Datasets for post-market surveillance

Discover comprehensive, trusted, machine-readable data to:

- Screen for adverse drug events with high-precision data points.
- Build and train algorithms to sort literature into relevant and non-relevant sets based on drug safety signals.
- Guide medical device post-market surveillance.
- Explore, analyse, query and manage underutilized source of safety information.

46M
records

8,300
journals (including 3.3K not found in Medline)

5.1M
conference abstracts

10
therapeutic areas with 11M records

30M
FDA and EMA post-market reports

2.8M
extracted safety & adverse event data

Biomedical data

- Structured biomedical literature, extracted from 8.3k journals (including 3.3k not found in Medline).
- 5.1M conference abstracts from 11.5k conferences (not found in Medline).
- 95 countries represented in journal selection.

Therapeutic area full-text data

- Therapy areas include cardiovascular, endocrine, diabetes & metabolism, oncology and more.
- Structured and semi-structured data from life science journals.
- Organized by therapeutic area (rather than journal collection) for comprehensive view.

Drug safety data

- Structured data extracted from FDA, EMA regulatory documents and literature articles.
- 2.3M extracted PK data records.
- 4.1M extracted efficacy data on clinical trials from regulatory packages.
- 22M FDA FAERS.
- 2.8M extracted safety and adverse event data.

Numbers as of September 2024, rounded up, and may vary with delivery mechanism.

ELSEVIER

The elements of data quality

- Peer reviewed, highly cited article content.
- Biomedical data structured with Emtree – as recommended by EMA - Guideline on Good Pharmacovigilance Practices (GVP), UK's NICE Interim Clinical Guideline Surveillance Process and Methods Guide and more.
- Human expertise in manual excerption, data science and the scientific domain ensures data accuracy.
- Continual investment in AI/ML excerption drives quality data.
- Clear provenance for evidence-based decisions.
- Semantic enrichment using ontologies adhering to public standards and custom vocabularies.

Case study

Accelerate safety literature reviews without loss of precision and recall

Discover how Elsevier data is used to detect the presence or absence of reported safety signals in a drug.

Read the full story

Flexible delivery into workflows

Supporting interoperability with your workflows. Enhanced support (consultancy and scripts) for effective data integration.

API

JSON

Flat files

Xocs XML

"The deep indexing of Emtree is a really important piece of the search."

Knowledge Manager,
US Medical Technologies Organization

"An essential resource for post-market monitoring [...] I can't imagine doing that kind of safety monitoring without it."

Senior Researcher, UK

Improve your data foundations – learn more:
elsevier.com/solutions/datasets