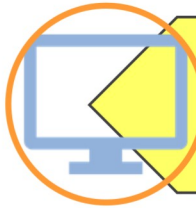




UK Islet Autoantibody Registry (UKIAb Registry)



WHAT IS THE REGISTRY?

- A list of children, young people and adults who have markers in their blood (islet autoantibodies) that indicate they are at risk of developing type 1 diabetes (T1D).
- Having 2 or more markers tells us that the process of T1D has begun.



WHY IS THE REGISTRY IMPORTANT?

- We want understand what it is like to live with knowing you are at risk of T1D
- To understand what support is needed
- To understand how long it takes people to develop T1D
- To offer new research or a treatments to delay T1D, should they become available.



WHO ARE WE?

- The registry is led by the University of Oxford and funded by Diabetes UK.
- The team includes a group of diabetes doctors, psychologists, scientists and researchers from across the UK, as well members of the public.



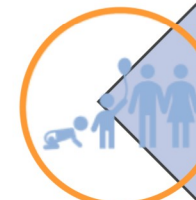
WHY JOIN?

- Access to advice and support: find out what it means if you have these markers and the options for follow-up
- Learn about new treatments and research to delay or prevent T1D
- Help us understand and tailor the support required for people at risk for T1D
- Help shape future care policy and delivery



WHAT DOES TAKING PART INVOLVE? You will be asked to:

- Provide agreement to share medical and family history data when you first join
- Complete a brief questionnaire once per year
- Allow your data to be linked to your NHS records (optional)
- You may be invited to take part in an interview study (optional)



WHO CAN JOIN?

- Anyone with:
- A positive T1D blood marker (islet autoantibody) test
 - Aged 6 months to 70 years
 - Living in the UK



Visit www.ukiab.org for more information and to register



PARTICIPANT INFORMATION SHEET (Adult)

UK Islet Autoantibody Registry (UKIAb Registry)

We would like to invite you to take part in our research study. It is entirely voluntary and, before you decide whether to take part, we would like to give you some information on what it would involve. You can take part in some or all of the studies. Please take some time to read this information and discuss it with friends or relatives. If anything is unclear, our contact details are at the end of this form. If you need a copy of this information sheet in another language, please contact the UKIAb Registry team using the details at the end.

What is the purpose of the registry?

Type 1 diabetes (T1D) is a life-long condition where the immune system destroys part of the body (the pancreas) which makes the chemical, insulin. Insulin is needed to control blood sugar levels. Treatment involves life-long insulin replacement by injection or insulin pump.

What are type 1 diabetes antibodies?

Type 1 diabetes antibodies, also called islet autoantibodies (IAb), are markers found in the blood which indicate that an individual is more likely to get T1D. They can be found in the blood months or years before symptoms of T1D appear.

Two or more IAb – what does it mean?

If two or more T1D antibodies are found, this shows that a child is already in the early stage of T1D, although there may be no symptoms for months or years. If a child has normal blood glucose levels (this is called normoglycaemia, or stage 1 T1D), there is an 80%–90% chance of them needing insulin before the age of 18 years and 100% during their lifetime. If a child already has abnormal blood glucose levels (this is called dysglycaemia, or stage 2 T1D), the chance of them needing insulin is around 75% over the next 5 years. Less is understood about the natural history of being IAb positive in adults, and we hope this study will help us understand more.

One IAb – what does it mean?

People with only one IAb are at risk of T1D and are less likely to develop T1D (around 15%).

Our goals

We would like to establish a registry of children and adults with T1D IAb in order to:

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- Keep in contact with people with IAb – we will tell you about any treatments (if available) that could delay or prevent the need for insulin, or opportunities for your child to take part in research
- Understand what it is like knowing your child has islet autoantibodies in order to help develop better resources to support people
- Collect data on how fast T1D develops
- Understand whether people with IAb use NHS services more than others; for example, due to being anxious about developing stage 3 T1D

Why have I been invited?

- You have been invited because a test has shown that you have one or more T1D IAb, or you have taken part in a T1D related study (e.g., ADDRESS-2)
- We are aiming to recruit around 350 children and adults (aged 6 months – 70 years)

Do I have to take part?

- No, taking part is entirely voluntary. If you decide to take part but later change your mind, you can withdraw at any time and without giving a reason
- If you decline to take part or take part and then later withdraw, this will not affect your legal rights, or any clinical care you may be receiving

What will happen if we decide to take part?

In addition to the registry, you can also consent to take part in one or both of the following sub-studies:

- *Data Linkage study*
- *The interview study*

The Registry

We will ask you to complete a consent form (either online or on paper) confirming your participation. If you need help, one of our study nurses can go through the form with you.

You will need a confirmatory IAb test if:

- You have been tested in clinical care (by your GP or in hospital) or have been part of the ADDRESS-2 study.

If you were originally tested via another research study, and you last test was more than 12 months ago, we will offer you a repeat T1D IAb test (this is optional).

- The T1D IAb test is done via a finger prick blood test at home, using a kit we provide you. We will need to collect your name and address in order to send the kit to you, and your initials will be entered on to the study screening log. Please see 'What will happen to my data?' for more information

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- Once the results of the test have been confirmed, you will be notified of the test result and whether you are eligible and have successfully joined the registry. With your consent, we will notify your GP of your test result and enrolment in the registry.
- If you were originally tested via clinical care or via a commercial test, and the confirmatory test comes back negative, we can offer another screening test after 3 months.
- We will collect some information from you at the start of the study, such as medical and family history, your T1D IAb test result, how you found out about the study and your contact details so that we can follow up with you about your health status and contact you about future research.
- We will contact you once a year to complete a brief questionnaire about your health service usage.

We will offer you a follow-up T1D IAb test 12 months after enrolment, if:

- You Initially tested positive for T1D IAb via a research study, and the Registry identifies them as negative
- You are not already being followed up in another research programme

This test is optional.

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What should I consider?

By taking part, you can agree to:

- Allow us to use your details to access and use the information in your routinely collected NHS records (optional)
- Allow us to share de-identified (pseudonymous) data with other researchers if they have scientific and ethical approval for the questions that they would like to answer with the information, and have the right training (optional)
- Be contacted about future research studies and/or treatments (optional)
- Please note that you can join the registry without agreeing to the above

Are there any possible disadvantages or risks from taking part?

If you need to take the test to confirm your T1D IAb status, this will require a finger prick blood sample. This can be done at home with a kit we will send you. There may be a small amount of redness and temporary soreness where the blood was taken from the finger.

We will contact you via email or letter to confirm the results of your IAb test, and, with your consent, will also inform your GP.

We understand that you may have worries about your health and potential to develop T1D, and there are links to further resources on the study website www.ukiab.org , or you can talk to one of our team.

What are the possible benefits of taking part?

- By taking part, you may be offered the chance to take part in research studies and be offered new treatments to delay or prevent T1D, if they become available.

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- We will contact you if new studies or treatments become available, and a list of studies currently accepting participants can be found on the UKIAb Registry website, in the 'Find out more' section: www.ukiab.org

Will my General Practitioner (GP) be informed of my participation?

Yes, if you consent to this, we will notify your GP of your participation in the registry and your T1D IAb results (if you are tested as part of the registry). Notifying your GP will ensure that they are aware of your antibody status.

Will taking part in the study be kept confidential?

Yes. All study records and samples will be identified only by a unique study code. We will only use names, date of birth, postcode and NHS numbers where this is necessary to link to your NHS records and contact you about the study. Information that can identify you will be held securely by the University of Oxford.

Will I be reimbursed for taking part?

- There are no payments for taking part in the registry.

What will happen to the samples I give?

- If you provide a blood sample to confirm your T1D IAb status, your sample and any information recorded about you will be assigned a study code that is used, instead of your name or other identifiers, to help keep your information confidential.
- The sample will be sent to the Alistair Williams laboratory in Bristol, for analysis.
- If you take a test to confirm your IAb status, any sample remaining will be destroyed once we have the result of the test.

What will happen to my data?

Data protection regulation requires that we state the legal basis for processing information about you. In the case of research, this is 'a task in the public interest.' The University of Oxford is the sponsor for this study. The University of Oxford and the Trusted Research Environment (TRE) provider (if you consent to data linkage) are the data controllers, and are responsible for looking after your information and using it properly.

Responsible members of the University of Oxford, regulatory authorities and the relevant NHS Trust(s) may be given access to data for monitoring and/or an audit of the study to ensure that the research is complying with applicable regulations.

Further information about how health and care researchers use information from patients, service users and other participants in research can be found on the Health Research Authority website: www.hra.nhs.uk/patientdataandresearch

Future research

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If you agree to your details being held to be contacted regarding future research, we will retain a copy of your consent form securely until such time as your details are removed from our database. We will keep the consent form and your details separate from one another, and any research data.

We will also seek your consent to use your de-identified data in future ethically-approved research.

Data released to researchers may only be used and shared for scientific and health-related research. Scientific and health-related research includes basic research, applied research, and commercially and/or publicly funded/sponsored research aimed at developing new ways to diagnose, treat and prevent health problems. Commercially sponsored health care research is funded and sponsored by private sector organisations, for example pharmaceutical companies, and can take place in NHS or non-NHS settings.

Your de-identified data may also be transferred to recipients in countries outside of the UK/EU. In these countries, the level of data protection may be lower. In order to ensure the protection and confidentiality of the de-identified data, appropriate protection and security measures are taken by the data provider and data recipient.

Requests for access to the data generated through the registry will be controlled by the Data Access Committee, which is comprised of members of the Study Management, Study Steering Committee (which provides independent oversight) and the Patient and Public Involvement Groups. We will only consider projects that have appropriate ethical approval.

Data management

We will store any research documents with personal information, such as consent forms, as part of the research record, securely at the University of Oxford until 3 years after the youngest subject reaches 18 years old or 5 years after the end of the study, whichever is longer. This will be a maximum of 21 years after the study ends. We will keep any other identifiable information about you for 12 months after the study has finished.

The study team will use your name, NHS number, home address and contact details to contact you about the research study and to oversee the quality of the study.

Your study data will be assigned a unique study number. Only our research team will have access to the data and it will be stored securely at the University of Oxford, and the TRE.

Data protection regulation provides you with control over your personal data and how it is used. However, when you agree to your information being used in research, some of those rights may be limited in order for the research to be reliable and accurate. Further information about your rights with respect to your personal data is available at <https://compliance.web.ox.ac.uk/individual-rights>

You can find out more about how we use your information by contacting ukiab@ndm.ox.ac.uk

What will happen if I don't want to carry on with the study?

You can withdraw from the registry at any time without needing to provide any explanation. If you do decide to withdraw, we will continue to use any data we have already collected up until that point, as

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outlined in this information sheet.

If you choose to stop taking part in the study, we would like to continue collecting information about your health from central NHS records. If you do not want this to happen, tell us and we will stop.

Withdrawal from the registry will not affect your legal rights, or any medical care you may be receiving.

Data Linkage Study

We will seek your consent to follow up your health status and health service use via central NHS registers. For more information about the use of routine data in research, please see these videos created by the Centre for Trials Research in Cardiff:

<https://www.youtube.com/watch?v=OTSXVSqIF9E>

https://www.youtube.com/watch?v=f5JUjT_oh48

Data will be collected on a regular basis into the future, unless you tell us to stop. This is optional. Please see the section ‘What will happen to my data?’ for more information.

Will taking part in the study be kept confidential?

The data held in a Trusted Research Environment (TRE) will be de-identified and held securely with the appropriate information governance and security accreditation for the purposes of the study.

What will happen to my data?

With your consent, we will be using information from your hospital/GP records, research data (if appropriate) and central NHS registries (including England, Scotland, Wales and Northern Ireland) in order to undertake this study to be able to assess the impact of screening on NHS services. We will use the minimum personally-identifiable information possible.

The data will be stored on secure servers at the University of Oxford. Linkage will occur by sending identifiers to NHS bodies, then sending de-identified data to a Trusted Research Environment (TRE) with robust security and information governance controls. NHS bodies will return the relevant datasets for linkage to the TRE without the identifiers, and these will then be linked to the de-identified registry dataset by a common linkage field. Once the data is in a TRE and linked it will be held in a non-identifiable format until a time that the data are no longer required for research purposes. It is not possible to identify individuals once the data is in a TRE and linked, due to the double encryption process.

Access to this linked dataset within a TRE will be permitted for approved projects submitted by researchers from outside the central study team.

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The Interview Study

We will be inviting some people who are eligible to join the registry to take part in an interview study to understand what it is like for people to live with a positive IAb result. We want to understand people's experiences of testing positive for IAb and their information and support needs, so we can offer better care and support to people in the future.

We will approach 12-15 parents/guardians of a child in the registry and 12-15 IAb positive adults for an interview at a later date, as well as 12-15 children aged 8 and over, if appropriate.

Agreeing to be approached for an interview is optional and will not affect your ability to take part in the Registry. If you decide you would like to be approached for an interview, this can be confirmed on the consent form. We will then select individuals to invite to interview, so that we have a range of parent/participant experiences.

If you have consented and are invited to take part in the interview, you would be interviewed over the phone or via a video call at a time and date which is most convenient to you.

- Your interview would be conducted by an experienced and independent interviewer based at Edinburgh University, and recorded using an encrypted digital recorder.
- The interview is expected to take around 45 minutes, but may last longer.
- You can decline to answer any of the questions if you wish to do so, and you can stop the interview at any time without giving any reason.

Will taking part in the study be kept confidential?

For the study interviews, nobody will be told whether or not you have taken part. All information that you supply to us during the course of the research (e.g., your contact details to arrange an interview) will be kept strictly confidential and will be used solely to contact you on a one-to-one basis about the interview study.

The interview would be audio-recorded using an encrypted digital recorder and sent securely to a professional external company (First Class Secretarial) to be typed up into a transcript. The transcription company will sign a confidentiality agreement with the University of Edinburgh before any recordings are shared with them.

All information that could potentially identify participants will be removed at the point of transcription. Interview audio recordings will be destroyed as soon as the transcripts have been checked. The professional transcription company will be held to the same levels of confidentiality as the researchers. Nothing that could identify you will be kept in the typed-up transcript. When findings from the study are written up, we may use your words as examples attached to a pseudonym but in a way where it will not be possible to identify you.

The data collected as part of the interview study, will be shared and stored with the University of Oxford, as sponsor for the research. The data will be stored on secure servers and access will be

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restricted to members of the study team.

What are the possible benefits of taking part?

- For the interview, we will be using the findings to improve the information and support given to people and their families who receive a positive T1D IAb result, and to shape care policy in the future.

Are there any possible disadvantages or risks from taking part?

- We understand that you may find it difficult talking about living with the knowledge of being IAb positive. Our trained researchers can signpost you to help and support, or can direct you to one of our team if you would like to discuss your concerns further.

Will I be reimbursed for taking part?

- If you take part in the interview study, we will offer you a £40 high street voucher, to compensate you for your time, at the end of your interview.
- If you require any financial support to enable you to take part e.g., mobile phone vouchers, please contact our researchers, as we may be able to help.

General Considerations

What happens at the end of the study?

After the study ends the overall results will be shared. We will present anonymised results at scientific meetings and the findings will be written into a research paper for publication.

Study updates and publications can be found on the registry website: www.ukiab.org

What if there is a problem?

If you have a concern about any aspect of this study, please contact the study team: ukiab@ndm.ox.ac.uk They will do their best to answer your questions.

The investigators recognise the important contribution that volunteers make to medical research, and will make every effort to ensure your safety and wellbeing. The University of Oxford, as the research sponsor, has appropriate insurance in place in the unlikely event that you suffer any harm as a direct consequence of your taking part in this study. If something does go wrong, and you are harmed during the research, and this is due to someone's negligence, then you may have grounds for a legal action for compensation. While the Sponsor will cooperate with any claim, you may wish to seek independent legal advice to ensure that you are properly represented in pursuing any complaint. The study doctor can advise you of further clinical action and refer you to a doctor within the NHS for treatment, if necessary.

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If you wish to complain about any aspect of the way in which you have been approached or treated, or how your information is handled during the course of this study; contact Dr Rachel Besser rachel.besser@well.ox.ac.uk or you may contact University of Oxford Research Governance, Ethics & Assurance (RGEA) at rgea.complaints@admin.ox.ac.uk or on 01865 616480.

How have patients and the public been involved in this study?

- We have involved members of the public in the design of the study, including those who have had diverse screening experiences.
- To develop this research question, we have involved parents of children who have been identified as having positive T1D IAb, some of whom are living with T1D themselves.
- For more information on taking part in research, see: <https://www.nihr.ac.uk/patients-carers-and-the-public/i-want-to-take-part-in-a-study.html>

Who is organising and funding the study?

This study is organised by the University of Oxford and funded by Diabetes UK. The study is also supported by the National Institute for Health Research (NIHR) and Oxford Biomedical Research Centre (BRC).

Who has reviewed the study?

All research in the NHS is looked at by an independent group of people, called a Research Ethics Committee, to protect participants' interests. This study has been reviewed and given a favourable opinion by South Central - Berkshire Research Ethics Committee.

Participation in future research:

If you agree to allow us to contact you for future research, your contact details would be held separately from this study on a secure database, which will be password-protected and accessible only by our research team at the Centre for Human Genetics, University of Oxford.

Any contact will come from our research team first, and agreeing to be contacted does not mean you have to take part. We can also remove these details from this register at any time if you wish.

Further information and contact details:

If you have any queries, we'd love to hear from you. Please contact the UKIAb Registry team via email: ukiab@ndm.ox.ac.uk

Thank you for reading about our study

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