

A guide for access to ANDA data analysis

What is ANDA?

The purpose of ANDA is to undertake the collection, collation, analysis, audit and reporting of clinical diabetes and patient education and self-care data from diabetes services across all states and territories in Australia. The Division of Metabolism, Ageing and Genomics, School of Public Health and Preventive Medicine, Monash University, is the custodian of the ANDA database.

What data are available?

The ANDA Data Dictionary lists the fields currently collected. ANDA data undergoes a series of data integrity and quality checks before it is available to researchers. The completeness of data fields is improving as the ANDA project progresses.

What steps should I take if I have a research question that I would like to address with multi-centre data?

Make contact with the ANDA Data Manager to discuss the proposal. The ANDA Secretariat and ANDA Scientific Advisory Committee members are very familiar with ANDA data as well as related areas of research. Therefore they are able to provide advice regarding the feasibility of any prospective projects. The ANDA Secretariat can explain the approval process and advise on submission for access to data via the 'ANDA Analysis Proposal Form'.

What information do I need to provide when applying for multi-centre patient data?

Project details: Project Leader (lead person) and supervisor (if applicable) – Name, Phone, Email, Institution

Other collaborators – Name, Phone, Email, Institution

Details of students (if applicable) involved in project- Name, Course, Institution,

Sources of funding

Brief title of the project and a lay synopsis of your proposed project (75-100 words) that can be published on the ANDA website if the project is approved

Time frame of the project (start/finish dates and expected paper/abstract submission dates)

The science: Description of the science of your research project, including the background and rationale, your hypotheses, variables- outcome and predictor, and main method of analysis, expected outcomes and likely target audience. You can enter this information into the form or attach documents to the application. Provide sufficient information about the science of your research.

Members of the ANDA Scientific Advisory Committee will evaluate your research project based on the information you provide regarding scientific quality and the potential impact of the research.

The data required: The data fields required and the format of the data extract. The data fields and field definitions can be found in Appendix C2.

The people involved: Who will provide substantive expertise and input? Who will provide statistical expertise and input?

Submitting your application.

Forward your 'ANDA Analysis Proposal Form' and any attachments to the ANDA Secretariat. The ANDA Scientific Advisory Committee will review applications on an as needs basis. The ANDA Scientific Advisory Committee will apply the following criteria when assessing your application:

- Are the data available and adequate to address the objective?

- Does the proposal overlap with existing planned studies?
- Are the aims of the proposal consistent with the overall aims of ANDA?
- Is the study seeking to use the data from all ANDA Centres or only some?
- Is the analysis feasible with respect to involvement of a skilled statistician and realistic timeline to publication?
- Will the outcomes of the analysis be scientifically valid, with respect to generalisability of the sample and issues such as statistical power?
- Is the study in the best interests of ANDA participants?
- Is the study consistent with the aim to encourage a wide range of investigators to take on the lead roles?
- Assess whether the proposal has any ethical implications.
- Assess any cost implications.

You will be contacted by the ANDA Secretariat with an approval, rejection or request for further information.

My proposal has been approved, what next?

The lead investigator (on behalf of the group) named on your proposal will be required to sign a Data Access Agreement form.

The ANDA Secretariat and ANDA Data Manager will then work with you to provide a data extract.

If your proposal is for a conference abstract you will be required to forward a draft to the ANDA Secretariat for ANDA Scientific Advisory Committee approval. To meet conference abstract submission deadlines you should allow at least two weeks for this review process when planning your abstract.

If your proposal is for a publication in a scientific journal and you are a member of the ANDA Study Group, the ANDA Principal Investigators will work with you to form a writing committee. If you are not from the ANDA Study Group you may wish to invite a member of the ANDA Study Group to co-author, however this is not a requirement for access to ANDA data. You will need to forward a final draft of the manuscript to the ANDA Secretariat for approval of the ANDA Scientific Advisory Committee prior to publication. To meet publication submission deadlines you should allow at least two weeks for this review process when planning your publication.

What do I need to include in my manuscript/abstract?

Manuscripts and abstracts that include multi-centre data must include:

- the date of the data extract and list ANDA as the source of data;
- 'ANDA Study Group' in the author list;
- an appendix listing the ANDA Study Group participants (manuscripts);
- the following acknowledgement :

“The data on which this paper (book, monograph, abstract, or report) is based was collected as part of the Australian National Diabetes Audit. We thank the participating diabetes centres for their time and generous contribution to the data collection.”;

and

“The Australian Department of Health funds the Australian National Diabetes Audit.”

And where applicable acknowledge other persons who have provided comments, advice, support or other input into the paper, who are not already listed as authors; research assistants, technical officers, and 'non-authors' who contribute; additional funding bodies.

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