

Tools and resources for longitudinal (and other) research in the field of perinatal mental health

General and Open Science Practices

- APH Research Quality Handbook: <https://aph-qualityhandbook.org/>

Study design

- Catalogue of bias: <https://catalogofbias.org/>
- Radom number generator: <https://www.random.org/>
- SPIRIT guidelines to design your protocol: spirit-statement.org
- PRISMA statement for systematic reviews: DOI: <https://doi.org/10.1136/bmj.n71>
- AMSTAR checklist for systematic reviews: https://amstar.ca/Amstar_Checklist.php
- Meta analysis of observational studies checklist: https://www.elsevier.com/_data/promis_misc/ISSM_MOOSE_Checklist.pdf
- Perspectives in clinical research: www.picronline.org
- Cochrane: <https://www.cochrane.org/>

Finding existing data

- Longitudinal studies and datasets: <https://www.landscaping-longitudinal-research.com/>
- Growing up in Ireland: <https://www.growingup.gov.ie/>
- Generation2: <https://www.generaties2.nl/>
- ALSPAC Study: <http://www.bristol.ac.uk/alspac/>
- Mammi Study: www.mammi.ie
- Ice Storm Project: <https://www.mcgill.ca/projetverglas/>
- Birth Lab: <https://www.birthplacelab.org/>
- OpenAire: <https://www.openaire.eu/>
- TILDA study: <https://tilda.tcd.ie/>
- European Social Survey: <https://www.europeansocialsurvey.org/>
- National data from Belgium: <https://www.vlaanderen.be/>
- UNESCO Open Access: <https://en.unesco.org/open-access>
- European Open Science Cloud Scientific data repositories: https://research-and-innovation.ec.europa.eu/strategy/strategy-2020-2024/our-digital-future/open-science/european-open-science-cloud-eosc_en

Document your project

- The Turing Way handbook to reproducible, ethical and collaborative data science: <https://the-turing-way.netlify.app/welcome.html>
- research data management: <https://www.uu.nl/en/research/research-data-management/guides/informed-consent-for-data-sharing>
- Implement an open reproducible code workflow WORCS: <https://content.iospress.com/articles/data-science/ds210031>
- Version control Github: <https://github.com/>

Register your project

- Open Science framework (OSF): <https://osf.io>
- Zenodo: <https://zenodo.org/>
- ASPREDICTED: <https://aspredicted.org/>
- Research registry: <https://www.researchregistry.com/>
- Registration of study protocols for Systematic reviews (Prospero): <https://www.crd.york.ac.uk/prospero/>
- Registration of study protocols for Systematic reviews (JBI): <https://jbi.global/systematic-review-register>
- Registration of and information about clinical trials: <https://clinicaltrials.gov/>

Data-analysis

- Power analysis: <https://www.psychologie.hhu.de/arbeitsgruppen/allgemeine-psychologie-und-arbeitspsychologie/gpower>
- Learning to use R, up to multilevel modelling: <https://github.com/seanchrismurphy/A-Psychologists-Guide-to-R>
- Mplus code for mediation, moderation, and moderated mediation models: https://www.researchgate.net/publication/311511623_Mplus_code_for_mediation_moderation_and_moderated_mediation_models
- Which statistical test to use: <https://stats.oarc.ucla.edu/other/mult-pkg/whatstat/>
- UCLA Stats Page (has info on data analyses with R, SAS, SPSS, Stata, Mplus and recorded lectures on different statistical procedures within these programs): <https://stats.oarc.ucla.edu/>
- Covidence (screening & data extraction ex. meta analysis of longitudinal data): <https://www.covidence.org/blog/how-to-extract-study-data-for-your-systematic-review/>
- Mplus discussions and tutorials <http://www.statmodel.com/discussion/messages/board-topics>
- Webinars and slides on moderation, mediation, and dyadic data analysis (mostly APIM): <https://davidakenny.net/>
- SEM: <http://sachaepskamp.com/SEM2020>

- QUAGOL (Qualitative Analysis Guide of Leuven): <https://pubmed.ncbi.nlm.nih.gov/21996649/>

Software for quantitative and qualitative analyses:

- Software for qualitative and mixed methods data analysis MAXQDA: <https://www.maxqda.com/>
- Qualitative Data Analysis Software NVIVO: <https://lumivero.com/products/nvivo>
- STATA: <https://www.stata.com/>
- SPSS: <https://www.ibm.com/products/spss-statistics>
- AMOS: <https://www.ibm.com/nl-en/products/structural-equation-modeling-sem>
- RAYYAN AI for systematic reviews: <https://www.rayyan.ai/>
- Systematic review management COVIDENCE: <https://www.covidence.org/>

How to find appropriate journals

- Journal / Author Name Estimator: <https://jane.biosemantics.org/>

- Elsevier journal finder: <https://journalfinder.elsevier.com/>
- Scimago journal & country rank: <https://www.scimagojr.com/>

Writing

- Reporting guidelines for main study types: <https://www.equator-network.org/reporting-guidelines/consort/>
- Strengthening the reporting of observational studies in epidemiology: <https://www.strobe-statement.org/>
- Citation styles: https://owl.purdue.edu/owl/research_and_citation/index.html
- Online paraphrasing tool Quillbot: <https://quillbot.com/>
- DeepL translator: <https://www.deepl.com/en/translator>

Software for writing

- Zotero to collect, organize, annotate, cite, and share research: <https://www.zotero.org/>
- Endnote: <https://endnote.com/>
- Mendeley: <https://www.mendeley.com/>
- Diplo: <https://www.bibme.org/diplo/software-citation>
- Grammarly: <https://www.grammarly.com/>

Data Repositories

- Open Data - PLOS: <https://plos.org/open-science/open-data/>
- A restricted access data library: <https://nyu.databrary.org/>
- Dataverse NL: <https://dataverse.nl/>
- Zenodo: <https://zenodo.org/>
- Dryad: <https://datadryad.org/stash>

Courses

- Ethics - Good clinical practice certificate: <https://elearning.trree.org/enrol/index.php?id=6>
- Different course on a lot of topics (lot of them are free or you only have to pay for the certificate): <https://www.coursera.org/>

Finding articles

- Open access Journal BMJ Open: <https://bmjopen.bmj.com/>
- Open access Journal Sage: <https://journals.sagepub.com/home/sqo>
- SCI-HUB: <https://sci-hub.ee/>
- Research Gate: <https://www.researchgate.net/>
- TARA - research registry Trinity College Dublin: <http://www.tara.tcd.ie/>
- Academia: <https://www.academia.edu/>