

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 9, 2026

EPILEPSIE database

RRID:SCR_003179

Type: Tool

Proper Citation

EPILEPSIE database (RRID:SCR_003179)

Resource Information

URL: <http://epilepsy.uni-freiburg.de/database>

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Description: A comprehensive database for human surface and intracranial EEG data that is suitable for a broad range of applications e.g. of time series analyses of brain activity. Currently, the EU database contains annotated EEG datasets from more than 200 patients with epilepsy, 50 of them with intracranial recordings with up to 122 channels. Each dataset provides EEG data for a continuous recording time of at least 96 hours (4 days) at a sample rate of up to 2500 Hz. Clinical patient information and MR imaging data supplement the EEG data. The total duration of EEG recordings included exceeds 30000 hours. The database is composed of different modalities: Binary files with EEG recording / MR imaging data and Relational database for supplementary meta data.

Synonyms: EPILEPSIAE Project Database, European Epilepsy Database

Resource Type: database, data or information resource

Defining Citation: [PMID:22738131](#)

Keywords: seizure, electroencephalography, mri, eeg recording, metadata, intracranial, surface, time series analyses, brain activity, brain, clinical, image collection

Related Condition: Epilepsy

Funding: Excellence Initiative of the German Federal and State Governments ;
European Union 211713;
BMBF 01GQ0420;
German Science Foundation Ti 315/4-2

Availability: Free, Freely available

Resource Name: EPILEPSIE database

Resource ID: SCR_003179

Alternate IDs: nlx_156892

Alternate URLs: <http://www.nitrc.org/projects/epilepsiaedb> <http://epilepsy-database.eu/project/> <http://www.epilepsiae.eu> <http://epilepsy-database.eu>

Record Creation Time: 20220129T080217+0000

Record Last Update: 20260808T190355+0000

Ratings and Alerts

No rating or validation information has been found for EPILEPSIE database.

No alerts have been found for EPILEPSIE database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Zeng M, et al. (2021) GRP-DNet: A gray recurrence plot-based densely connected convolutional network for classification of epileptiform EEG. Journal of neuroscience methods, 347, 108953.

Kurdthongmee W, et al. (2020) Optimisation of deep neural networks for identification of epileptic abnormalities from electroencephalogram signals. Heliyon, 6(12), e05694.

Gajic D, et al. (2015) Detection of epileptiform activity in EEG signals based on time-frequency and non-linear analysis. Frontiers in computational neuroscience, 9, 38.