



Dr Raghieb Ali OBE  
Chief Medical Officer and Joint Chief Investigator

Like many countries, we face an increasing burden in the UK from treating late-stage chronic disease

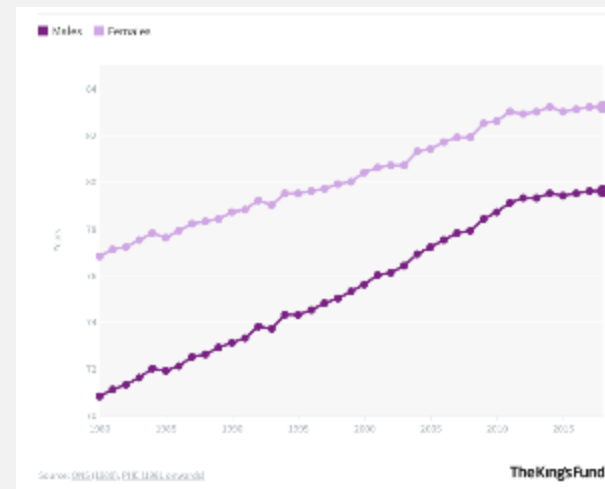
In the UK, there are 2.5 million people living with **cancer** and by 2030 this figure may be as high as 4 million

The number of people with **diabetes** is expected to increase from 3.9 million people in 2017 to 4.9 million in 2035

There are more than 100,000 hospital admissions each year due to heart attacks. **CVD** is estimated to cost £19bn a year.

The cost of **dementia** is expected to more than double from £26bn in 2015 to £55bn in 2040

Despite the advances in health care, increases in healthy life expectancy have stalled



# Our Future Health

A world-leading resource for early detection and prevention research

In partnership with



- The UK's largest ever health research programme, designed to enable the discovery and testing of more effective approaches to prevention, earlier detection and treatment of diseases
- It will collect and link multiple sources of health and health-relevant information, including genetic data, across a cohort of 5 million people that truly reflects the UK population
- A resource for academic and commercial researchers to undertake discovery research on early indicators of disease, plus the opportunity to re-contact participants on a risk-stratified basis for further research

## At enrolment:

- Self-report health and lifestyle questionnaire
- Physical measures
- Blood sample

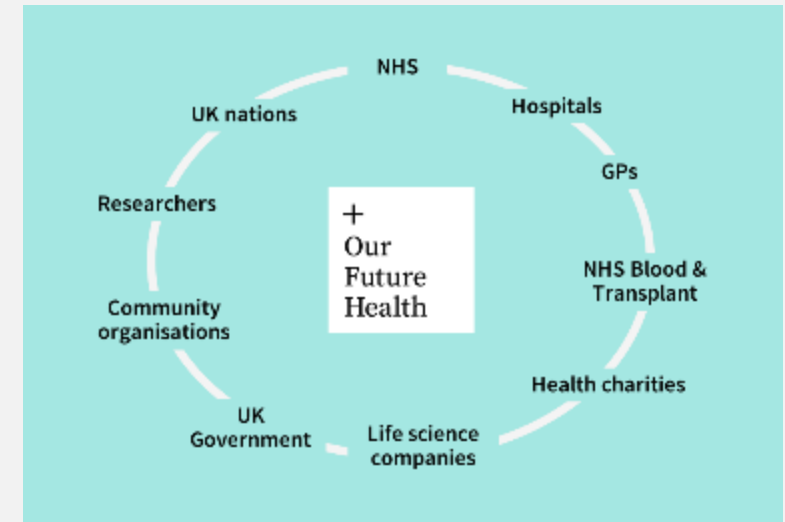
- Consent to link with NHS records and additional data sources
- Consent for re-contact to offer feedback to participants, including genetic risk
- Consent to re-contact for invite to provide additional data collection, samples, or to take part in new clinical studies

- Stored baseline plasma, buffy coat and DNA samples
- Genotype array on all participants
- Possibility of additional sources such as digital/wearable device data collection in the future

# Our Future Health is designed to harness the power of collaboration across the life sciences sector and health system

We're combining support from industry, charities and government to build a world-leading health research programme

Backed by £160m from industry founding members, £79m from Innovate UK and supported by 14 charities



## Funders



## Affiliate charities



# Our Future Health will be a unique resource enabling discovery and translational research studies

## Data driven discovery

Data will be made available in a Trusted Research Environment

Research can be based on existing data and stored samples

## Translational research studies

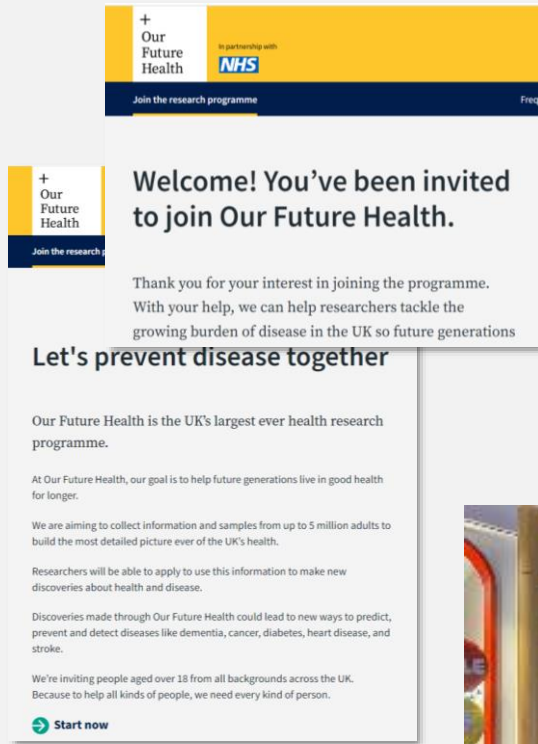
Volunteers provide consent to contact & can be selected based on characteristics, risk profile etc

Provides platform for deeper phenotyping, clinical, behavioural, research

All studies will be subject to an Access Review Process & Researcher Registration with plain English summaries being made available

# Our Future Health will recruit 5 million adults into a prospective cohort that truly reflects the UK population

## Sign-up/invitation



Welcome! You've been invited to join Our Future Health.

Thank you for your interest in joining the programme. With your help, we can help researchers tackle the growing burden of disease in the UK so future generations

### Let's prevent disease together

Our Future Health is the UK's largest ever health research programme.

At Our Future Health, our goal is to help future generations live in good health for longer.

We are aiming to collect information and samples from up to 5 million adults to build the most detailed picture ever of the UK's health.

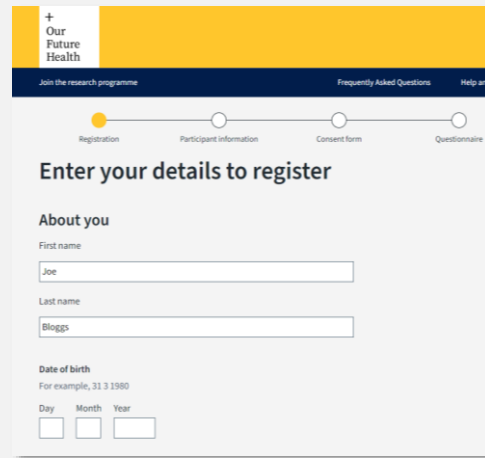
Researchers will be able to apply to use this information to make new discoveries about health and disease.

Discoveries made through Our Future Health could lead to new ways to predict, prevent and detect diseases like dementia, cancer, diabetes, heart disease, and stroke.

We're inviting people aged over 18 from all backgrounds across the UK. Because to help all kinds of people, we need every kind of person.

[Start now](#)

## Register



Enter your details to register

About you

First name  
Joe

Last name  
Bloggs

Date of birth  
For example, 31 3 1980  
Day Month Year

## Information

You'll need to complete the following steps online:

1. Register by creating an account
2. Read about the programme (Participant information)
3. Consent to take part
4. Complete a questionnaire about you and your health (5 sections)

After joining, you'll be sent a kit to provide a sample of your saliva, which you'll need to send back to us.

## Consent



Consent Form

Chief Investigator: Dr Andrew Roddam of Our Future Health

If you wish to take part in the Our Future Health research programme, please complete the following form to show you understand and agree to what it involves. You need to tick all boxes from 1 to 11 to be eligible to take part.

1. I have read and understood the Our Future Health participant information sheet dated 5 March 2021 (version 1.1). I have had the opportunity to ask questions, and these have been answered fully.
2. I understand that taking part in Our Future Health is my choice.
3. I understand that Our Future Health will access, store and link to health-related records about me held by NHS Digital and other UK NHS bodies. I understand that Our Future Health can collect and use this information for research analysis at any point during my lifetime and beyond.
4. I understand that samples of blood and/or saliva that I give to Our Future Health will be stored and analysed in future health-related research. I understand that my de-personalised samples and data could be sent to approved processors outside the UK for analysis.
5. I understand that DNA will be extracted from my blood and/or saliva samples. I understand that my DNA will be analysed for health-related research using a technology called SNP array, and that other technologies might also be used, such as genome sequencing.
6. I understand that Our Future Health might contact me again in the future, including to:
  - send me news and updates about the research programme
  - ask me about my experiences of taking part
  - ask me to complete another questionnaire
  - ask my permission to collect health-relevant information about me from other sources
  - invite me to attend an appointment to give a further blood sample
  - invite me to attend an appointment for other assessments, such as imaging
  - ask if I would like to receive personal information arising from my samples or data
  - invite me to take part in other research studies.
7. I understand that researchers approved to access the information collected by Our Future Health could be from



Physical measurements



Blood sample



1. About you and your household

How would you prefer to receive your height and weight?

Weight

In a clinic  At home

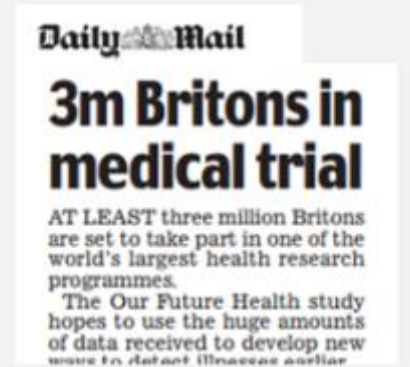
Address

Online and I prefer  At home

Questionnaire

We formally “launched” recruitment in October

253 pieces of universally positive coverage across print, online, TV and radio



And are actively recruiting with 23 appointment venues open across England  
recruiting around 1500 participants per day

Croydon



London Stratford



Manchester



Boots



Leeds



Birmingham

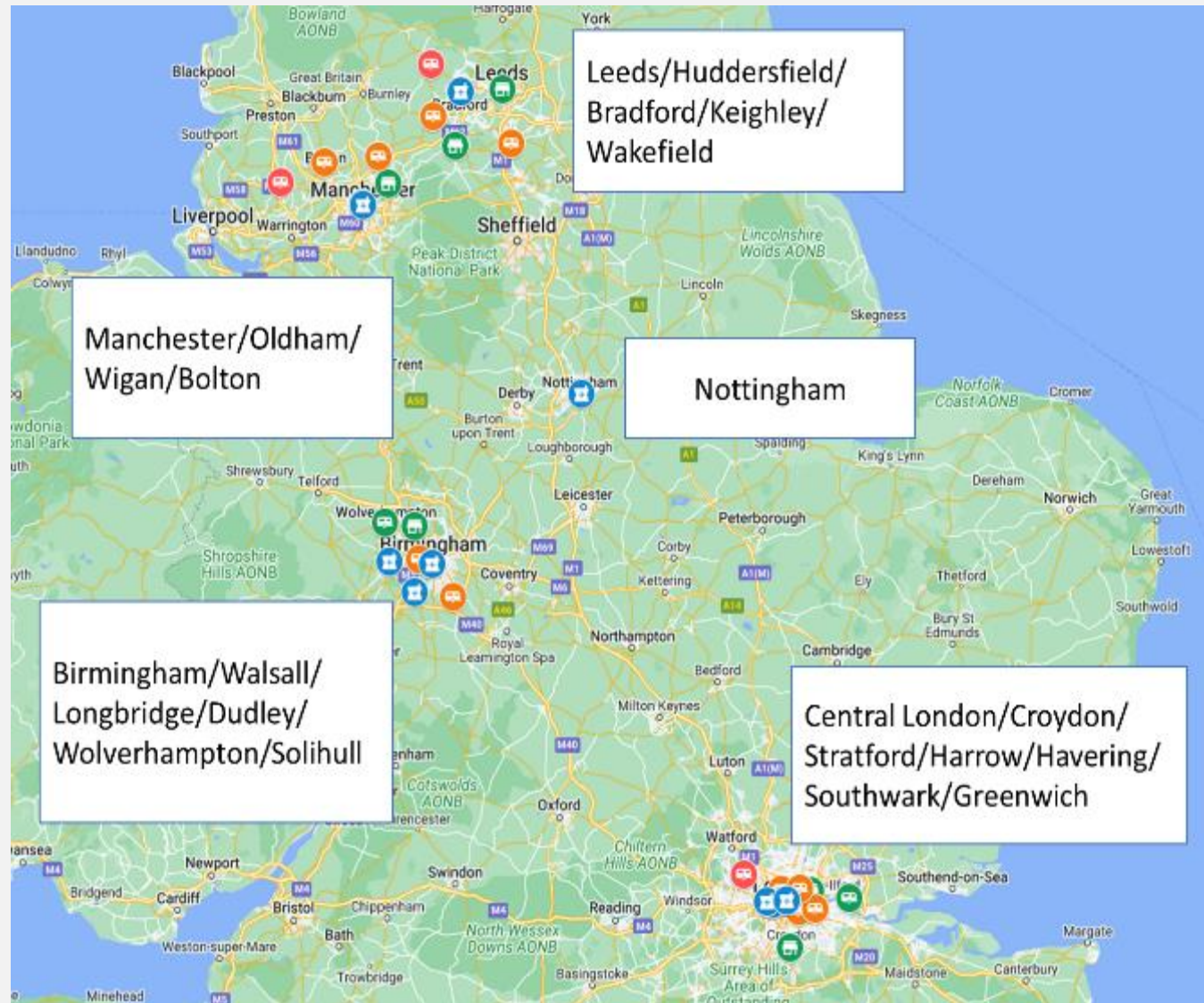


Mobile trailer units





## We are located across 4 major regions in England



To date:

- We have collected blood samples from >100,000 participants
- We have around 30,000 advance bookings
- At the end of March we will move to our next venues

We can only deliver on this scale through strong delivery partnerships which are a vital part of the programme...

Cloud platform



Genotyping with a custom SNP array



TRE and researcher billing



PRS for common diseases and traits



Appointments



Sample processing & storage



Sample processing (Wales)



Sample genotyping



Invitation letters to patients



Invitations from GP practices via SMS messages & in the myGP app

# We're continuing to engage, consult and capture views from the public...

We commissioned a survey of public attitudes towards Our Future Health and other relevant topics from [Kantar Public](#) in May-June 2022 amongst 2,763 adults

**78%**

of people reported that they would want to receive personal genetic information about their risk of preventable, serious diseases if they took part in Our Future Health

**79%**

of people agree that taking part could lead to better ways to detect diseases early

## Inside the Public Advisory Board – and how it's helping to shape Our Future Health

Our Future Health | 06.09.22

Meet the members of the public, from all walks of life, who get together to make sure our research programme represents the needs of the nation



Clockwise from top left: Martin Hughes, Pamela Grezory, Andy Bailey (Chairman), Mala Mattu, and Danielle Mitchell

# Building a detailed picture of our volunteer's using health-related data

