest:

- Info pages → Carac Drug
- Activity → Carac Drug 259
- Efficacy → Carac Drug 735
- Pharmacokinetic → Carac Drug 431
- Metabolizing enz. & transporters → Carac Drug 344
- Drug safety → Carac Drug 1592

Datasets for unparalleled accuracy, access expertly curated and normalized data on your area of expertise

- Drug safety
- FAERS
- Pharmacokinetic
- Metabolizing enz. & transporters
- Efficacy
- Activity
- Chemistry search

Dynamic Visual Summaries: Uncovering Insights and Patterns for Improved Decision-Making

The new feature, Dynamic Visual Summaries, across all of area of interests (drug safety, PK, MET, efficacy, chemistry, and activity datasets) provides you with an interactive way to analyze data.

Dynamic Visual Summaries transform complex data into visually appealing representations, facilitating quick identification of trends, outliers, and relationships. You will grasp the bigger picture effortlessly and make informed decisions based on comprehensive data analysis.

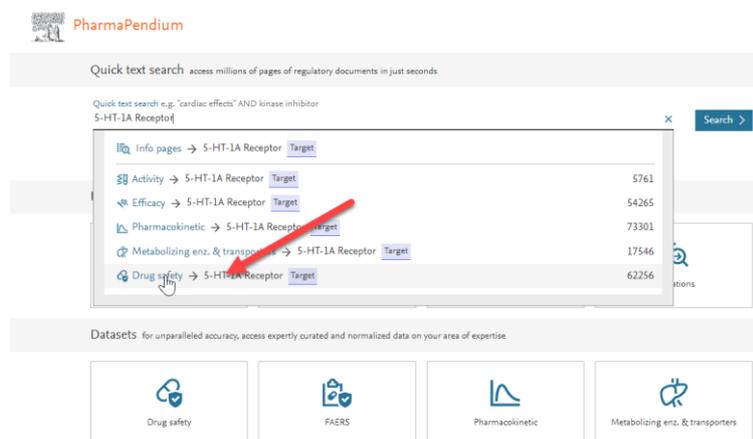
By dynamically generating graphical representations based on main parameters, such as efficacy, safety, pharmacokinetics, and toxicity, you will gain a comprehensive overview of the dataset immediately.

Through easy-to-use filtering options, these visual summaries adapt in real-time, allowing you to explore patterns, trends, and correlations that might otherwise remain hidden in tabular data. The ability to visualize data empowers you to make data-driven decisions with greater confidence.

With access to powerful visualization tools, you will gain deeper insights into drug efficacy, safety, and other critical parameters. This empowers you to identify potential risks, optimize drug development strategies, and support evidence-based decision-making throughout the entire product lifecycle.

How to use the new Dynamic Visual Summary feature:

- Type “5-HT-1A” on entities then click on the drug safety dataset:

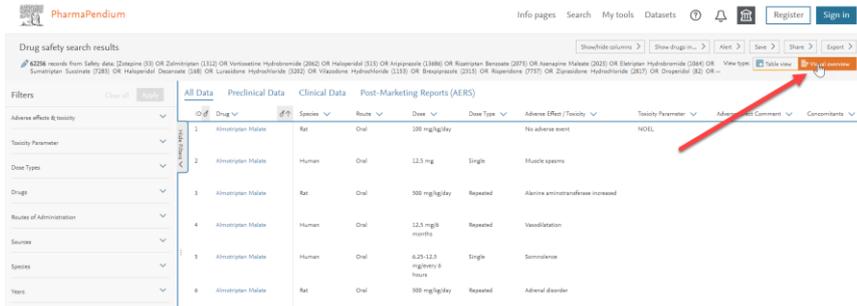


The screenshot shows the PharmaPendium search interface. At the top, there is a search bar with the text "5-HT-1A Receptor" and a "Search" button. Below the search bar, a dropdown menu displays search results for "5-HT-1A Receptor". The results are as follows:

Category	Count
Info pages → 5-HT-1A Receptor Target	
Activity → 5-HT-1A Receptor Target	5761
Efficacy → 5-HT-1A Receptor Target	54265
Pharmacokinetic → 5-HT-1A Receptor Target	73301
Metabolizing enz. & transporters → 5-HT-1A Receptor Target	17546
Drug safety → 5-HT-1A Receptor Target	62256

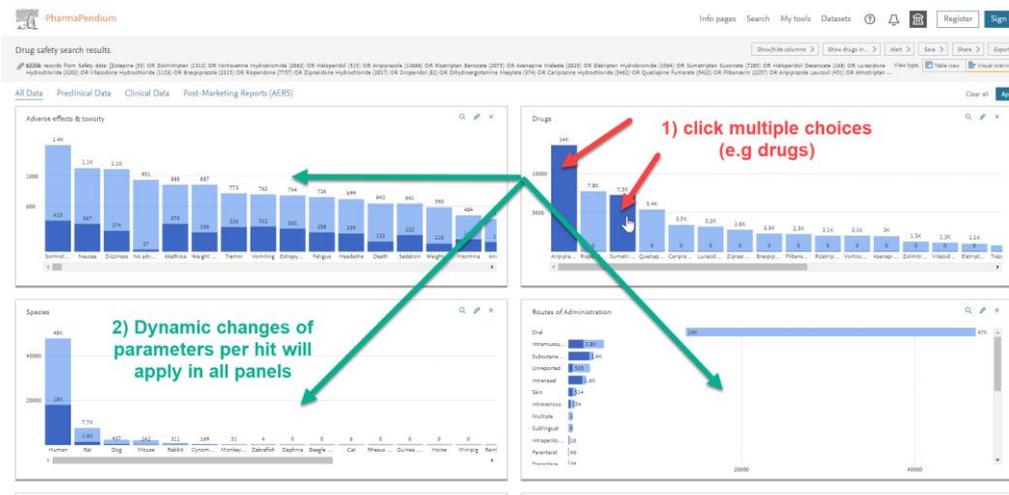
Below the search results, there is a "Datasets" section with four icons representing different data areas: Drug safety, FAERS, Pharmacokinetic, and Metabolizing enz. & transporters. A red arrow points to the "Drug safety" icon.

- When you land on results page click on the upper right “Visual overview” button:

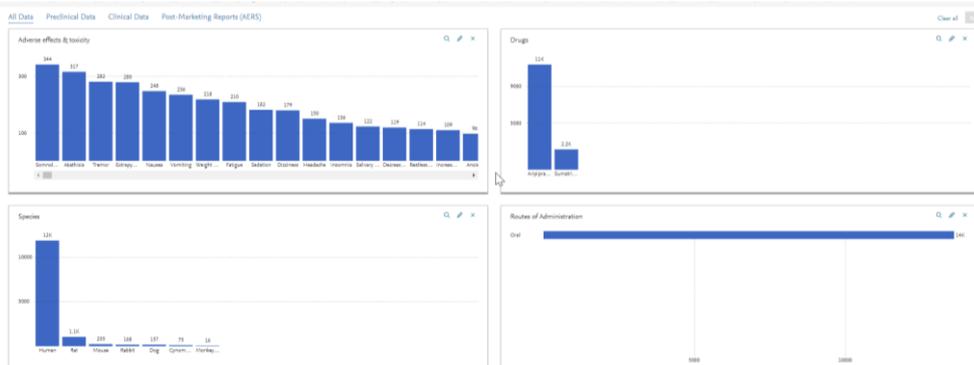


You can now check our visual overview page

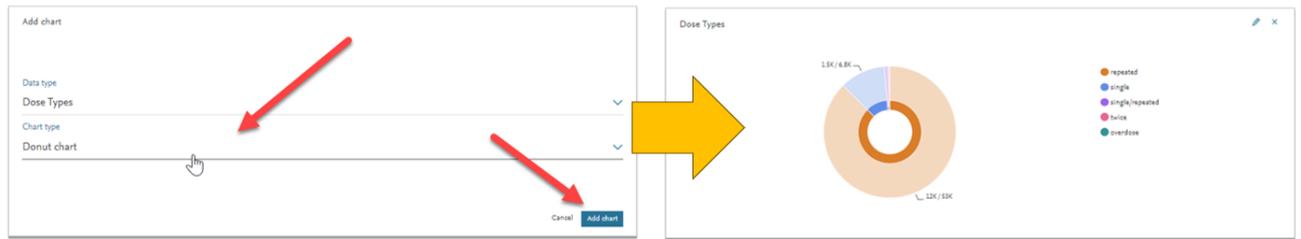
- You can click on various graphs/parameters and see the dynamic changes live in all other panels



- Click apply and only the data selected will appear:



- You can add the parameters and the chart display of your choice:



By introducing Autocomplete and Dynamic Visual Summaries, PharmaPendium demonstrates its commitment to driving innovation and empowering you with advanced tools for data analysis.

This is a big step in the journey to the New PharmaPendium in Q4 2023.

We look forward to providing you with even more innovative features in the future.

For any feedback or questions, reach out to us:

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Best regards from the team:

Thomas, Sakshi, Olivier, Ahmet, Jacco, Abhijeet, Vitaly, Shweta, Mikhail, Willem, Khushboo, Sreekantha, Aliaksandr, Branka, Jose, Igor, Iaroslav, Arseny, Canberk, Shakhriyor, Boudewijn