

Databases of Adverse Events for Vaccines and Drugs

A list generated by AI

Here's the most comprehensive list currently available of countries and regions that provide **downloadable databases** or structured access to adverse drug reaction (ADR) reports

Whilst these databases and dashboards provide valuable data, none of them offers an objective calculation of the incidence rate of different drugs for any symptom. Consequently, none of the government databases provide a ranking of different drugs for a symptom. Comparison of relative incidence rates would enable people to choose less harmful alternatives, but people are not provided with this analysis.

Independent researchers have analysed the data to determine the relative incidence rates of a symptom for different drugs, but these studies usually confined to the study of a single symptom – with the exception of the studies listed below which calculate the relative incidence of all symptoms for every drug -

<https://howbad.info/safetysignal.html>

Global & Multinational

- **WHO VigiAccess:** Aggregated ADR data from over 130 countries via [VigiAccess](#). While individual case reports aren't downloadable, it's a solid global overview.
- **Global Vaccine Data Network (GVDN):** A multinational collaboration across 29 countries for vaccine safety studies. While not a public database, it supports large-scale data linkage for research.

us United States

- **FDA FAERS:** Offers quarterly downloadable datasets in ASCII, XML, and JSON formats via the [FDA FAERS portal](#).
- [FDA Adverse Event Reporting System \(FAERS\): Latest Quarterly Data Files | FDA](#)
- [FDA Adverse Event Reporting System \(FAERS\) Public Dashboard | FDA](#)
- <https://www.fda.gov/media/161096/download?attachment>
- <https://www.fda.gov/media/170793/download?attachment>
- **VAERS (Vaccine Adverse Event Reporting System):** Offers downloadable CSV files and access via CDC WONDER. Managed by CDC and FDA. Visit [VAERS Data](#).

CA Canada

- **Canada Vigilance:** Health Canada provides structured access through the [Canada Vigilance Adverse Reaction Online Database](#) and [Open Government Portal](#).
- [Data extracts from the Canada vigilance adverse reaction online database - Canada.ca](#)

JP Japan

- **PMDA JADER:** The Pharmaceuticals and Medical Devices Agency offers quarterly CSV files via the [JADER portal](#). Unfortunately, the Japanese data download converts the Japanese letters into English keyboard letters.

- [Adverse Drug Reaction Reporting Dataset Batch Download](#)
- [Adverse Drug Reaction Database Terms of Use | Pharmaceuticals and Medical Devices Agency](#)

EU European Union (EEA countries)

- **EudraVigilance:** Covers all EEA member states (e.g., France, Germany, Belgium). Downloadable summaries and interactive dashboards are available via adrreports.eu and data.europa.eu.
- Veterinary : [European database of suspected adverse drug reaction reports - Search](#)
- <https://www.adrreports.eu/en/index.html>

DE Germany

- **Paul-Ehrlich-Institut:** Provides downloadable reports on vaccine-related ADRs and contributes to EudraVigilance. See [PEI's ADR data page](#).
- <https://www.pei.de/EN/medicine-safety/pharmacovigilance/adr-data/adverse-drug-reactions-data-node.html>
- <https://www.pei.de/EN/medicine-safety/pharmacovigilance/adr-data/adverse-drug-reactions-data-node.html>
- <http://sideeffects.embl.de/se/?page=149>

GB United Kingdom

- **Yellow Card Scheme:** Offers downloadable data via the [MHRA Yellow Card portal](not in current results, but publicly known).
- <https://yellowcard.mhra.gov.uk/idaps/covid19/TOZINAMERAN>
- <https://yellowcard.mhra.gov.uk/idaps/covid19/RILTOZINAMERAN%20AND%20TOZINAMERAN>
- <https://yellowcard.mhra.gov.uk/idaps/covid19/CHADOX1%20NCOV-19>
- <https://yellowcard.mhra.gov.uk/idaps/covid19/ELASOMERAN>
- <https://yellowcard.mhra.gov.uk/idaps/covid19/ELASOMERAN%20AND%20IMELASOMERAN>
- <https://yellowcard.mhra.gov.uk/idaps/covid19/SARS-COV-2%20VIRUS>
- <https://yellowcard.mhra.gov.uk/idaps/covid19/SARS-COV-2%20RS>

FR France

- **ANSM:** While raw ADR data isn't directly downloadable, France contributes to EudraVigilance and offers searchable drug safety info via [ANSM](not in current results, but publicly known).

AU Australia

- **DAEN (Database of Adverse Event Notifications):** Provides downloadable summaries via the [TGA website](not in current results, but publicly known).
- <https://daen.tga.gov.au/medicines-search/>
- [Database of Adverse Event Notifications \(DAEN\) – medicines](#)

Academic & Aggregated Resources

- **nSIDES / OnSIDES / KidSIDES**: Research-driven databases from the Tatonetti Lab, aggregating ADRs from global drug labels including Japan, UK, and EU. Available via [nSIDES](#).

New Zealand:

You can access adverse drug reaction data for New Zealand through the **New Zealand Pharmacovigilance Database**, managed by **Medsafe**.

Where to find it:

- The [Medsafe Adverse Reaction Reporting page](#) provides detailed annual summaries, including breakdowns by drug, age group, ethnicity, and seriousness of reaction.
- The **Suspected Medicine Adverse Reaction Search (SMARS)** tool offers public access to anonymized reports. You can search by medicine name, reaction type, and date range. While not a bulk download, it allows detailed exploration and export of individual case summaries.
- <https://www.medsafe.govt.nz/safety/SMARS/SMARS.asp>
- [How to Search SMARS](#)
- [SMARS Disclaimer](#)
- [SMARS](#)
- Since **October 2023**, Medsafe transitioned to a modern digital database, improving access and processing speed. Reports are now submitted directly to Medsafe and assessed jointly with the Centre for Adverse Reactions Monitoring (CARM).

Helpful notes:

- Reports are coded using **MedDRA terminology**.
- The database includes both **vaccine and non-vaccine** reactions. In 2023, over 5,500 reports were received, with clozapine and Comirnaty (COVID-19 vaccine) among the most frequently reported substances.

France :

Below are the main routes to get France's ADR data, from pan-EEA sources down to national-level extracts.

1. EudraVigilance (ADRReports) Portal

Website (English): <https://www.adrreports.eu/en/index.html>

Search by medicine name or active substance, then export web reports.

Data covers centrally-authorised and non-centrally authorised products.

2. European Open Data (data.europa.eu)

Machine-readable monthly snapshots of the entire EudraVigilance database.

Dataset Name	URL	Format
Suspected adverse drug reaction reports (EudraVigilance)	https://data.europa.eu/data/datasets/suspected-adverse-drug-reaction-reports?locale=en	HTML (API); RSS
Bulk downloads (per month)	Via the "Distributions" section on the landing page	CSV

Updated monthly, under an Open Data licence for automated scripting and analysis.

3. ANSM Pharmacovigilance Reports

The French national authority publishes annual and quarterly summaries, with breakdowns by substance and reporter.

ANSM ADR Statistics page:

<https://ansm.sante.fr/S-informer/Informations-publications/Pharmacovigilance/Statistiques-de-pharmacovigilance-rapports-annuels>

Files available in PDF, with some tables as embedded Excel/CSV downloads.

For more granular or historical extracts not directly published, see section 4.

4. Direct Bulk Extracts from ANSM

To obtain the full-scope CARM-equivalent dataset or fields beyond public summaries:

Email the ANSM pharmacovigilance team at pv@ansm.sante.fr

Specify:

Date range (e.g., 2001–present)

Desired fields (patient demographics, drug suspected, reactions, outcomes)

Preferred format (CSV or XLSX)

Reference the Official Information framework if needed.

ANSM can supply machine-readable bulk extracts upon formal request.

With these resources, you can move from high-level trends in France to case-level ADR data for deep analysis.