What’s new in PharmaPendium?

October 31, 2018 release
October 31st PharmaPendium release:
Supporting translational drug safety and efficacy risk assessment

- Easier identification of drug combinations and conditions leading to Adverse Events with FAERS heatmap and % calculations
- Rapid identification of DDIs through concomitant searching and filters
- Clear information on the source of indications data and ability to limit search by specific indication source
- MedDRA update for the most up to date drugs taxonomy
- Updated Activity data for improved understanding of a drug’s actions on a target
FAERS: spot relevant safety data more easily

Data can be displayed as:
1) Total # of records
2) Total # records and % of total # of records
3) % of the total # of records
Heatmap gradation ranges and colours are set by default. Click ‘Edit Ranges’ and deselect the ‘Lock ranges (auto calculation) button to change default values. Heatmap colours can also be selected.
FAERS: spot relevant safety data more easily

Filter information is clear in both Table and Graph view.
Data also displayed by Percentages or # Results in Graph view.
Graph view can be expanded or reduced.
Identify DDIs: **New** concomitant searching/filters

Metabolizing Enz. & Transporters data search

Show me preclinical & clinical studies for these:

**Search criteria**

1. **Choose to see data for each drug/substance or when drugs/substances are studied together**

2. **Select the drug or substance to be studied**

3. **Apply additional search limits**

**Data type**
- Add data types

**Enzyme/transporter name**
- Add enzyme/transporter names

**Species**
- Add species

**Sources**
- Add sources
Identify DDIs: **New** concomitant searching/filters

1. Choose to see data for each drug/substance or when drugs/substances are studied together

2. Select the drug or substance to be studied

3. Apply additional search limits
Identify DDIs: search when drugs studied together

Metabolizing Enz. & Transporters data search
Show me preclinical & clinical studies for these:

Search criteria

Search Options

- Show all data for each selected FDA or EMA drug
- Show data only where selected drugs are studied together pairwise
- * Majority of the drug-drug interaction studies will have 2 drugs tested

Drugs & Other Substances

- Atenovastatin Calcium
- Grapefruit juice

Note: for the current version, if you are searching for non-FDA or non-EMA approved drugs, we suggest "Add FDA/EMA approved drugs by drug class or drug name" and "Add other substances"
Results include when a drug is a concomitant
Filter by concomitant drug or substance

New concomitant search options and filters enable **advanced DDI analysis**

- See complete set of results for a drug, whether it is used as concomitant or is the main drug from FDA or EMA Approval package
- Search for MET data when drugs are used pairwise
- Filter for specific concomitants to quickly see MET results
- Search for substances (e.g., foods, chemical substances, etc.)
**Improved searching by indication**

*better insight into approved vs tested/off-label indications*

This table provides a source reference for the listed drug-indication relationships.
Improved searching by indication
Improved searching by indications
Define the source of indication data while browsing
Add drugs by indication in all modules
MedDRA update

• The PharmaPendium Adverse Effects taxonomy contains MedDRA preferred terms and synonyms linked to MedDRA preferred terms
  – We’ve updated our AE taxonomy to MedDRA Version 20.1 this year to ensure adverse events in PharmaPendium are classified in the most up to date manner possible
  – The Medical Dictionary for Regulatory Activities (MedDRA) Terminology is the international medical terminology developed under the auspices of the International Conference on Harmonisation (ICH) of Technical Requirements for Registration of Pharmaceuticals for Human Use
  – For more information on MedDRA, see here: https://www.meddra.org/
Activity data update

better understanding of a drug’s actions on a target

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31.10.2018
Activity data update