

Welcome to the Integrated Research Application System

IRAS Project Filter

The integrated dataset required for your project will be created from the answers you give to the following questions. The system will generate only those questions and sections which (a) apply to your study type and (b) are required by the bodies reviewing your study. Please ensure you answer all the questions before proceeding with your applications.

Please complete the questions in order. If you change the response to a question, please select 'Save' and review all the questions as your change may have affected subsequent questions.

Please enter a short title for this project (maximum 70 characters)

Intraoperative Hypotension in Elder Patients (IHypE)

1. Is your project research?

☒ Yes ☐ No

2. Select one category from the list below:

- ☐ Clinical trial of an investigational medicinal product
- ☐ Clinical investigation or other study of a medical device
- ☐ Combined trial of an investigational medicinal product and an investigational medical device
- ☐ Other clinical trial to study a novel intervention or randomised clinical trial to compare interventions in clinical practice
- ☐ Basic science study involving procedures with human participants
- ☐ Study administering questionnaires/interviews for quantitative analysis, or using mixed quantitative/qualitative methodology
- ☐ Study involving qualitative methods only
- ☐ Study limited to working with human tissue samples (or other human biological samples) and data (specific project only)
- ☒ Study limited to working with data (specific project only)
- ☐ Research tissue bank
- ☐ Research database

If your work does not fit any of these categories, select the option below:

☐ Other study

2a. Please answer the following question(s):

a) Will you be processing identifiable data at any stage of the research (including in the identification of participants)?

☒ Yes ☐ No

3. In which countries of the UK will the research sites be located? *(Tick all that apply)*

- ☒ England
- ☒ Scotland
- ☒ Wales
- ☒ Northern Ireland

3a. In which country of the UK will the lead NHS R&D office be located:

- ☒ England
☐ Scotland
☐ Wales
☐ Northern Ireland
☐ This study does not involve the NHS

4. Which applications do you require?

IMPORTANT: If your project is taking place in the NHS and is led from England select 'IRAS Form'. If your project is led from Northern Ireland, Scotland or Wales select 'NHS/HSC Research and Development Offices' and/or relevant Research Ethics Committee applications, as appropriate.

- ☒ IRAS Form
☒ Confidentiality Advisory Group (CAG)
☐ National Offender Management Service (NOMS) (Prisons & Probation)

For NHS/HSC R&D Offices in Northern Ireland, Scotland and Wales the CI must create NHS/HSC Site Specific Information forms, for each site, in addition to the study wide forms, and transfer them to the PIs or local collaborators.

For participating NHS organisations in England different arrangements apply for the provision of site specific information. Refer to IRAS Help for more information.

4a. Will you be seeking data from Hospital Episode Statistics (HES) or the Secondary Uses Service (SUS)?

- ☐ Yes ☒ No

Most research projects require review by a REC within the UK Health Departments' Research Ethics Service. Is your study exempt from REC review?

- ☐ Yes ☒ No

5. Will any research sites in this study be NHS organisations?

- ☒ Yes ☐ No

5a. Are all the research costs and infrastructure costs (funding for the support and facilities needed to carry out research e.g. NHS Support costs) for this study provided by a NIHR Biomedical Research Centre, NIHR Biomedical Research Unit, NIHR Collaboration for Leadership in Health Research and Care (CLAHRC), NIHR Patient Safety Translational Research Centre or a Diagnostic Evidence Co-operative in all study sites?

Please see information button for further details.

- ☐ Yes ☒ No

Please see information button for further details.

5b. Do you wish to make an application for the study to be considered for NIHR Clinical Research Network (CRN) Support and inclusion in the NIHR Clinical Research Network Portfolio?

Please see information button for further details.

☒ Yes ☐ No

The NIHR Clinical Research Network provides researchers with the practical support they need to make clinical studies happen in the NHS e.g. by providing access to the people and facilities needed to carry out research "on the ground".

If you select yes to this question, you must complete a NIHR Clinical Research Network (CRN) Portfolio Application Form (PAF) immediately after completing this project filter question and before submitting other applications. Failing to complete the PAF ahead of other applications e.g. HRA Approval, may mean that you will be unable to access NIHR CRN Support for your study.

6. Do you plan to include any participants who are children?

☐ Yes ☒ No

7. Do you plan at any stage of the project to undertake intrusive research involving adults lacking capacity to consent for themselves?

☐ Yes ☒ No

Answer Yes if you plan to recruit living participants aged 16 or over who lack capacity, or to retain them in the study following loss of capacity. Intrusive research means any research with the living requiring consent in law. This includes use of identifiable tissue samples or personal information, except where application is being made to the Confidentiality Advisory Group to set aside the common law duty of confidentiality in England and Wales. Please consult the guidance notes for further information on the legal frameworks for research involving adults lacking capacity in the UK.

8. Do you plan to include any participants who are prisoners or young offenders in the custody of HM Prison Service or who are offenders supervised by the probation service in England or Wales?

☐ Yes ☒ No

9. Is the study or any part of it being undertaken as an educational project?

☐ Yes ☒ No

10. Will this research be financially supported by the United States Department of Health and Human Services or any of its divisions, agencies or programs?

☐ Yes ☒ No

11. Will identifiable patient data be accessed outside the care team without prior consent at any stage of the project (including identification of potential participants)?

☐ Yes ☒ No

Integrated Research Application System**Application Form for Study limited to working with data (specific project only)**

The Chief Investigator should complete this form. Guidance on the questions is available wherever you see this symbol displayed. We recommend reading the guidance first. The complete guidance and a glossary are available by selecting [Help](#).

Please define any terms or acronyms that might not be familiar to lay reviewers of the application.

Short title and version number: (maximum 70 characters - this will be inserted as header on all forms)
Intraoperative Hypotension in Elder Patients (IHypE)

PART A: Core study information**1. ADMINISTRATIVE DETAILS****A1. Full title of the research:**

Intraoperative Hypotension in Elder Patients (IHypE): An Observational Study of Intraoperative Hypotension in patients aged over 65 in UK Hospitals

A3-1. Chief Investigator:

	Title Forename/Initials Surname
	Dr Daniel Martin
Post	Consultant in Anaesthesia and Critical Care, Senior Lecturer, UCL Division of Surgery and Interventional Science
Qualifications	FRCA FFICM
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Work Telephone	
* Personal Telephone/Mobile	
Fax	

** This information is optional. It will not be placed in the public domain or disclosed to any other third party without prior consent.*

A copy of a [current CV](#) (maximum 2 pages of A4) for the Chief Investigator must be submitted with the application.

A4. Who is the contact on behalf of the sponsor for all correspondence relating to applications for this project?

This contact will receive copies of all correspondence from REC and HRA/R&D reviewers that is sent to the CI.

	Title Forename/Initials Surname
	Ms Suzanne Emerton
Address	Research Portfolio Coordinator
	Joint Research Office, UCL
	Gower Street, London
Post Code	WC1E 6BT
E-mail	randd@uclh.nhs.uk
Telephone	02084477430
Fax	020310823132

A5-1. Research reference numbers. Please give any relevant references for your study:

Applicant's/organisation's own reference number, e.g. R & D (if available): 15/0970

Sponsor's/protocol number: 15/0970

Protocol Version: 5.3

Protocol Date: 14/11/2015

Funder's reference number:

Project website: <http://www.i-hype.org/>

Additional reference number(s):

Ref.Number	Description	Reference Number
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Registration of research studies is encouraged wherever possible. You may be able to register your study through your NHS organisation or a register run by a medical research charity, or publish your protocol through an open access publisher. If you have registered your study please give details in the "Additional reference number(s)" section.

A5-2. Is this application linked to a previous study or another current application?

☐ Yes ☒ No

Please give brief details and reference numbers.

2. OVERVIEW OF THE RESEARCH

To provide all the information required by review bodies and research information systems, we ask a number of specific questions. This section invites you to give an overview using language comprehensible to lay reviewers and members of the public. Please read the guidance notes for advice on this section.

A6-1. Summary of the study. *Please provide a brief summary of the research (maximum 300 words) using language easily understood by lay reviewers and members of the public. Where the research is reviewed by a REC within the UK Health Departments' Research Ethics Service, this summary will be published on the Health Research Authority (HRA) website following the ethical review. Please refer to the question specific guidance for this question.*

Low blood pressure during operations is common. In patients aged over 65 years this may cause an increased risk of complications including heart attack, stroke, kidney failure and death.

This study involves reviewing the anaesthesia care record to see how many patients are at particular risk of low blood pressure during an operation. Information on blood pressure during the operation and how the anaesthetist has used medicine to treat any low values will be collected. Basic demographic information will also be collected, including the type of operation.

A questionnaire will be given to anaesthetists to identify their thoughts on the importance of low blood pressure during

operations.

The purpose of this study is twofold. Firstly to determine how often low blood pressure occurs during operations in elderly patients in the UK and whether this is linked to a higher risk of complications. Secondly we hope to determine how and why anaesthetists treat low blood pressure during operations.

We will use this information to complement work from other groups with the goal of reducing avoidable harm both at a national and local level.

A6-2. Summary of main issues. *Please summarise the main ethical, legal, or management issues arising from your study and say how you have addressed them.*

Not all studies raise significant issues. Some studies may have straightforward ethical or other issues that can be identified and managed routinely. Others may present significant issues requiring further consideration by a REC, R&D office or other review body (as appropriate to the issue). Studies that present a minimal risk to participants may raise complex organisational or legal issues. You should try to consider all the types of issues that the different reviewers may need to consider.

We believe this is a simple and low risk study both ethically and legally. We plan to collect information relating to low blood pressure during operations in people aged over 65 years old.

Local investigators will be part of the anaesthetic department in the hospital where the patient is being treated and therefore form part of the normal care team. As no burdensome additional tests, interventions or changes to care will be made, the patients will bear no additional risks. The data being collected is not sensitive, embarrassing or upsetting. The data being collected is already recorded as part of routine clinical care and will be anonymised. Additionally, no decisions affecting an individual patients care will be made based on the information collected by any member of the study team. By taking consent, we may exclude the sickest patients, who are both unable to consent and at greatest risk from low blood pressure during surgery potentially biasing the findings. We could therefore lose the most useful data, depriving future patients of the benefit of this study. For these reasons we do not intend to take consent from patients.

Local investigators will collect data from the anaesthesia care record. This information will be entered onto our database (hosted on NHS Scotland servers) via a secure web-based programme (Project REDCap) from password protected NHS desktop computers. The data will be stored securely on NHS servers. Patient hospital number is being collected for use when collecting outcomes information. No personal identifiable information will be transferred outside the local hospital, meaning only the local NHS staff will have access this information. The central research team will not have access any patient identifiable information. All data will be disposed of securely.

The main issue with project management is achieving data recording consistency across the network. Fortunately, all of the trainee research and audit networks affiliated to the Research and Audit federation of Trainees (RAFT) have experience in delivering multi-site projects. A training day is planned in early 2016 to ensure regional leads are delivering a consistent message with regards to data collection. Additionally, all investigators involved in the project will be required to complete the National Institute for Health Research's (NIHR) Good Clinical Practice e-learning, an online resource which aims to ensure that clinical research is conducted ethically and to high standards.

No member of the research team have a conflict of interest.

3. PURPOSE AND DESIGN OF THE RESEARCH

A7. Select the appropriate methodology description for this research. Please tick all that apply:

- ☐ Case series/ case note review
- ☐ Case control
- ☒ Cohort observation
- ☐ Controlled trial without randomisation
- ☐ Cross-sectional study
- ☐ Database analysis
- ☐ Epidemiology
- ☐ Feasibility/ pilot study

- ☐ Laboratory study
- ☐ Metanalysis
- ☐ Qualitative research
- ☒ Questionnaire, interview or observation study
- ☐ Randomised controlled trial
- ☐ Other (please specify)

A10. What is the principal research question/objective? Please put this in language comprehensible to a lay person.

The principal aim of this research is to record how often low blood pressure occurs in elderly patients whilst they are having surgery in the UK.

The findings will allow participating hospitals to review the care they provide for elderly patients having surgery, consider their current management strategies and compare themselves with others. Nationally, there is considerable established and emerging work on the clinical relevance of low blood pressure during surgery in the elderly, and this work will assist translating these findings into clinical practice by establishing the status of current practice, with the goal of reducing a potentially avoidable harm.

A11. What are the secondary research questions/objectives if applicable? Please put this in language comprehensible to a lay person.

The secondary objectives are:

1. To discover whether intraoperative low blood pressure is linked to heart injury, kidney injury, stroke or death in elderly patients in the UK
2. To identify when and how anaesthetists use medicines to treat low blood pressure in elderly patients having surgery.
3. To survey anaesthetists attitudes towards the importance of low blood pressure in elderly patients having surgery. This will be achieved using a tick box questionnaire.

A12. What is the scientific justification for the research? Please put this in language comprehensible to a lay person.

Low blood pressure commonly occurs when patients are anaesthetised for surgery. This happens as a consequence of the medicines used to provide general or regional (e.g. epidural) anaesthesia. However in elderly patients (aged over 65 years old) low blood pressure during surgery (also known as intraoperative hypotension) has been linked to increased risk of harm. These harms include stroke, heart injury, kidney injury and death (Bijker et al. 2012; Walsh et al. 2013; Monk et al. 2005). The risk of harm increases as the duration of low blood pressure increases (Walsh et al. 2013).

Best practice guidelines from the Association of Anaesthetists of Great Britain and Ireland (AAGBI, 2014) state that low blood pressure during surgery should be avoided in elderly patient. Despite these recommendations, there is continued debate over how low blood pressure during surgery is best defined.

This research is needed now because the frequency of low blood pressure during surgery in the elderly in the UK is not known. Additionally we know of no studies assessing anaesthetist attitudes towards low blood pressure during surgery nor any reporting how medicines are used to treat the blood pressure. Furthermore, how often the above complications occur in elderly surgical patients is not known. Approximately 2.9 million anaesthetics are given annually in the UK (Woodall & Cook, 2011) and the elderly population makes up an increasing proportion of this number. There is therefore significant potential to reduce harm associated with low blood pressure during surgery.

This study will tell us how often low blood pressure occurs in elderly patients having surgery, how long it persists for and how anaesthetists treat the problem. Additionally it will collect UK anaesthetists views on the definition of low blood pressure during surgery and the importance of this problem. Combining this information will allow us to derive a clinician based definition of what constitutes low blood pressure during surgery. By performing the study in all hospitals affiliated to the Research and Audit Federation of Trainees (RAFT), a network of trainee anaesthetists, we can comment on intraoperative hypotension across the UK with as much authority as possible. Our work will complement that of other researchers, with the goal of reducing potentially avoidable harm.

References:

Bijker JB, Persoon S, Peelen LM, Moons KG, Kalkman CJ, Kappelle LJ, van Klei WA (2012) Intraoperative hypotension and perioperative ischemic stroke after general surgery: A nested case-control study. *Anesthesiology*. 116: 658–64.

Walsh M, Devereaux PJ, Garg AX, Kurz A, Turan A, Rodseth RN, Cywinski J, Thabane L, Sessler DI (2013) Relationship between intraoperative mean arterial pressure and clinical outcomes after noncardiac surgery: Toward an empirical definition of hypotension. *Anesthesiology*. 119: 507–15.

Monk TG, Saini V, Weldon BC, Sigl JC (2005) Anesthetic management and one-year mortality after noncardiac surgery. *Anesthesia & Analgesia*. 100: 4–10.

Griffiths R, Beech F, Brown A, Dhese J, Foo I, Goodall J, Harrop-Griffiths W, Jameson J, Love N, Pappenheim K and White S (2014). AAGBI working party: Peri-operative care of the elderly 2014. *Anaesthesia*. 69 (Suppl. 1): 81–98.

Woodall NM and Cook TM (2011) National census of airway management techniques used for anaesthesia in the UK: first phase of the Fourth National Audit Project at the Royal College of Anaesthetists. *British Journal of Anaesthesia*. 106 (2): 266-271.

A13. Please summarise your design and methodology. *It should be clear exactly what will happen to the research participant, how many times and in what order. Please complete this section in language comprehensible to the lay person. Do not simply reproduce or refer to the protocol. Further guidance is available in the guidance notes.*

Hypotheses:

1. Prolonged severe intraoperative hypotension is common in elderly surgical patients.
2. Intraoperative hypotension is inadequately treated, in part due to lack of a clear definition.
3. Intraoperative hypotension leads to increased risk of cardiovascular complications.

Sampling: This retrospective observational study will take place over two days in all NHS hospitals in the UK with trainee anaesthetists affiliated to the Research and Audit Federation of Trainees (RAFT). To increase coverage of the UK, the project is being advertised to trainees in hospitals not part of a formal research network. Each hospital taking part will have a nominated anaesthetic consultant and trainee who will act as local investigators collecting data.

Sample size: No formal sample size calculation has been made; we intend to capture as many patients data as possible over the study period.

Identifying participants: Patients will be identified by local trainee investigators (independent of delivery of anaesthesia but part of the anaesthetic department of the hospital) from operating department lists and whilst patients are in recovery after surgery on the days of the study.

Likely response rates: Intraoperative hypotension data will be collected on all eligible patients who undergo elective or emergency surgery during the study period. Based on a London wide pilot study we anticipate collecting data on approximately 15-20 patients per site.

Validation of tools:

- Intraoperative hypotension: The data collection tool has previously been used in a London wide pilot audit, which showed it to be simple to complete and yield useful results.
- Anaesthetist survey: each anaesthetist whose patients were included in the study will be asked to complete a survey asking about their attitudes towards intraoperative hypotension. The questionnaire is adapted from Burns & Cowan (*Anaesthesia* 2001; 56(8): 794-8) who have used these questions in a study assessing physician views on intraoperative hypotension in the obstetric population. If more than one anaesthetist was present in theatre (e.g. both a consultant and trainee), both will be asked to complete the survey. Consent to participate will be assumed if the anaesthetist completes the survey.

Data handling:

Data will be collected from the paper or electronic anaesthetic record. Only routine clinical data will be included and where this is unavailable the domain will be left blank. Identifiable patient data (hospital number) will be collected in order to allow follow-up of clinical outcomes which will be collected 30 days after surgery. All other patient identifiable information will be removed.

The completed data collection and survey forms will be taken directly to a secure location accessible by the local investigator. The data will be entered electronically via a secure encrypted connection into an online portal managed by RAFT and hosted by NHS Scotland. The software used for data capture will be REDCap (Research Electronic Data Capture – <http://www.project-redcap.org>). REDCap is a mature, secure web application for building and managing

online surveys and databases. Each dataset entered on will generate a unique identifier; local investigators will be asked to keep a log of their unique identifiers linked to local hospital identification numbers. No personal identifiable information will be transferred outside the local hospital environment either electronically or on paper. The hospital number will remain within the respective trusts, meaning only the local NHS staff responsible for care have access to personal identifying information.

The study database will be closed for data entry 2 weeks after the study completion date. The anonymised responses from participating hospitals across the country will be analysed by a team of researchers based in London.

A14-1. In which aspects of the research process have you actively involved, or will you involve, patients, service users, and/or their carers, or members of the public?

- ☒ Design of the research
- ☐ Management of the research
- ☐ Undertaking the research
- ☐ Analysis of results
- ☐ Dissemination of findings
- ☐ None of the above

Give details of involvement, or if none please justify the absence of involvement.

The project aligns with 3 of the 10 'most important research topics' agreed by the James Lind Alliance and National Institute of Academic Anaesthesia Perioperative Care Priority Setting Partnership in 2015, namely:

1. "How can we improve recovery from surgery for elderly patients?"
2. "What long term harm can result from anaesthesia?"
3. "How can patient care around the time of emergency surgery be improved?"

The James Lind Alliance is a not for profit organisation that brings patients and clinicians together in Priority Setting Partnerships (PSPs) to identify and prioritise research into the top 10 'unanswered questions'. This ensures that research is directed at topics of importance to patients.

Additionally a patient panel reviewed the project when piloted in London across 25 hospitals as an audit). This collected a similar dataset using similar methodology, but instead against several defined national standards, but did not include outcomes.

A14-2. Have you tested the acceptability of using patient identifiable data in this study without consent?

Please give details.

A patient panel has reviewed this project on two occasions.

Initially, patients were involved in a review of the project when piloted in London across 25 hospitals as an audit. This collected a similar dataset using similar methodology, but instead against several defined national standards, but did not include outcomes. The patient panel rated the project 7.6/10 with mostly positive comments on the collaborative nature and that older people were being studied.

A second 8 patient panel has reviewed the current project, both generally and specifically looking at the acceptability of using patient data without consent. The feedback was all strongly supportive or supportive. No one raised objections to using data without consent, however they did comment that patients would probably like to be involved and be aware of the project.

14-3. What changes have you made to your study as a result of your service user involvement?

Please give details.

The study was designed to meet the priorities set by the James Lind Alliance and National Institute of Academic Anaesthesia Perioperative Care Priority Setting Partnership, to ensure it was a topic important to both patients and clinicians. Accordingly, and given the positive feedback from two patient panels, we have made few changes. We have included a lay summary in the protocol, will provide posters about the project in patient areas and have fed back to the

patient panel.

4. RISKS AND ETHICAL ISSUES

RESEARCH PARTICIPANTS

A15. What is the sample group or cohort to be studied in this research?

Select all that apply:

- ☐ Blood
- ☐ Cancer
- ☐ Cardiovascular
- ☐ Congenital Disorders
- ☐ Dementias and Neurodegenerative Diseases
- ☐ Diabetes
- ☐ Ear
- ☐ Eye
- ☒ Generic Health Relevance
- ☐ Infection
- ☐ Inflammatory and Immune System
- ☐ Injuries and Accidents
- ☐ Mental Health
- ☐ Metabolic and Endocrine
- ☐ Musculoskeletal
- ☐ Neurological
- ☐ Oral and Gastrointestinal
- ☐ Paediatrics
- ☐ Renal and Urogenital
- ☐ Reproductive Health and Childbirth
- ☐ Respiratory
- ☐ Skin
- ☐ Stroke

Gender:

Male and female participants

Lower age limit: 65

Years

Upper age limit:

No upper age limit

A17-1. Please list the principal inclusion criteria (list the most important, max 5000 characters).

Inclusion criteria:

- Aged >65 years
- Underwent general anaesthesia or regional anaesthesia either alone or in combination in an operating theatre.
- Emergency and elective surgery

A17-2. Please list the principal exclusion criteria (list the most important, max 5000 characters).

Procedure requires cardiopulmonary bypass.

The patient undergoes sedation alone (that is, not in combination with regional anaesthesia).

A22. What are the potential risks and burdens for research participants and how will you minimise them?

For all studies, describe any potential adverse effects, pain, discomfort, distress, intrusion, inconvenience or changes to lifestyle. Only describe risks or burdens that could occur as a result of participation in the research. Say what steps would be taken to minimise risks and burdens as far as possible.

The study imposes no burdens on patients. There are no risks (potential or otherwise) for participants.

A24. What is the potential for benefit to research participants?

The information will not be of direct benefit to the participant. However the knowledge gained from the study will help anaesthetists to evaluate the care they provide, reducing the risk of harm and improving care in the future thus potentially benefiting the patients friends, family and wider community undergoing anaesthesia in the future.

RECRUITMENT AND INFORMED CONSENT

In this section we ask you to describe the recruitment procedures for the study. Please give separate details for different study groups where appropriate.

A27-1. How will potential participants, records or samples be identified? Who will carry this out and what resources will be used? *For example, identification may involve a disease register, computerised search of social care or GP records, or review of medical records. Indicate whether this will be done by the direct care team or by researchers acting under arrangements with the responsible care organisation(s).*

Adults aged ≥ 65 years or older undergoing any type of surgery in an operating theatre in an NHS hospital in the UK, on the designated days of the study will be identified by local trainee investigators (independent of delivery of anaesthesia but part of the anaesthetic department of the hospital and therefore the usual care team) from operating department lists and whilst in recovery after surgery on the days of the study. Data will be collected on all eligible patients who undergo elective or emergency surgery during the study period.

Anaesthetists whose patients were included in the study will be asked to complete the survey about their attitudes towards intraoperative hypotension. If more than one anaesthetist was present in theatre (e.g. both a consultant and trainee), both will be asked to complete the survey.

A27-2. Will the identification of potential participants involve reviewing or screening the identifiable personal information of patients, service users or any other person?

☒ Yes ☐ No

Please give details below:

The patients will be identified from operating theatre lists on the days on which the study takes place. There will be no need for access to medical records to assess suitability for inclusion, as all patients aged >65 on the study dates will be able to participate. Operating theatre lists are only available to clinical staff within theatres in each NHS organisation. All local investigators will be NHS anaesthetic department staff.

A27-3. Describe what measures will be taken to ensure there is no breach of any duty of confidentiality owed to patients, service users or any other person in the process of identifying potential participants. *Indicate what steps have been or will be taken to inform patients and service users of the potential use of their records for this purpose. Describe the arrangements to ensure that the wishes of patients and service users regarding access to their records are respected. Please consult the guidance notes on this topic.*

This is a non-consenting study, therefore no steps have been taken to inform patients about the use of their records.

Patients will be identified on the day of surgery from published theatre lists which contain limited personal identifiable information including age and hospital number (the two items of relevance in this study). These lists are routinely distributed to the clinical care team to enable them to complete their work using a variety of confidential methods

including:

1. NHS trust e-mail accessed from secure password protected NHS desktop computers.
2. A specific theatre rostering programme, accessible via individual username/ password and only available on password protected NHS desktop computers.
3. Print outs displayed confidentially in staff only areas.

The individuals collecting data will be members of the anaesthetic department where the patients are treated, and therefore make up part of the clinical care team. Local investigators are required to complete Good Clinical Practice training to ensure the research is carried out following best practice.

Although this is a non-consenting study, posters will be displayed in participating departments which will highlight the project. If a patient enquires, a structured information leaflet is available. Patients will be able to request that their data is not used.

A27-4. Will researchers or individuals other than the direct care team have access to identifiable personal information of any potential participants?

☐ Yes ☒ No

A28. Will any participants be recruited by publicity through posters, leaflets, adverts or websites?

☐ Yes ☒ No

A29. How and by whom will potential participants first be approached?

Potential participants will be approached by a local investigator, a doctor within the anaesthetic department at the hospital where the patient is treated, following screening of operating theatre lists for the days of the study.

A30-1. Will you obtain informed consent from or on behalf of research participants?

☐ Yes ☒ No

If you will be obtaining consent from adult participants, please give details of who will take consent and how it will be done, with details of any steps to provide information (a written information sheet, videos, or interactive material). Arrangements for adults unable to consent for themselves should be described separately in Part B Section 6, and for children in Part B Section 7.

If you plan to seek informed consent from vulnerable groups, say how you will ensure that consent is voluntary and fully informed.

If you are not obtaining consent, please explain why not.

We anticipate that patient consent will not be required for this study as the dataset will only include information already recorded as part of routine clinical care, all data will be anonymised and no identifiable information (apart from gender) will be shared outside of the individual hospital where the patient is treated.

By taking consent for inclusion, we could bias the results by excluding sicker and frailer patients whose blood pressure and outcomes data is potentially the most interesting, and who, in future, would benefit most from this study's findings. Identifiable patient data (apart from gender) will not leave the hospital where each individual patient is treated. The data being collected is not sensitive or embarrassing. No additional tests or interventions are being made and no changes will be made to patient care. The clinicians collecting the data will be part of the anaesthetic department in the NHS hospital in which the patient is being treated and can therefore be considered part of the normal care team. Additionally, asking for consent would be impractical as we anticipate recruiting approximately 2000-3000 patients; in taking consent we would limit the number of patients recruited, limiting the generalisability and usefulness of the findings.

Study information will be displayed in patient areas within operating theatre departments of participating hospitals to ensure that patients can register dissent in relation to the research activity. Patients will be able to decline participation or withdraw at any time without providing a reason.

Similarly, the survey of anaesthetists (see protocol appendix 2) asks no sensitive questions and collects no anaesthetist or patient identifiable data. Information will be provided about the study for the anaesthetists. Completion of the proforma will be considered as the anaesthetist providing their consent to be included in the study.

Please enclose a copy of the information sheet(s) and consent form(s).

A30-3. Why is it not practicable for either the researcher's organisation, or the current holder of the information required by the researcher, to seek or obtain patient consent for proposed use of patient identifiable information?

The data being collected is already documented as part of routine care and will be anonymised prior to transfer from the hospitals where the patient is treated.

By taking consent for inclusion, we could bias the results by excluding sicker and frailer patients whose blood pressure and outcomes data is potentially the most interesting, and who, in future, would benefit most from this study's findings.

We anticipate recruiting approximately 2000-3000 patients. By taking consent we would limit the number of patients recruited, limiting the generalisability and usefulness of the findings.

A30-4. Is there a method in place to record individuals' dissent from the use of their records for research purposes? How will the rights of dissenting patients be respected?

The study is non-consenting. However, as the study is being advertised in the theatre complex where data collection is taking place, individual patients may register their dissent. If this happens, the patients will be able to discuss their concerns with the local principal investigator. No pressure to participate will be applied.

If the individual decides to decline participation at any time with or without providing a reason, this will be respected. The local principal investigator will reassure the patient that their data will not be used and that their care will not be affected.

The individuals hospital number will be retained locally to ensure their data is not collected. The local principal investigator will document the number of patients declining to participate. Any data already collected will be destroyed confidentially.

A30-5. Please specify how you intend to move away from the use of patient identifiable data without consent.

The data will be anonymised prior to transfer from the local hospital. No identifiable information will leave the hospital where the patient is treated.

CONFIDENTIALITY

In this section, personal data means any data relating to a participant who could potentially be identified. It includes pseudonymised data capable of being linked to a participant through a unique code number.

Storage and use of personal data during the study

A36. Will you be undertaking any of the following activities at any stage (including in the identification of potential participants)? (Tick as appropriate)

- ☐ Access to medical records by those outside the direct healthcare team
- ☐ Access to social care records by those outside the direct social care team
- ☒ Electronic transfer by magnetic or optical media, email or computer networks
- ☐ Sharing of personal data with other organisations
- ☐ Export of personal data outside the EEA
- ☐ Use of personal addresses, postcodes, faxes, emails or telephone numbers
- ☐ Publication of direct quotations from respondents

- ☐ Publication of data that might allow identification of individuals
- ☐ Use of audio/visual recording devices
- ☒ Storage of personal data on any of the following:
 - ☒ Manual files (includes paper or film)
 - ☒ NHS computers
 - ☐ Social Care Service computers
 - ☐ Home or other personal computers
 - ☐ University computers
 - ☐ Private company computers
 - ☐ Laptop computers

Further details:

A37. Please describe the physical security arrangements for storage of personal data during the study?

All information for the trial will be held securely and treated as strictly confidential according to NHS policies.

Personal data entered onto paper case report forms (CRF) will be stored in a locally arranged secure location, typically a drawer or filing cabinet in a locked anaesthetic consultants office accessed by key or swipe card. Only the consultant would have access to his/her office. Anaesthetic department offices are commonly located in the operating theatre complex, which is itself a secure environment.

Local investigators will keep a log of patients and their unique identifiers as an excel file on a password protected NHS desktop computer. This log will be held locally until a specified time point (5 years after the study ends) when it will be destroyed confidentially.

No patient identifiable information will leave the local hospital either in paper or electronic format. Anonymised data submitted to the central research team via the secure encrypted online portal REDCap will be stored on NHS National Services Scotland (NSS) secure SHOW (Scottish Health on the Web) network servers which are protected both physically and electronically. After collation at NSS SHOW, the data will be transferred to the UCL data safe haven for final analysis and data storage.

A38. How will you ensure the confidentiality of personal data? Please provide a general statement of the policy and procedures for ensuring confidentiality, e.g. anonymisation or pseudonymisation of data.

The NHS code of confidentiality will be followed for local management of paper questionnaires. Hospital number will be collected in order to allow follow-up of clinical outcomes. All other patient identifiable information will be removed prior to being entered electronically (this is the point at which anonymisation occurs) via a secure encrypted connection into an online portal (REDCap, Research Electronic Data Capture – <http://www.project-redcap.org>) managed by RAFT and hosted by NHS Scotland (i.e. the data will be stored on secure NHS Scotland servers).

Local investigators will keep a log of patients and their unique identifiers as an excel file on a password protected NHS desktop. When the data from paper CRFs has been entered into REDCap, the CRFs will be returned to their secure storage in a locked office. Study related documents will be archived locally by the principal investigator until a specified time point (5 years after the study ends) when it will be destroyed confidentially.

The anonymised electronic data held on NHS Scotland servers is protected both electronically and physically (see question A37). After collation at NSS SHOW, the data will be transferred to UCL data safe haven for final analysis and data storage. The information will be deleted confidentially after a specified time point (20 years after the end of the study).

All staff involved in the study will be anaesthetic doctors, who are familiar with handling personal information confidentially and who will have completed Good Clinical Practice Training. All staff share the same duty of care to prevent unauthorised disclosure of personal information.

A39. Please specify whether identifiers will be held in the same database as the clinical data, or in a separate database

and linked through a unique study or case number. *If held separately, please specify how and at what point the separation will occur. If held in the same database, will the identifiers be encrypted? If so, specify what will be encrypted and who will continue to have access.*

Patient identifiable data being collected is gender and hospital number.

- Hospital number is being collected to allow follow-up of outcomes at 30 days and will not leave the local hospital.
- Gender is being collected to define the population studied and will be held in the same database as the clinical data.

The data will be anonymised prior to transfer to the iHypE study management team. The anonymised information will be entered into an online portal managed by the Reserach and Audit Federation of Trainees (RAFT) and hosted by NHS Scotland via a secure encrypted connection from password protected NHS desktop computers. The software used for data capture will be REDCap (Research Electronic Data Capture – <http://www.project-redcap.org>). REDCap is a mature, secure web application for building and managing online surveys and databases.

Each patient dataset will generate a unique identifier; local investigators will keep an electronic log of these unique identifiers linked to local hospital identification numbers on a password protected NHS desktop computer. Thus the study management team will not have access to patient identifiable information, furthermore, no attempt will be made to identify any individual patient.

Only the iHypE trainee lead will have full access to the complete anonymised electronic dataset. All actions on the REDCap system are logged.

A40. Who will have access to participants' personal data during the study? *Where access is by individuals outside the direct care team, please justify and say whether consent will be sought.*

Only local investigators will have access to participants' personal data during and after the study. The local investigators will be members of the anaesthetic department in the hospital where the patient is being treated and as such form part of the clinical care team.

All staff involved in the study (clinical, academic) share the same duty of care to prevent unauthorised disclosure of personal information.

Storage and use of data after the end of the study

A41. Where will the data generated by the study be analysed and by whom?

The data will be analysed by the chief investigator and lead trainee investigator on password protected NHS desktop computers.

Personal data (apart from gender) will not be transferred outside of the local hospital in either paper or electronic format. No data will be transported aoutside of the UK.

A42. Who will have control of and act as the custodian for the data generated by the study?

	Title Forename/Initials Surname
	Dr Daniel Martin
Post	Consultant in Anaesthesia and Critical Care, Royal Free Hospital; Senior Lecturer, UCL Division of Surgery and Interventional Science
Qualifications	BSc, MBChB, FRCA, FFICM, PhD
Work Address	Perioperative and Critical Care Research Office University College London Division of Surgery and In
	4th Floor, Royal Free Hospital
	London
Post Code	NW3 2QG
Work Email	daniel.martin@ucl.ac.uk
Work Telephone	02077940500
Fax	

A43. How long will personal data be stored or accessed after the study has ended?

- ☒ Less than 3 months
- ☐ 3 – 6 months
- ☐ 6 – 12 months
- ☐ 12 months – 3 years
- ☐ Over 3 years

A44. For how long will you store research data generated by the study?

Years: 20

Months: 0

A45. Please give details of the long term arrangements for storage of research data after the study has ended. Say where data will be stored, who will have access and the arrangements to ensure security.

The study master files will be stored electronically on an approved secure computer (a data safe haven) at the sponsor organisation for 20 years following the end of the study.

Only the chief investigator and sponsor organisation R&D lead will have access.

The electronic data will be disposed confidentially following NHS guidelines.

INCENTIVES AND PAYMENTS**A46. Will research participants receive any payments, reimbursement of expenses or any other benefits or incentives for taking part in this research?**

- ☐ Yes ☒ No

A47. Will individual researchers receive any personal payment over and above normal salary, or any other benefits or incentives, for taking part in this research?

- ☐ Yes ☒ No

A48. Does the Chief Investigator or any other investigator/collaborator have any direct personal involvement (e.g. financial, share holding, personal relationship etc.) in the organisations sponsoring or funding the research that may give rise to a possible conflict of interest?

- ☐ Yes ☒ No

NOTIFICATION OF OTHER PROFESSIONALS**A49-1. Will you inform the participants' General Practitioners (and/or any other health or care professional responsible for their care) that they are taking part in the study?**

- ☐ Yes ☒ No

If Yes, please enclose a copy of the information sheet/letter for the GP/health professional with a version number and date.

PUBLICATION AND DISSEMINATION

A50-1. Will the research be registered on a public database?

☐ Yes ☒ No

Please give details, or justify if not registering the research.

We are unaware of a suitable register, however we will make our protocol available on our website and disseminate our results appropriately.

Registration of research studies is encouraged wherever possible.

You may be able to register your study through your NHS organisation or a register run by a medical research charity, or publish your protocol through an open access publisher. If you are aware of a suitable register or other method of publication, please give details. If not, you may indicate that no suitable register exists. Please ensure that you have entered registry reference number(s) in question A5-1.

A51. How do you intend to report and disseminate the results of the study? Tick as appropriate:

- ☒ Peer reviewed scientific journals
- ☒ Internal report
- ☒ Conference presentation
- ☒ Publication on website
- ☐ Other publication
- ☐ Submission to regulatory authorities
- ☐ Access to raw data and right to publish freely by all investigators in study or by Independent Steering Committee on behalf of all investigators
- ☐ No plans to report or disseminate the results
- ☐ Other (please specify)

A52. If you will be using identifiable personal data, how will you ensure that anonymity will be maintained when publishing the results?

The only personal identifiable data being used in analysis is gender. This will be used to define the baseline characteristics of the patient cohort in a publication and will not affect an individuals anonymity.

No other identifiable information is being processed.

A53. Will you inform participants of the results?

☒ Yes ☐ No

Please give details of how you will inform participants or justify if not doing so.

The results will be made available on the study website. The website will be advertised on information posters placed in participating theatre complexes.

Anaesthetists completing the survey will receive information on how to access the website. Additionally, the results will be presented locally in each department to enable practice improvement.

5. Scientific and Statistical Review

A54-1. How has the scientific quality of the research been assessed? Tick as appropriate:

- ☒ Independent external review
☐ Review within a company
☒ Review within a multi-centre research group
☐ Review within the Chief Investigator's institution or host organisation
☐ Review within the research team
☐ Review by educational supervisor
☐ Other

Justify and describe the review process and outcome. If the review has been undertaken but not seen by the researcher, give details of the body which has undertaken the review:

The project has been reviewed by the Health Sciences Research Centre of the National Institute of Academic Anaesthesia and the Research and Audit Federation of Trainees (www.rafrtrainees.com). The project has also reviewed and refined within the chief investigators research collaborative (The Pan London Perioperative Audit & Research Network, uk-PLAN.net)

For all studies except non-doctoral student research, please enclose a copy of any available scientific critique reports, together with any related correspondence.

For non-doctoral student research, please enclose a copy of the assessment from your educational supervisor/ institution.

A56. How have the statistical aspects of the research been reviewed? Tick as appropriate:

- ☐ Review by independent statistician commissioned by funder or sponsor
☒ Other review by independent statistician
☐ Review by company statistician
☐ Review by a statistician within the Chief Investigator's institution
☐ Review by a statistician within the research team or multi-centre group
☐ Review by educational supervisor
☐ Other review by individual with relevant statistical expertise
☒ No review necessary as only frequencies and associations will be assessed – details of statistical input not required

In all cases please give details below of the individual responsible for reviewing the statistical aspects. If advice has been provided in confidence, give details of the department and institution concerned.

	Title Forename/Initials Surname
	Dr Mizan Khondoker
Department	Department of Applied Health Research
Institution	University College London
Work Address	1-19 Torrington Place
	London
Post Code	WC1E 7HB
Telephone	02031083952
Fax	
Mobile	
E-mail	m.khondoker@ucl.ac.uk

Please enclose a copy of any available comments or reports from a statistician.

A57. What is the primary outcome measure for the study?

Proportion of elderly patients developing intraoperative hypotension in during anaesthesia in UK hospitals.

A58. What are the secondary outcome measures?(if any)

Percentage and actual reduction in blood pressure from baseline.
 Duration of intraoperative hypotension.
 Difference between pre-operative blood pressure and pre-induction blood pressure.
 Associations between different surgical specialities and anaesthetic techniques and intraoperative hypotension.
 Outcomes (myocardial injury, acute kidney injury, stroke and death) after surgery in the elderly.
 Use of vasopressors to treat intraoperative hypotension and blood pressure values triggering use.
 Anaesthetist perceptions of intraoperative hypotension importance.

A59. What is the sample size for the research? How many participants/samples/data records do you plan to study in total? If there is more than one group, please give further details below.

Total UK sample size: 1500
 Total international sample size (including UK): 1500
 Total in European Economic Area: 1500

Further details:

Approximately 2.9 million general anaesthetics are given annually in the UK. An unknown amount (but much smaller) of procedures are performed under regional anaesthesia.

Simple calculations suggest that approximately 8000 operations take place per day. Patients aged over 65 years old are estimated to make up 17% of the population (ONS, 2014). Therefore there is an event rate of ~2800, however this overlooks the fact that the elderly are over-represented amongst the surgical population. In a pilot study in London each hospital recruited a mean of 15 patients. At a conservative capture rate of approximately 50% we hope to collect data on 1500 patients.

A60. How was the sample size decided upon? If a formal sample size calculation was used, indicate how this was done, giving sufficient information to justify and reproduce the calculation.

No statistical power calculation for sample size has been performed.

We aim to capture data from as elderly (>65 years old) patients undergoing surgery during the study period as possible.

A61-1. Will participants be allocated to groups at random?

☐ Yes ☒ No

A62. Please describe the methods of analysis (statistical or other appropriate methods, e.g. for qualitative research) by which the data will be evaluated to meet the study objectives.

Descriptive statistics will be used to describe national rates of intraoperative hypotension, degree of hypotension and duration.

We will compare:

- Frequencies, degree and durations of intraoperative hypotension from paper anaesthetic charts and electronic data collection.
- Pre-operative blood pressure with pre-induction blood pressure
- Associations between different surgical specialities and anaesthetic techniques and intraoperative hypotension.

No comparisons will be made between hospitals as it is unlikely that individual centres will recruit enough patients to conduct meaningful evaluations. Our results will be reported numerically and graphically.

The anaesthetist survey will be analysed using descriptive statistics, frequencies and one and two way tables. The intraoperative data will be compared to the survey data to identify any differences between practice and perceptions. Individual clinician responses will not be linked to their blood pressure data.

The proportion of patients having one of the described clinical outcomes will be reported. Based on existing datasets, we do not anticipate this study being powered to determine associations between intra-operative hypotension and outcomes, accordingly, no statistical power calculation has been performed.

6. MANAGEMENT OF THE RESEARCH

A63. Other key investigators/collaborators. Please include all grant co-applicants, protocol co-authors and other key members of the Chief Investigator's team, including non-doctoral student researchers.

	Title Forename/Initials Surname
	Dr Alex Wickham
Post	Specialty Registrar in Anaesthesia
	MBBS
Qualifications	BSc (Hons)
	FRCA
Employer	Royal Brompton and Harefield NHS Foundation Trust
Work Address	Department of Anaesthesia, Harefield Hospital
	Hill End Road
	Harefield
Post Code	UB9 6JH
Telephone	
Fax	
Mobile	07734819931
Work Email	alex.wickham@nhs.net
	Title Forename/Initials Surname
	Dr David Highton
Post	Registrar in Anaesthesia & Academic Clinical Fellow
	MBBS
Qualifications	FRCA
	FFICM
Employer	University College London Hospitals NHS Trust
Work Address	Department of Anaesthesia, The National Hospital for Neurology and Neurosurgery
	Queen Square
	London
Post Code	WC1N 3BG
Telephone	
Fax	
Mobile	07960670345
Work Email	d.highton@ucl.ac.uk
	Title Forename/Initials Surname
	Dr Thomas Clark
Post	Consultant in Critical Care and Anaesthesia

Qualifications	MBBS FRCA FFICM
Employer	Department of Anaesthesia, Torbay and South Devon NHS Foundation Trust
Work Address	Newton Road Torquay Devon
Post Code	TQ2 7AA
Telephone	
Fax	
Mobile	07718997862
Work Email	thomasclark1@nhs.net
Post	Title Forename/Initials Surname Dr Michael Nathanson Consultant Anaesthetist
Qualifications	MBBS MRCP FRCA
Employer	Nottingham University Hospitals NHS Trust
Work Address	Department of Anaesthesia, Queen's Medical Centre Campus Nottingham University Hospitals NHS Trust Nottingham
Post Code	NG7 2UH
Telephone	01159709195
Fax	
Mobile	07973478683
Work Email	mike@nathanson.info
Post	Title Forename/Initials Surname Dr Joyce Yeung Clinician Scientist in Anaesthesia, NIHR Post Doctoral Fellow & Honorary consultant in anaesthesia and critical care
Qualifications	MBChB PhD FRCA
Employer	Heart of England NHS Foundation Trust
Work Address	Department of Anaesthesia, Birmingham Heartlands Hospital Bordersley Green East Birmingham
Post Code	B9 5SS
Telephone	01213713229
Fax	
Mobile	
Work Email	j.yeung@bham.ac.uk
Post	Title Forename/Initials Surname Dr Samuel Clark Oxford Intensive Care Medicine Echocardiography Clinical Fellow
Qualifications	MBBS FRCA
Employer	Oxford University Hospitals Foundation Trust

Work Address	Intensive Care Unit, John Radcliffe Hospital
	Headley Way
	Headington
Post Code	OX3 9DU
Telephone	
Fax	
Mobile	07921237431
Work Email	samhclark@aol.com

A64. Details of research sponsor(s)

A64-1. Sponsor

Lead Sponsor

Status: ☐ NHS or HSC care organisation

☒ Academic

☐ Pharmaceutical industry

☐ Medical device industry

☐ Local Authority

☐ Other social care provider (including voluntary sector or private organisation)

☐ Other

Commercial status: ☒ Non-Commercial

If Other, please specify:

Contact person

Name of organisation University College London

Given name Tabitha

Family name Kavoi

Address Joint Research Office, 1st Floor Maple House (Suite B), 149 Tottenham Court Road

Town/city London

Post code W1T 7DN

Country UNITED KINGDOM

Telephone 02034477430

Fax 02031082312

E-mail randd@uclh.nhs.uk

Is the sponsor based outside the UK?

☐ Yes ☒ No

Under the Research Governance Framework for Health and Social Care, a sponsor outside the UK must appoint a legal representative established in the UK. Please consult the guidance notes.

A65. Has external funding for the research been secured?

- ☐ Funding secured from one or more funders
- ☒ External funding application to one or more funders in progress
- ☐ No application for external funding will be made

What type of research project is this?

- ☒ Standalone project
- ☐ Project that is part of a programme grant
- ☐ Project that is part of a Centre grant
- ☐ Project that is part of a fellowship/ personal award/ research training award
- ☐ Other

Other – please state:

Please give details of funding applications.

Organisation AAGBI/Anaesthesia Research Grants

Address National Institute of Academic Anaesthesia
Churchill House, London
35 Red Lion Square

Post Code WC1R 4SG

Telephone

Fax

Mobile

Email

Funding Application Status: ☐ Secured ☒ In progress

Date Funding decision expected:

Amount:

Duration

Years:

Months:

If applicable, please specify the programme/ funding stream:

What is the funding stream/ programme for this research project?

A66. Has responsibility for any specific research activities or procedures been delegated to a subcontractor (other than a co-sponsor listed in A64-1) ? Please give details of subcontractors if applicable.

- ☐ Yes ☒ No

A67. Has this or a similar application been previously rejected by a Research Ethics Committee in the UK or another country?

- ☐ Yes ☒ No

Please provide a copy of the unfavourable opinion letter(s). You should explain in your answer to question A6-2 how the reasons for the unfavourable opinion have been addressed in this application.

A68-1. Give details of the lead NHS R&D contact for this research:

	Title Forename/Initials Surname
	Ms Suzanne Emerton
Organisation	University College London
Address	Joint Research Office, University College London
	Gower Street
	London
Post Code	WC1E 6BT
Work Email	randd@uclh.nhs.uk
Telephone	02034477430
Fax	02031082312
Mobile	

Details can be obtained from the NHS R&D Forum website: <http://www.rdforum.nhs.uk>

A68-2. Select Local Clinical Research Network for NHS Organisation identified in A68-1:

North Thames

For more information, please refer to the question specific guidance.

A69-1. How long do you expect the study to last in the UK?

Planned start date: 03/10/2016

Planned end date: 01/11/2016

Total duration:

Years: 0 Months: 0 Days: 30

A71-1. Is this study?

- ☐ Single centre
- ☒ Multicentre

A71-2. Where will the research take place? (Tick as appropriate)

- ☒ England
- ☒ Scotland
- ☒ Wales
- ☒ Northern Ireland
- ☐ Other countries in European Economic Area

Total UK sites in study 150

Does this trial involve countries outside the EU?

☐ Yes ☒ No

A72. Which organisations in the UK will host the research? *Please indicate the type of organisation by ticking the box and give approximate numbers if known:*

- | | |
|---|-----|
| <input checked="" type="checkbox"/> NHS organisations in England | 151 |
| <input checked="" type="checkbox"/> NHS organisations in Wales | 16 |
| <input checked="" type="checkbox"/> NHS organisations in Scotland | 6 |
| <input checked="" type="checkbox"/> HSC organisations in Northern Ireland | 8 |
| <input type="checkbox"/> GP practices in England | |
| <input type="checkbox"/> GP practices in Wales | |
| <input type="checkbox"/> GP practices in Scotland | |
| <input type="checkbox"/> GP practices in Northern Ireland | |
| <input type="checkbox"/> Joint health and social care agencies (eg community mental health teams) | |
| <input type="checkbox"/> Local authorities | |
| <input type="checkbox"/> Phase 1 trial units | |
| <input type="checkbox"/> Prison establishments | |
| <input type="checkbox"/> Probation areas | |
| <input type="checkbox"/> Independent (private or voluntary sector) organisations | |
| <input type="checkbox"/> Educational establishments | |
| <input type="checkbox"/> Independent research units | |
| <input type="checkbox"/> Other (give details) | |

Total UK sites in study: 181

A73-1. Will potential participants be identified through any organisations other than the research sites listed above?

☐ Yes ☒ No

A74. What arrangements are in place for monitoring and auditing the conduct of the research?

All investigators are required to complete Good Clinical Practice Training to ensure the research is conducted to the highest standard.

The sponsor organisation will audit iHypE to ensure the research is carried out according to the protocol, required regulations are met and Good Clinical Practice is followed. Participating hospitals may use study documents for audit on a locally arranged basis.

We do not plan to routinely monitor data collection in participating hospitals.

A76. Insurance/ indemnity to meet potential legal liabilities

Note: in this question to NHS indemnity schemes include equivalent schemes provided by Health and Social Care (HSC) in Northern Ireland

A76-1. What arrangements will be made for insurance and/or indemnity to meet the potential legal liability of the sponsor(s) for harm to participants arising from the management of the research? Please tick box(es) as applicable.

Note: Where a NHS organisation has agreed to act as sponsor or co-sponsor, indemnity is provided through NHS schemes. Indicate if this applies (there is no need to provide documentary evidence). For all other sponsors, please describe the arrangements and provide evidence.

- ☐ NHS indemnity scheme will apply (NHS sponsors only)
- ☒ Other insurance or indemnity arrangements will apply (give details below)

The management of the research will be covered by UCL insurance for negligent harm.

Please enclose a copy of relevant documents.

A76-2. What arrangements will be made for insurance and/ or indemnity to meet the potential legal liability of the sponsor(s) or employer(s) for harm to participants arising from the design of the research? Please tick box(es) as applicable.

Note: Where researchers with substantive NHS employment contracts have designed the research, indemnity is provided through NHS schemes. Indicate if this applies (there is no need to provide documentary evidence). For other protocol authors (e.g. company employees, university members), please describe the arrangements and provide evidence.

- ☐ NHS indemnity scheme will apply (protocol authors with NHS contracts only)
- ☒ Other insurance or indemnity arrangements will apply (give details below)

UCL insurance provides cover for negligent harm arising from the design of the research.

Please enclose a copy of relevant documents.

A76-3. What arrangements will be made for insurance and/ or indemnity to meet the potential legal liability of investigators/collaborators arising from harm to participants in the conduct of the research?

Note: Where the participants are NHS patients, indemnity is provided through the NHS schemes or through professional indemnity. Indicate if this applies to the whole study (there is no need to provide documentary evidence). Where non-NHS sites are to be included in the research, including private practices, please describe the arrangements which will be made at these sites and provide evidence.

- ☒ NHS indemnity scheme or professional indemnity will apply (participants recruited at NHS sites only)
- ☐ Research includes non-NHS sites (give details of insurance/ indemnity arrangements for these sites below)

Please enclose a copy of relevant documents.

A78. Could the research lead to the development of a new product/process or the generation of intellectual property?

- ☐ Yes ☒ No ☐ Not sure

A79. Please select the level of commercial participation in this project.

- ☒ None
- ☐ Industry funding, but not industry sponsored
- ☐ Industry funding and industry sponsored
- ☐ Industry sponsored, but not industry funded

A80. Please select the main subject area of research. Additional sub-topics may be selected, if required

- ☐ Age and Ageing
- ☒ Anaesthetics
- ☐ Cancer (includes malignant haematology)
- ☐ Cardiovascular
- ☐ Clinical
- ☐ Critical Care
- ☐ Dementias and Neurodegenerative Diseases
- ☐ Dermatology
- ☐ Diabetes
- ☐ Ear, Nose and Throat
- ☐ Gastrointestinal
- ☐ Genetics
- ☐ Health Services Research
- ☐ Hepatology
- ☐ Immunology and Inflammation
- ☐ Infectious Disease and Microbiology
- ☐ Injuries and Accidents
- ☐ Medicines for Children (does not include Paediatrics)
- ☐ Mental Health
- ☐ Metabolic and Endocrine
- ☐ Musculoskeletal (Rheumatoid Arthritis is a separate category)
- ☐ Nervous System Disorders
- ☐ Non-malignant Haematology
- ☐ Ophthalmology
- ☐ Oral and Dental
- ☐ Paediatrics (does not include Medicines for Children)
- ☐ Primary Care
- ☐ Public Health Research
- ☐ Renal
- ☐ Reproductive Health and Childbirth
- ☐ Respiratory
- ☐ Rheumatoid Arthritis
- ☐ Stroke
- ☐ Surgery
- ☐ Urogenital

Part B: Section 8 - Additional information for applications to the Confidentiality Advisory Group (CAG)

1. Do you plan to extract data from Hospital Episode Statistics (HES) or the Secondary Uses Service (SUS)?

☐ Yes ☒ No

2. Give a brief description of the confidential/sensitive patient information to be used.

The information being collected about patients is routinely documented as part of normal care.

- Patient identifiable information: gender and hospital number.
- Patient information: age group, presence of cardiovascular disease, use of medicines for high blood pressure.
- Surgical information: the urgency and severity of surgery, whether the surgery is for cancer and surgical speciality.
- Anaesthesia information: the grade of most senior anaesthetist present, anaesthetic management, whether the patient had a regional anaesthetic block (e.g. epidural).
- Blood pressure information: how it was monitored, values before and during surgery and how it was treated.
- Outcome information: in hospital death, presence or absence of myocardial infarction, kidney injury or stroke.

3. Please list each of the identifiers required for validation or linkage and say why each data item is required (i.e. the justification for this combination of data items).

- ☐ Name
- ☐ NHS number
- ☒ Hospital ID no. To identify patients and allow collection of outcome data.level.
- ☐ GP registration
- ☐ Date of birth
- ☐ Date of death
- ☐ Postcode
- ☐ District level
☐ Sector level
☐ Sub-sector level
☐ Unit level
- ☐ Other geographical identifiers (please specify)
- ☐ Other identifiers (please specify)

4. Which identifiers will be retained for analysis purposes?

- ☐ Name
- ☐ Date of birth
- ☐ Date of death
- ☐ Postcode
- ☐ District level
☐ Sector level
☐ Sub-sector level
☐ Unit level
- ☐ Other geographical identifiers (please specify)
- ☐ Purpose for which postcode/geographical identifiers required
- ☐ Deprivation scoring
☐ Lifestyle analysis
☐ Geographical analysis

- ☒ Gender
- ☐ Occupation
- ☐ Ethnicity
- ☐ Other identifiers (please specify)
- ☐ n/a

5. If you need access to sensitive data items, please list them here and give a reason for requesting access to each item.

No sensitive data items (using the Data Protection Act 1998 definition) are being collected.

6. What is the justification for using patient identifiable data and/or HES restricted fields? Say why anonymised/pseudonymised data would not be fit for purpose.

Justification:

- Gender is being recorded to describe the population we are studying. We have included gender as 'identifiable data' as it is considered to be a form of identifiable data in Scotland, where some centres are collecting data.
- Hospital number is being recorded to enable follow-up of outcomes at 30 days after surgery. It will not be transferred outside of the local hospital, nor will it be used for analysis.

The data will be anonymised prior to transfer from the local hospital where it is collected to the study management team.

No HES restricted fields are being used.

7. What are the sources of data?

The data sources are:

1. For intraoperative data: paper anaesthetic record, anaesthetic monitor print out, or direct reading of the anaesthetic monitor after the surgery has finished.
2. For outcome data: biochemical blood results, a computed tomography (CT) head report and evidence of in hospital death.
3. Anaesthetic questionnaire administered to clinicians giving the anaesthetic.

8. Please provide an overview of the data flows. You may use or enclose a diagram to explain this if it is helpful. Stages of identifiability/de-identification should be specified and use of encryption for transfer or storage where applicable.

Data will be collected from anaesthetic records on paper case report forms (CRFs). When completed, the paper CRFs will be stored in a secure location accessible only by the principle investigator.

At 30 days after surgery, outcome data will be entered onto the paper CRFs.

The information on the paper CRF will be anonymised prior to transfer to the central research team. No identifiable information (other than gender) will leave the local hospital. Data will be entered into a secure encrypted online portal managed by RAFT and hosted by NHS Scotland. The online portal being used is REDCap version 6.9.5, which contains no known significant vulnerabilities and has been tested using multiple strategies by different organisations. Data will be entered from password protected NHS desktop computers. The paper CRFs will then be returned to the secure location. There are no 'free text' boxes in the REDCap data entry portal, only checkboxes and number entry options (e.g. for blood pressure), meaning that local investigators are prevented from sending us any information (e.g. identifiable) outwith the requested dataset.

The electronic data will be stored on NHS Scotland servers which are protected both electronically and physically; servers are kept in restricted areas at the NHS National Services Scotland data centre in central Scotland and have a high-level firewall.

The electronic dataset can only be accessed by the chief investigator using a 2 step authentication process. All

activities on the dataset will be automatically logged. The data will be analysed on password protected NHS desktop computers.

After analysis the dataset will be transferred to the UCL data safe haven for secure long term storage.

Paper and electronic data will be disposed of confidentially as specified in the protocol.

9. What is the frequency of the required extract?

- ☐ Monthly
- ☐ Quarterly
- ☐ Annual
- ☒ Not applicable

10. Describe what other data are held by the organisation, which might interact with the data requested to allow person identification. Will you be linking this data with data obtained with HRA approval or HES data? If so for what purpose?

No other data is being collected. HES data is not being collected.

11. Which class(es) of section 251 support are you applying for? Tick all that apply:

- ☐ Specific support required (requires Regulations to be laid before Parliament)
- ☐ Support required under the Health Service (Control of Patient Information) Regulations 2002 for public health or cancer registry purposes
- ☒ Class 1 support: the process of extracting and anonymising the information
- ☐ Class 2 support: to obtain and use information about past or present geographical location
- ☐ Class 3 support: to select and contact patients to seek their consent
- ☐ Class 4 support: to link patient identifiable information obtained from more than one source
- ☒ Class 5 support: for auditing, monitoring and analysing patient care and treatment
- ☒ Class 6 support: to allow access to an authorised user for one or more of the above purposes
- ☐ Not applicable – only using HES/SUS data extract which is not identifiable

12. Please provide details of how you comply with each of the eight principles outlined in the Data Protection Act 1998.

1	Fair processing	<p>The data is being collected to answer a legitimate research question and will not affect the individuals concerned. The data will not be used unlawfully.</p> <p>The protocol, which will be displayed openly on our study website, sets out how we intend to use the data.</p> <p>All data collected, processed and stored will be anonymised and treated as strictly confidential at all times in accordance with the Data Protection Act 1998 (UK).</p>
2	Used for specified purposes	
3	Minimum necessary for the purpose	<p>The minimum dataset to answer the clinical question is being collected.</p> <p>The minimum amount (hospital number and gender) of identifiable personal data is being collected. The patients hospital number will not leave the hospital where he or she is being treated. Gender will be processed to define the study population.</p>
		The local investigators will ensure the information

4	Accuracy	<p>collected is accurate to comply with the Data Protection Act and to ensure the research questions are answered correctly.</p> <p>The data will be updated for accuracy if required, however updates are thought to be unlikely.</p>
5	Kept for minimum time necessary	<p>We will follow the following guidelines on retaining data: NHS code of practice (2009), MRC Personal Information in Medical Research (2003) and the Data Protection Act (1998).</p> <p>We are obliged to retain documents related to the study. Data will be held in appropriate repositories for the minimum period necessary. The trial master file will be archived by the chief investigator at UCL for 20 years after the end of the study. Principal investigators at participating hospitals will retain their study related documents for 5 years.</p> <p>Information will be destroyed (paper case report forms) or deleted (electronic data) confidentially once these time periods have elapsed.</p>
6	In accordance with rights of data subject	<p>The rights of individual patients will be respected during this study.</p> <p>Should a patient wish to access a copy of the information held about them, object to any further use of their data or request that their data be updated or erased they have two options.</p> <p>Firstly they may contact the principal investigator (PI) at their local hospital (either directly or via the Patient Advice and Liaison Service (PALS)) to request the above actions locally. The local PI will notify the central team who will complete the requested action centrally.</p> <p>Alternatively, the central team can be contacted via the study website (information will be on study posters). The central team will only hold anonymised data and will therefore have to contact the relevant local PI to arrange the requested action for the patient.</p> <p>The data will not be used for direct marketing, nor will automated decisions be made. Patients have the right to claim compensation for damages caused by a breach of the Data Protection Act.</p>
		<p>All information for the trial will be held securely and treated as strictly confidential according to NHS policies.</p> <p>Paper case report forms (CRFs) will be stored securely in locked offices and handled only by clinical staff experienced in handling personal information and who have completed the NIHR Good Clinical Practice training.</p> <p>The data will be entered electronically from password protected NHS desktop computers via a secure encrypted connection into an online portal hosted by NHS Scotland called REDCap. This is the point at which anonymisation occurs; no patient identifiable information (apart from gender) is being transferred outside of the local hospital either in paper or electronic format. REDCap (Research Electronic Data Capture – http://www.project-redcap.org) is a mature, secure web application for building and managing online surveys and databases. This will protect the data's security and confidentiality during transfer to the</p>

7	Security and confidentiality protection	<p>central research team.</p> <p>Anonymised data submitted via REDCap will be stored on NHS National Services Scotland (NSS) secure SHOW (Scottish Health on the Web) network servers which are protected both physically and electronically. Both REDCap and SHOW regularly update their software and have had their security assessed using a variety of electronic penetration tests. Only the iHypE trainee lead will have full access to the complete anonymised electronic dataset. All actions on the REDCap SHOW systems are logged.</p> <p>A log of patient hospital numbers and their corresponding unique study number will be kept locally at each participating site on the principle investigators password protected NHS desktop computer.</p> <p>All staff involved in the study are responsible for information security, however the principle investigators are responsible at each site and the chief investigator takes overall responsibility.</p> <p>Any breaches in data security will be managed rapidly to contain the breach, restore (where possible) the data, prevent further loss and notify the chief investigator, local primary investigator and local Caldicott guardians/ bodies. Participating hospitals will prevent and manage data breaches by working with caldicott guardians and following their local NHS trust information governance policies. The central team, as mentioned above, are using REDCap via NSS SHOW to manage data. Any system breaches will be reported to NSS SHOW and to the Health Board/Trust in question if data is involved; end-users will be provided with links to Caldicott information during sign-up as a pre-emptive measure.</p>
8	Not disclosed outside the EU	No data will be transferred or disclosed outside of the UK.

13. Have you undertaken a self-assessment using the NHS Information Governance toolkit?

☒ Yes ☐ No

If Yes, please provide details of your scoring and a summary of the actions to be taken as a result:

The study will be using the UCL Data Safe Haven IG Toolkit, Organisation Code: EE133902-SLMS-DSH, which is underway and will be using the same model as other UCL studies with level 2 IG Toolkits. It is therefore expected that this submission will attain a satisfactory level 2 once reviewed.

14. Who will act as Information Guardian for any health records or other personal information used by the research team during the study?

	Title Forename/Initials Surname
	Dr Daniel Martin
Post	Consultant in Anaesthesia and Critical Care, Royal Free Hospital; Senior Lecturer, UCL Division of Surgery and Interventional Science
Qualifications	FRCA FFICM PhD
Employer	University College London
Work Address	Perioperative and Critical Care Research Office University College London Division of Surgery and In

4th Floor
Royal Free Hospital London
Post Code NW3 2QG
Work Email daniel.martin@ucl.ac.uk
Work Telephone
Fax

15. Will you be applying to a NHS Research Ethics Committee for ethical review of this project?☐

Yes - application submitted

Name of REC:

REC reference number:

☒

Yes – application not yet submitted

☐

No

16. Do you have anything to add in support of the application, which is not included elsewhere on the form?

Nil.

Part B: Section 9 - Information Security Measures

Questions 1-7 should be answered in relation to each organisation receiving and processing identifiable data. Please open a separate set of the questions for each organisation.

CLSP for Organisation 1

1. Please give the name of the organisation.

University College London (UCL)

2. What security and audit measures have been implemented to secure access to, and limit use of, patient identifiable information within this organisation?

The identifiable information being collected for this study is hospital number and gender. Access to hospital number will be limited to local investigators (doctors in the anaesthetic department where the patient is being treated) only. Hospital number will be stored physically on the paper case report forms in a secure vessel (e.g. cupboard/ drawer) in a locked office. An electronic copy of the hospital number will be stored on the local principal investigators password protected NHS desktop computer.

Gender will be received centrally at UCL. Access to the full anonymised database has been limited to a single person (the trainee lead). Access requires 2 step authentication. Passwords require regular update and administrators have no access to end user passwords. Five failed user logins trigger account locking for 24 hours. All actions on the database are logged.

Data will be stored and processed in the SLMS Data Safe Haven, which is a safe haven system.

Access is via a remote desktop arrangement served via Citrix. Access is controlled via the use of a username, password, PIN and one-time token-based password. The token-based password is generated algorithmically and is changed every minute.

Customers are supplied with a password generating key fob or smart phone application to generate this. The IDHS is subject to external professional penetration testing on an ongoing basis. Reports on this are available.

Failed logon attempts are recorded in the IDHS system and are managed by the IDHS Service Operation Manager. Intrusion attempts and port scans are detected and reported to the UCL security function for investigation as necessary.

Data is transferred into the system via a secure gateway technology and is then retained via policy and systems that prevent data leakage (for example, through transfer of data to USB media or copy and paste to the client machine).

The SLMS Data Safe Haven is certified to ISO 27001:2013

3. Please provide an assessment of how the organisation's CLSP complies with the principles of the management and control guidelines contained in ISO 27002 (formerly ISO 17799:2005) and ISO 27001:2005 (both formerly parts 1 and 2 of BS7799 "Code of practice for information security management"). Confirm that the policy or policies have been formally adopted by the organisation and are fully implemented.

The SLMS Data Safe Haven is certified to ISO 27001:2013

UCL has an Information Security Policy equivalent to a CLSP, which is located here:

<https://www.ucl.ac.uk/isd/common/cst/swg/policy/public-policy/Policy>

Please provide an electronic reference copy of the CLSP.

4. Who is responsible for the implementation of the CLSP?

Title Forename/Initials Surname
Dr Daniel Martin

Post	Consultant in Anaesthesia and Critical Care, Royal Free Hospital Senior Lecturer, UCL Division of Surgery and Interventional Science
Qualifications	FRCA FFICM PhD
Employer	Royal Free Hospital NHS Foundation Trust
Work Address	Department of Anaesthesia Royal Free Hospital London
Post Code	NW3 2QG
Work Email	d.martin@ucl.ac.uk
Work Telephone	
Fax	

5. What is the Data Protection Registration Number for this organisation?

Z6364106/2016

6. Does the registration specify research as one of the purposes of processing and include confidential patient information in the classes of data processed?
☒ Yes ☐ No

Further details:

Please provide a copy of the Data Protection Registration(s).
7. Please describe the physical security arrangements for the location(s) where patient identifiable data is to be (a) processed and (b) stored (if these are different).

Data will be stored and processed in the SLMS Data Safe Haven, which is a safe haven system.

Access is via a remote desktop arrangement served via Citrix. Access is controlled via the use of a username, password, PIN and one-time token-based password. The token-based password is generated algorithmically and is changed every minute.

Customers are supplied with a password generating key fob or smart phone application to generate this. The SLMS Data Safe Haven is subject to external professional penetration testing on an ongoing basis. Reports on this are available.

Failed logon attempts are recorded in the SLMS Data Safe Haven system and are managed by the SLMS Data Safe Haven Service Operation Manager. Intrusion attempts and port scans are detected and reported to the UCL Information Security function for investigation as necessary.

Data is transferred into the system via a secure gateway technology and is then retained via policy and systems that prevent data leakage (for example, through transfer of data to USB media or copy and paste to the client machine).

CLSP for Organisation 2
1. Please give the name of the organisation.

National Services Scotland Anaesthesia.Audit

2. What security and audit measures have been implemented to secure access to, and limit use of, patient identifiable information within this organisation?

Two NHS Scotland Health Boards collaborate together on the Anaesthesia.Audit system utilised in the iHypE study:

-National Services Scotland (NSS) <https://nhsnss.org/how-nss-works/> and their Scotland's Health On the Web (SHOW) server team <http://www.scot.nhs.uk/about-nhs-scotland/about-show/>
 -the Golden Jubilee National Hospital (GJNH) <http://www.nhsgoldenjubilee.co.uk/about/>

Both NSS SHOW and the GJNH have clear and implemented control policies governing staff, IT systems and patient-identifiable data (PID). These are in turn based on national e-Health guidance for NHS Scotland.

The Anaesthesia.Audit system itself is a secure data collection tool that at its heart consists of a customised REDCap installation hosted on NSS SHOW's server network. The system is co-administered by SHOW and GJNH.

REDCap itself is a well-known academic software package regarded as secure to PID-level that includes a full audit trail of all activities.

Anaesthesia.Audit utilises multiple REDCap features including two-step authentication, access right tiers and email-locking to ensure that only the Chief Investigator or their named trainee delegate can access their own project data.

Investigator-status is only available to NHS consultants or directly-supported trainees via a structured application process that steps applicants through Caldicott and other Information Governance requirements.

More details are available here: <https://anaesthesia-audit.scot.nhs.uk/helpfiles/Anaesthesia.Audit%20REDCap%20Security%20Documentation%20final%2022.1.16.pdf>

3. Please provide an assessment of how the organisation's CLSP complies with the principles of the management and control guidelines contained in ISO 27002 (formerly ISO 17799:2005) and ISO 27001:2005 (both formerly parts 1 and 2 of BS7799 "Code of practice for information security management"). Confirm that the policy or policies have been formally adopted by the organisation and are fully implemented.

The NHS Scotland Security Policy (2015) formally commits NHS Scotland organisations to conform as closely as possible to the requirements of ISO27001. As an NHS Scotland organisation NHS National Services Scotland (NHS NSS) is bound by this NHS Scotland policies as well as its own set of local policies, which again, align with ISO27002.

Local policies include those for data protection, confidentiality, information security, IT acceptable use, freedom of Information, corporate records management, adverse events management, procedures for reporting, managing and reviewing significant Information security incidents. Policies are integrated into terms and conditions of employment and disciplinary policies. A continuous improvement model is adopted requiring review and improvement of policies and procedures as appropriate.

Further details of applicable policies and standards are located at:
<https://security.scot.nhs.uk/guidance/> (note, this site is on the SWAN protected network and may not be accessible to 3rd parties who do not have access)

Please provide an electronic reference copy of the CLSP.

4. Who is responsible for the implementation of the CLSP?

	Title Forename/Initials Surname
	Dr David Fallaha
Post	Consultant Anaesthetist
	MBBS
Qualifications	FRCA
Employer	Golden Jubilee National Hospital
Work Address	Department of Anaesthesia
	Agamemnon Street
	Clydebank
Post Code	G81 4DY
Work Email	david.fallaha@nhs.net
Work Telephone	
Fax	

5. What is the Data Protection Registration Number for this organisation?

Z5801192

6. Does the registration specify research as one of the purposes of processing and include confidential patient information in the classes of data processed?☒ Yes ☐ No*Further details:**Please provide a copy of the Data Protection Registration(s).***7. Please describe the physical security arrangements for the location(s) where patient identifiable data is to be (a) processed and (b) stored (if these are different).**

Raw collected data is stored within NSS SHOW's data centre, a physically-secure tier-4 data centre located in Livingston, Scotland. This is subject to physical access controls in line with ISO27001 A.11 controls for physical and environmental security. This covers management of physical security perimeters, environmental monitoring and protection against external and environmental threats, establishment of entry controls and procedures for secure area working.

By design, final processing of data takes place on the local NHS computer systems of the Chief Investigator (see details for organisation 1). Any exports/downloads carried out as part of this process are fully logged.

8.

It is a requirement that those organisations seeking to process identifiable patient information as outlined within this application provide a relevant Information Governance Toolkit submission. Please see the IRAS guidance section for further information in relation to this requirement.

PART C: Overview of research sites

Please enter details of the host organisations (Local Authority, NHS or other) in the UK that will be responsible for the research sites. For NHS sites, the host organisation is the Trust or Health Board. Where the research site is a primary care site, e.g. GP practice, please insert the host organisation (PCT or Health Board) in the Institution row and insert the research site (e.g. GP practice) in the Department row.

Investigator identifier	Research site	Investigator Name
IN2	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England Organisation name: IMPERIAL COLLEGE HEALTHCARE NHS TRUST Address: ST. MARYS HOSPITAL PRAED STREET LONDON GREATER LONDON Post Code: W2 1NY	Forename: Glenn Middle name: Family name: Arnold Email: Qualification (MD...): Country: UNITED KINGDOM
IN3	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England Organisation name: EAST LANCASHIRE HOSPITALS NHS TRUST Address: ROYAL BLACKBURN HOSPITAL HASLINGDEN ROAD BLACKBURN LANCASHIRE Post Code: BB2 3HH	Forename: Anton Middle name: Family name: Krige Email: Qualification (MD...): Country: UNITED KINGDOM
IN4	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename: Raj Middle name: Family name: Nichani Email: Qualification (MD...):

	Organisation name Address Post Code	BLACKPOOL TEACHING HOSPITALS NHS FOUNDATION TRUST VICTORIA HOSPITAL WHINNEY HEYS ROAD BLACKPOOL LANCASHIRE FY3 8NR	Country	
IN5	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England		Forename Middle name Family name Email Qualification (MD...) Country	Sue Harding UNITED KINGDOM
	Organisation name Address Post Code	UNIVERSITY HOSPITALS OF MORECAMBE BAY NHS FOUNDATION TRUST WESTMORLAND GENERAL HOSPITAL BURTON ROAD KENDAL CUMBRIA LA9 7RG		
IN6	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England		Forename Middle name Family name Email Qualification (MD...) Country	Sujesh Bansal UNITED KINGDOM
	Organisation name Address Post Code	CENTRAL MANCHESTER UNIVERSITY HOSPITALS NHS FOUNDATION TRUST TRUST HEADQUARTERS, COBBETT HOUSE MANCHESTER ROYAL INFIRMARY OXFORD ROAD MANCHESTER GREATER MANCHESTER M13 9WL		
IN7	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England		Forename Middle name Family name Email Qualification (MD...)	Stephen Davies

IN8	Organisation name	PENNINE ACUTE HOSPITALS NHS TRUST	Country	UNITED KINGDOM
	Address	TRUST HEADQUARTERS NORTH MANCHESTER GENERAL HOSPITAL DELAUNAYS ROAD, CRUMPSALL MANCHESTER GREATER MANCHESTER		
	Post Code	M8 5RB		
	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site			
	Country:	England	Forename	Neeraj
			Middle name	
			Family name	Sharma
			Email	
			Qualification (MD...)	
	Organisation name	WRIGHTINGTON, WIGAN AND LEIGH NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	THE ELMS ROYAL ALBERT EDWARD INFIRMARY WIGAN LANE WIGAN LANCASHIRE		
	Post Code	WN1 2NN		
IN9	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site			
	Country:	England	Forename	Sarah
			Middle name	
			Family name	Waldron
			Email	
			Qualification (MD...)	
	Organisation name	SALFORD ROYAL NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	SALFORD ROYAL STOTT LANE SALFORD GREATER MANCHESTER		
	Post Code	M6 8HD		
IN10	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site			
	Country:	England	Forename	Sarah
			Middle name	
			Family name	Wood
			Email	
			Qualification (MD...)	

	Organisation name Address Post Code	STOCKPORT NHS FOUNDATION TRUST STEPPING HILL HOSPITAL POPLAR GROVE STOCKPORT CHESHIRE SK2 7JE	Country UNITED KINGDOM
IN11	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...) Country	Hafiz Rehman UNITED KINGDOM
	Organisation name Address Post Code	TAMESIDE HOSPITAL NHS FOUNDATION TRUST TAMESIDE GENERAL HOSPITAL FOUNTAIN STREET ASHTON-UNDER-LYNE LANCASHIRE OL6 9RW	UNITED KINGDOM
IN12	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...) Country	Krishnakar Melachuri UNITED KINGDOM
	Organisation name Address Post Code	TRAFFORD HEALTHCARE NHS TRUST TRAFFORD GENERAL HOSPITAL MOORSIDE ROAD URMSTON MANCHESTER GREATER MANCHESTER M41 5SL	UNITED KINGDOM
IN13	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...)	Geraint Briggs

	Organisation name Address Post Code	UNIVERSITY HOSPITAL OF SOUTH MANCHESTER NHS FOUNDATION TRUST WYTHENSHAW HOSPITAL SOUTHMOOR ROAD WYTHENSHAW MANCHESTER GREATER MANCHESTER M23 9LT	Country	UNITED KINGDOM
IN14	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...)	Andrew Fairfield General Hospital Drummond	
	Organisation name Address Post Code	PENNINE ACUTE HOSPITALS NHS TRUST TRUST HEADQUARTERS NORTH MANCHESTER GENERAL HOSPITAL DELAUNAYS ROAD, CRUMPSALL MANCHESTER GREATER MANCHESTER M8 5RB	Country	UNITED KINGDOM
IN15	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...)	Bhaskar Rochdale Infirmary Saha	
	Organisation name Address Post Code	PENNINE ACUTE HOSPITALS NHS TRUST TRUST HEADQUARTERS NORTH MANCHESTER GENERAL HOSPITAL DELAUNAYS ROAD, CRUMPSALL MANCHESTER GREATER MANCHESTER M8 5RB	Country	UNITED KINGDOM
IN16	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email	Kailash St Mary's Manchester Bhatia	

	Organisation name Address Post Code	CENTRAL MANCHESTER UNIVERSITY HOSPITALS NHS FOUNDATION TRUST TRUST HEADQUARTERS, COBBETT HOUSE MANCHESTER ROYAL INFIRMARY OXFORD ROAD MANCHESTER GREATER MANCHESTER M13 9WL	Qualification (MD...) Country	UNITED KINGDOM
IN17	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England		Forename Middle name Family name Email Qualification (MD...) Country	Simon Morton UNITED KINGDOM
	Organisation name Address Post Code	LIVERPOOL HEART AND CHEST NHS FOUNDATION TRUST THOMAS DRIVE LIVERPOOL MERSEYSIDE L14 3PE		
IN18	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England		Forename Middle name Family name Email Qualification (MD...) Country	Simon Morton
	Organisation name Address Post Code	ROYAL LIVERPOOL AND BROADGREEN UNIVERSITY HOSPITALS NHS TRUST ROYAL LIVERPOOL UNIVERSITY HOSPITAL PRESCOT STREET LIVERPOOL MERSEYSIDE L7 8XP		
IN19	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England		Forename Middle name Family name Email Qualification (MD...)	Simon Morton

	Organisation name Address Post Code	AINTREE UNIVERSITY HOSPITALS NHS FOUNDATION TRUST UNIVERSITY HOSPITAL AINTREE FAZAKERLEY HOSPITAL LOWER LANE LIVERPOOL MERSEYSIDE L9 7AL	Country UNITED KINGDOM
IN20	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...) Country	Helen McNamara UNITED KINGDOM
	Organisation name Address Post Code	LIVERPOOL WOMEN'S NHS FOUNDATION TRUST LIVERPOOL WOMENS HOSPITAL CROWN STREET LIVERPOOL MERSEYSIDE L8 7SS	UNITED KINGDOM
IN21	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...) Country	Andrew Marchetti UNITED KINGDOM
	Organisation name Address Post Code	EAST CHESHIRE NHS TRUST MACCLESFIELD DISTRICT GEN HOSPITAL VICTORIA ROAD MACCLESFIELD CHESHIRE SK10 3BL	
IN22	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...)	Simon Morton

IN23	Organisation name	COUNTESS OF CHESTER HOSPITAL NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	THE COUNTESS OF CHESTER HEALTH PARK		
	Post Code	CHESTER CHESHIRE CH2 1UL		
	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site			
IN24	Country:	England	Forename	Simon
			Middle name	
			Family name	Morton
			Email	
			Qualification (MD...)	
	Organisation name	WIRRAL UNIVERSITY TEACHING HOSPITAL NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	ARROWE PARK HOSPITAL ARROWE PARK ROAD UPTON WIRRAL MERSEYSIDE		
	Post Code	CH49 5PE		
	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site			
	Country:	England	Forename	Simon
IN25			Middle name	
			Family name	Morton
			Email	
			Qualification (MD...)	
	Organisation name	SOUTHPORT AND ORMSKIRK HOSPITAL NHS TRUST	Country	UNITED KINGDOM
	Address	TOWN LANE		
	Post Code	SOUTHPORT MERSEYSIDE PR8 6PN		
	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site			
	Country:	England	Forename	Simon
			Middle name	
		Family name	Morton	
		Email		
		Qualification (MD...)		

	Organisation name Address Post Code	MID CHESHIRE HOSPITALS NHS FOUNDATION TRUST LEIGHTON HOSPITAL LEIGHTON CREWE CHESHIRE CW1 4QJ	Country UNITED KINGDOM
IN26	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...) Country	Simon Morton
	Organisation name Address Post Code	THE WALTON CENTRE NHS FOUNDATION TRUST LOWER LANE LIVERPOOL MERSEYSIDE L9 7LJ	
IN27	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...) Country	Simon Morton UNITED KINGDOM
	Organisation name Address Post Code	WARRINGTON AND HALTON HOSPITALS NHS FOUNDATION TRUST WARRINGTON HOSPITAL LOVELY LANE WARRINGTON CHESHIRE WA5 1QG	
IN28	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...)	Simon Morton

	Organisation name Address Post Code	ST HELENS AND KNOWSLEY HOSPITALS NHS TRUST WHISTON HOSPITAL WARRINGTON ROAD PRESCOT MERSEYSIDE L35 5DR	Country	UNITED KINGDOM
IN29	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England		Forename Middle name Family name Email Qualification (MD...)	Benjamin Harris
	Organisation name Address Post Code	SOUTHAMPTON UNIVERSITY HOSPITALS NHS TRUST MAILPOINT 18 SOUTHAMPTON GENERAL HOSPITAL TREMONA ROAD SOUTHAMPTON HAMPSHIRE SO16 6YD	Country	UNITED KINGDOM
IN30	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England		Forename Middle name Family name Email Qualification (MD...)	Fran Riccio
	Organisation name Address Post Code	PORTSMOUTH HOSPITALS NHS TRUST DE LA COURT HOUSE QUEEN ALEXANDRA HOSPITAL SOUTHWICK HILL ROAD PORTSMOUTH HAMPSHIRE PO6 3LY	Country	UNITED KINGDOM
IN31	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England		Forename Middle name Family name Email Qualification (MD...)	

	Organisation name Address Post Code	WINCHESTER AND EASTLEIGH HEALTHCARE NHS TRUST ROYAL HAMPSHIRE COUNTY HOSPITAL ROMSEY ROAD WINCHESTER HAMPSHIRE SO22 5DG	Country	UNITED KINGDOM
IN32	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England		Forename Middle name Family name Email Qualification (MD...)	Benjamin Harris
	Organisation name Address Post Code	BASINGSTOKE AND NORTH HAMPSHIRE NHS FOUNDATION TRUST ALDERMASTON ROAD BASINGSTOKE HAMPSHIRE RG24 9NA	Country	UNITED KINGDOM
IN33	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England		Forename Middle name Family name Email Qualification (MD...)	Benjamin Harris
	Organisation name Address Post Code	POOLE HOSPITAL NHS FOUNDATION TRUST LONGFLEET ROAD POOLE DORSET BH15 2JB	Country	UNITED KINGDOM
IN34	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England		Forename Middle name Family name Email Qualification (MD...)	Benjamin Harris

49

	Organisation name Address Post Code	SHEFFIELD TEACHING HOSPITALS NHS FOUNDATION TRUST NORTHERN GENERAL HOSPITAL HERRIES ROAD SHEFFIELD SOUTH YORKSHIRE S5 7AU	Country UNITED KINGDOM
IN38	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: Wales	Forename Middle name Family name Email Qualification (MD...) Country	Edward Curtis UNITED KINGDOM
	Institution name Department name Street address Town/city Post Code	Nevill Hall Hospital, Aneurin Bevan University Hea Department of Anaesthetics Brecon Road Abergavenny NP7 7EG	
IN39	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: Wales	Forename Middle name Family name Email Qualification (MD...) Country	James Tozer UNITED KINGDOM
	Institution name Department name Street address Town/city Post Code	Royal Gwent Hospital, Aneurin Bevan University Hea Department of Anaesthetics Cardiff Road Newport NP20 2UB	
IN40	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: Wales	Forename Middle name Family name Email Qualification (MD...) Country	Tony Funnell UNITED KINGDOM
	Institution name Department name Street address Town/city Post Code	University Hospital of Wales, Cardiff and Vale Uni Department of Anaesthetics Heath Park Cardiff CF14 4XW	

IN41

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Institution name University Hospital Llandough, Cardidff and Vale U
 Department name Department of Anaesthetics
 Street address Penlan Road
 Town/city Llandough
 Post Code CF64 2XX

Forename Tony
 Middle name
 Family name Funnell
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN42

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Institution name Royal Glamorgan Hospital, Cwm Taf University Healt
 Department name Department of Anaesthetics
 Street address Ynysmaerdy
 Town/city Pontyclun
 Post Code CF72 8XR

Forename Val
 Middle name
 Family name Hilton
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN43

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Institution name Prince Charles Hospital, Cwm Taf University Health
 Department name Department of Anaesthetics
 Street address Gurnos Road
 Town/city Merthyr Tydfil
 Post Code CF47 9DT

Forename Omar
 Middle name
 Family name Pemberton
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN44

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Forename Michael
 Middle name
 Family name Bretland
 Email
 Qualification (MD...)

IN45

Institution name Princess of Wales Hospital, Abertawe Bro Morgannwg
 Department name Department of Anaesthetics
 Street address Coity Road
 Town/city Bridgend
 Post Code CF31 1RQ

Country UNITED KINGDOM

☒ NHS site
☐ Non-NHS site

Forename Robert
 Middle name
 Family name King
 Email
 Qualification (MD...)

Country: Wales

Institution name Morriston Hospital, Abertawe Bro Morgannwg
 Department name Department of Anaesthetics
 Street address Heol Maes Eglwys
 Town/city Morriston
 Post Code SA6 6NL

Country UNITED KINGDOM

IN46

☒ NHS site
☐ Non-NHS site

Forename Robert
 Middle name
 Family name King
 Email
 Qualification (MD...)

Country: Wales

Institution name Singleton Hospital, Abertawe Bro Morgannwg
 Department name Department of Anaesthetics
 Street address Sketty Lane
 Town/city Sketty
 Post Code SA2 8QA

Country UNITED KINGDOM

IN47

☒ NHS site
☐ Non-NHS site

Forename
 Middle name
 Family name
 Email
 Qualification (MD...)

Country: Wales

Institution name Prince Philip Hospital, Hywel Dda University Health
 Department name Department of Anaesthetics
 Street address Bryngwyn Mawr Dafen Road
 Town/city Llanelli
 Post Code SA14 8QF

Country UNITED KINGDOM

IN48

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Institution name West Wales General Hospital, Hywel Dda University
 Department name Department of Anaesthetics
 Street address Dolgwili Road
 Town/city Carmarthen
 Post Code SA31 2AF

Forename Anthony
 Middle name
 Family name Laxton
 Email
 Qualification (MD...)
 Country AUSTRIA

IN49

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Institution name Withybush Hospital, Hywel Dda University Health Bo
 Department name Department of Anaesthetics
 Street address Fishguard Road
 Town/city Haverfordwest
 Post Code SA61 2PZ

Forename Sunita
 Middle name
 Family name Agarwal
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN50

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Institution name Bronglais Hospital, Hywel Dda University Health Bo
 Department name Department of Anaesthetics
 Street address Caradog Road
 Town/city Aberystwyth
 Post Code SY23 1ER

Forename Ramesh
 Middle name
 Family name Kumar
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN51

- ☒ NHS site
☐ Non-NHS site

Country: Wales

Forename Stephen
 Middle name
 Family name Clements
 Email
 Qualification (MD...)

IN52

Institution name Ysbyty Gwynedd, Betsi Cadwaladr University Health
 Department name Department of Anaesthetics
 Street address Penrhosgarnedd Road
 Town/city Bangor
 Post Code LL57 2PW

Country UNITED KINGDOM

☒ NHS site
☐ Non-NHS site

Forename Srisha
 Middle name
 Family name Shenoy
 Email
 Qualification (MD...)

Country: Wales

Institution name Ysbyty Glan Clwyd, Betsi Cadwaladr University Heal
 Department name Department of Anaesthetics
 Street address Rhuddlan Road
 Town/city Bodelwyddan
 Post Code LL18 5UJ

Country UNITED KINGDOM

IN53

☒ NHS site
☐ Non-NHS site

Forename Robert
 Middle name
 Family name Jones
 Email
 Qualification (MD...)

Country: Wales

Institution name Wrexham Maelor Hospital, Betsi Cadwaladr Universit
 Department name Department of Anaesthetics
 Street address Croesnewydd Road
 Town/city Wrexham
 Post Code LL13 7TD

Country UNITED KINGDOM

IN54

☒ NHS site
☐ Non-NHS site

Forename Tom
 Middle name
 Family name Price
 Email
 Qualification (MD...)

Country: Northern Ireland

Institution name Royal Victoria Hospital
 Department name Department of Anaesthetics
 Street address 274 Grosvenor Road
 Town/city Belfast
 Post Code BT12 6BA

Country UNITED KINGDOM

IN55	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Tom Middle name Family name Price Email Qualification (MD...)
Country: Northern Ireland		
Institution name Mater Infirmorum Hospital Department name Department of Anaesthetics Street address 45-54 Crumlin Road Town/city Belfast Post Code BT14 6AB		Country UNITED KINGDOM
IN56	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Andrew Middle name Family name Eggleton Email Qualification (MD...)
Country: Northern Ireland		
Institution name Belfast City Hospital Department name Department of Anaesthetics Street address 51 Lisburn Road Town/city Belfast Post Code BT9 7AB		Country UNITED KINGDOM
IN57	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Andrew Middle name Family name Eggleton Email Qualification (MD...)
Country: Northern Ireland		
Institution name Musgrave Park Hospital Department name Department of Anaesthetics Street address Stockman's Lane Town/city Belfast Post Code BT9 7JB		Country UNITED KINGDOM
IN58	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Andrew Middle name Family name Eggleton Email Qualification (MD...)
Country: Northern Ireland		
Institution name Ulster Hospital Department name Department of Anaesthetics		Country UNITED KINGDOM

	Street address	Upper Newtonards Road		
	Town/city	Dundonald, Belfast		
	Post Code	BT16 1RH		
IN59	<input checked="" type="radio"/> NHS site		Forename	Andrew
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Eggleton
	Country:	Northern Ireland	Email	
			Qualification (MD...)	
	Institution name	Craigavon Area Hospital	Country	UNITED KINGDOM
	Department name	Department of Anaesthetics		
	Street address	68 Lurgan Road		
	Town/city	Portadown		
	Post Code	BT63 5QQ		
IN60	<input checked="" type="radio"/> NHS site		Forename	Tom
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Price
	Country:	Northern Ireland	Email	
			Qualification (MD...)	
	Institution name	Altnagelvin Area Hospital	Country	UNITED KINGDOM
	Department name	Department of Anaesthetics		
	Street address	Glenshane Road		
	Town/city	Londonderry		
	Post Code	BT47 6SB		
IN61	<input checked="" type="radio"/> NHS site		Forename	Tom
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Price
	Country:	Northern Ireland	Email	
			Qualification (MD...)	
	Institution name	Antrim Area Hospital	Country	UNITED KINGDOM
	Department name	Department of Anaesthetics		
	Street address	45 Bush Road		
	Town/city	Antrim		
	Post Code	BT41 2RL		
IN62	<input checked="" type="radio"/> NHS site		Forename	David
	<input type="radio"/> Non-NHS site		Middle name	
			Family name	Buckley
	Country:	England	Email	
			Qualification	

			(MD...)	
	Organisation name	COUNTY DURHAM AND DARLINGTON NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	DARLINGTON MEMORIAL HOSPITAL HOLLYHURST ROAD DARLINGTON COUNTY DURHAM		
	Post Code	DL3 6HX		
IN63	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Lisa
			Middle name	
			Family name	Molus
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	NORTH TEES AND HARTLEPOOL NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	UNIVERSITY HOSPITAL OF HARTLEPOOL HOLDFORTH ROAD HARTLEPOOL CLEVELAND		
	Post Code	TS24 9AH		
IN64	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Claire
			Middle name	
			Family name	Watkinson
	Country: England		Email	
			Qualification (MD...)	
	Organisation name	SOUTH TEES HOSPITALS NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	JAMES COOK UNIVERSITY HOSPITAL MARTON ROAD MIDDLESBROUGH CLEVELAND		
	Post Code	TS4 3BW		
IN65	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site		Forename	Jane
			Middle name	
			Family name	Gibson
	Country: England		Email	
			Qualification (MD...)	

58

	Organisation name Address Post Code	THE NEWCASTLE UPON TYNE HOSPITALS NHS FOUNDATION TRUST FREEMAN HOSPITAL FREEMAN ROAD HIGH HEATON NEWCASTLE-UPON-TYNE TYNE AND WEAR NE7 7DN	Country UNITED KINGDOM
IN69	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...) Country UNITED KINGDOM	Christina McCarroll
	Organisation name Address Post Code	GATESHEAD HEALTH NHS FOUNDATION TRUST QUEEN ELIZABETH HOSPITAL GATESHEAD TYNE AND WEAR NE9 6SX	UNITED KINGDOM
IN70	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...) Country UNITED KINGDOM	Alaa Dakak
	Organisation name Address Post Code	NORTHUMBRIA HEALTHCARE NHS FOUNDATION TRUST RAKE LANE NORTH SHIELDS TYNE AND WEAR NE29 8NH	UNITED KINGDOM
IN71	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site Country: England	Forename Middle name Family name Email Qualification (MD...)	Jordan Minns

IN72

Organisation
nameNORTH CUMBRIA UNIVERSITY HOSPITALS NHS
TRUST

Country

UNITED
KINGDOM

Address

WEST CUMBERLAND HOSPITAL
HENSINGHAM

Post Code

WHITEHAVEN CUMBRIA
CA28 8JG☒ NHS site☐ Non-NHS site

Country: England

Forename

Sam

Middle name

Radcliffe site

Family name

Clark

Email

Qualification
(MD...)

Country

UNITED
KINGDOMOrganisation
name

OXFORD RADCLIFFE HOSPITALS NHS TRUST

Address

JOHN RADCLIFFE HOSPITAL
HEADLEY WAY

Post Code

HEADINGTON OXFORD OXFORDSHIRE
OX3 9DU

IN73

☒ NHS site☐ Non-NHS site

Country: England

Forename

Sam

Middle name

Churchill site

Family name

Clark

Email

Qualification
(MD...)

Country

UNITED
KINGDOMOrganisation
name

OXFORD RADCLIFFE HOSPITALS NHS TRUST

Address

JOHN RADCLIFFE HOSPITAL
HEADLEY WAY

Post Code

HEADINGTON OXFORD OXFORDSHIRE
OX3 9DU

IN74

☒ NHS site☐ Non-NHS site

Country: England

Forename

Richard

Middle name

Family name

Siviter

Email

Qualification
(MD...)

IN75

Organisation name NUFFIELD ORTHOPAEDIC CENTRE NHS TRUST
 Address WINDMILL ROAD
 HEADINGTON
 OXFORD OXFORDSHIRE
 Post Code OX3 7LD

Country UNITED KINGDOM

☒ NHS site

☐ Non-NHS site

Country: England

Forename Richard
 Middle name Horton site
 Family name Siviter
 Email
 Qualification (MD...)

Organisation name OXFORD RADCLIFFE HOSPITALS NHS TRUST
 Address JOHN RADCLIFFE HOSPITAL
 HEADLEY WAY
 HEADINGTON OXFORD OXFORDSHIRE
 Post Code OX3 9DU

Country UNITED KINGDOM

IN76

☒ NHS site

☐ Non-NHS site

Country: England

Forename Prad
 Middle name Stoke Mandeville site
 Family name Shanmuga
 Email
 Qualification (MD...)

Organisation name BUCKINGHAMSHIRE HEALTHCARE NHS TRUST
 Address AMERSHAM HOSPITAL
 WHIELDEN STREET
 AMERSHAM BUCKINGHAMSHIRE
 Post Code HP7 0JD

Country UNITED KINGDOM

IN77

☒ NHS site

☐ Non-NHS site

Country: England

Forename Orad
 Middle name Wycombe site
 Family name Shanmuga
 Email
 Qualification (MD...)

IN78	Organisation name	BUCKINGHAMSHIRE HEALTHCARE NHS TRUST	Country	UNITED KINGDOM	
	Address	AMERSHAM HOSPITAL WHIELDEN STREET AMERSHAM BUCKINGHAMSHIRE			
	Post Code	HP7 0JD			
IN79	<input checked="" type="radio"/> NHS site		Forename	Alex	
	<input type="radio"/> Non-NHS site		Middle name		
			Family name	Mattin	
	Country: England		Email		
			Qualification (MD...)		
	Organisation name	ROYAL BERKSHIRE NHS FOUNDATION TRUST	Country	UNITED KINGDOM	
	Address	ROYAL BERKSHIRE HOSPITAL LONDON ROAD READING BERKSHIRE			
	Post Code	RG1 5AN			
	IN80	<input checked="" type="radio"/> NHS site		Forename	Alex
		<input type="radio"/> Non-NHS site		Middle name	
			Family name	Mattin	
Country: England			Email		
			Qualification (MD...)		
Organisation name		HEATHERWOOD AND WEXHAM PARK HOSPITALS NHS FOUNDATION TRUST	Country	UNITED KINGDOM	
Address		WEXHAM PARK HOSPITAL WEXHAM STREET WEXHAM SLOUGH BERKSHIRE			
Post Code		SL2 4HL			
IN80		<input checked="" type="radio"/> NHS site		Forename	Martyn
		<input type="radio"/> Non-NHS site		Middle name	
			Family name	Ezra	
	Country: England		Email		
			Qualification (MD...)		
	Organisation name	MILTON KEYNES HOSPITAL NHS FOUNDATION TRUST	Country	UNITED KINGDOM	

Address	STANDING WAY EAGLESTONE MILTON KEYNES BUCKINGHAMSHIRE		
Post Code	MK6 5LD		
IN81	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Rafiqu Middle name Family name Shabiyulla Email Qualification (MD...)	
	Country: Scotland		
	Institution name Western General Hospital Department name Department of Anaesthetics Street address Crewe Road South Town/city Edinburgh Post Code EH4 2XU	Country UNITED KINGDOM	
IN82	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Rafiqu Middle name Family name Shabiyulla Email Qualification (MD...)	
	Country: Scotland		
	Institution name Western General Hospital Department name Department of Anaesthetics Street address Crewe Road South Town/city Edinburgh Post Code EH4 2XU	Country UNITED KINGDOM	
IN83	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Jamie Middle name Family name Dick Email Qualification (MD...)	
	Country: Scotland		
	Institution name St Johns Hospital Department name Department of Anaesthetics Street address Howden South Road Town/city Livingston Post Code EH54 6PP	Country UNITED KINGDOM	
IN84	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Rafiqu Middle name	

IN85	Country: Scotland	Family name	Shabiyulla	
		Email		
		Qualification (MD...)		
	Institution name	Borders General Hospital	Country	UNITED KINGDOM
	Department name	Department of Anaesthetics		
	Street address	Melrose		
	Town/city	Roxburghshire		
	Post Code	TD6 9BS		
	<input checked="" type="radio"/> NHS site		Forename	Jamie
	<input type="radio"/> Non-NHS site		Middle name	
IN86	Country: Scotland	Family name	Dick	
		Email		
		Qualification (MD...)		
	Institution name	Queen Margaret Hospital	Country	UNITED KINGDOM
	Department name	Department of Anaesthetics		
	Street address	Whitefield Road		
	Town/city	Dunfermline		
	Post Code	KY12 0SU		
	<input checked="" type="radio"/> NHS site		Forename	Jamie
	<input type="radio"/> Non-NHS site		Middle name	
IN87	Country: Scotland	Family name	Dick	
		Email		
		Qualification (MD...)		
	Institution name	Victoria Hospital	Country	UNITED KINGDOM
	Department name	Department of Anaesthetics		
	Street address	Hayfield Road		
	Town/city	Kirkcaldy		
	Post Code	KY2 5AH		
	<input checked="" type="radio"/> NHS site		Forename	Ally
	<input type="radio"/> Non-NHS site		Middle name	
IN87	Country: England	Family name	Ellison	
		Email		
		Qualification (MD...)		
	Organisation name	MEDWAY NHS FOUNDATION TRUST	Country	UNITED KINGDOM
	Address	MEDWAY MARITIME HOSPITAL WINDMILL ROAD GILLINGHAM KENT		
	Post Code	ME7 5NY		

IN88

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BRIGHTON AND SUSSEX UNIVERSITY
HOSPITALS NHS TRUST
 Address ROYAL SUSSEX COUNTY HOSPITAL
EASTERN ROAD
BRIGHTON EAST SUSSEX
 Post Code BN2 5BE

Forename Manish
 Middle name
 Family name Verma
 Email
 Qualification (MD...)
 Country

IN89

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name EAST SUSSEX HEALTHCARE NHS TRUST
 Address ST. ANNES HOUSE
729 THE RIDGE
ST. LEONARDS-ON-SEA EAST SUSSEX
 Post Code TN37 7PT

Forename Tim
 Middle name Eastbourne
DGH
 Family name Hendra
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN90

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name EAST SUSSEX HEALTHCARE NHS TRUST
 Address ST. ANNES HOUSE
729 THE RIDGE
ST. LEONARDS-ON-SEA EAST SUSSEX
 Post Code TN37 7PT

Forename Kishore
 Middle name Conquest
hospital
 Family name Mavhavarapu
 Email
 Qualification (MD...)
 Country

IN91

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WESTERN SUSSEX HOSPITALS NHS TRUST
 Address WORTHING HOSPITAL
 LYNDHURST ROAD
 WORTHING WEST SUSSEX
 Post Code BN11 2DH

Forename Lucy
 Middle name
 Family name Barnes
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN92

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WESTERN SUSSEX HOSPITALS NHS TRUST
 Address WORTHING HOSPITAL
 LYNDHURST ROAD
 WORTHING WEST SUSSEX
 Post Code BN11 2DH

Forename Sean
 Middle name Chichester
 Family name Speers
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN93

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BRIGHTON AND SUSSEX UNIVERSITY
 HOSPITALS NHS TRUST
 Address ROYAL SUSSEX COUNTY HOSPITAL
 EASTERN ROAD
 BRIGHTON EAST SUSSEX
 Post Code BN2 5BE

Forename Manish
 Middle name
 Family name Verma
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN94

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SURREY AND SUSSEX HEALTHCARE NHS TRUST
 Address EAST SURREY HOSPITAL
 CANADA AVENUE
 REDHILL SURREY
 Post Code RH1 5RH

Forename Ben
 Middle name
 Family name Carey
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN95

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL SURREY COUNTY HOSPITAL NHS FOUNDATION TRUST
 Address EGERTON ROAD
 GUILDFORD SURREY
 Post Code GU2 7XX

Forename Mihir
 Middle name
 Family name Desai
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN96

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name DARTFORD AND GRAVESHAM NHS TRUST
 Address DARENT VALLEY HOSPITAL
 DARENTH WOOD ROAD
 DARTFORD KENT
 Post Code DA2 8DA

Forename Diana
 Middle name
 Family name Neeley
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN97

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name EAST KENT HOSPITALS UNIVERSITY NHS
FOUNDATION TRUST
 Address KENT & CANTERBURY HOSPITAL
 ETHELBERT ROAD
 CANTERBURY KENT
 Post Code CT1 3NG

Forename Sanjay
 Middle name William
 Harvey
 Family name Agrawal
 Email
 Qualification
 (MD...)
 Country UNITED
 KINGDOM

IN98

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name EAST KENT HOSPITALS UNIVERSITY NHS
FOUNDATION TRUST
 Address KENT & CANTERBURY HOSPITAL
 ETHELBERT ROAD
 CANTERBURY KENT
 Post Code CT1 3NG

Forename Ruth
 Middle name Margate
 Family name de Las
 Casas
 Email
 Qualification
 (MD...)
 Country UNITED
 KINGDOM

IN99

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name EAST KENT HOSPITALS UNIVERSITY NHS
FOUNDATION TRUST
 Address KENT & CANTERBURY HOSPITAL
 ETHELBERT ROAD
 CANTERBURY KENT
 Post Code CT1 3NG

Forename Shyman
 Middle name Canterbury
 Family name Laxman
 Email
 Qualification
 (MD...)
 Country UNITED
 KINGDOM

IN100

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name MAIDSTONE AND TUNBRIDGE WELLS NHS TRUST
 Address MAIDSTONE HOSPITAL
 HERMITAGE LANE
 MAIDSTONE KENT
 Post Code ME16 9QQ

Forename Ruth
 Middle name Maidstone site
 Family name de Las Casas
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN101

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name MAIDSTONE AND TUNBRIDGE WELLS NHS TRUST
 Address MAIDSTONE HOSPITAL
 HERMITAGE LANE
 MAIDSTONE KENT
 Post Code ME16 9QQ

Forename Ruth
 Middle name Pembury site
 Family name de Las Casas
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN103

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNIVERSITY HOSPITALS BRISTOL NHS FOUNDATION TRUST
 Address MARLBOROUGH STREET
 BRISTOL AVON
 Post Code BS1 3NU

Forename Peter
 Middle name
 Family name Steed
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN104

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NORTH BRISTOL NHS TRUST
 Address FRENCHAY HOSPITAL
 BECKSPool ROAD
 FRENCHAY BRISTOL AVON
 Post Code BS16 1JE

Forename Kate
 Middle name
 Family name Reeve
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN105

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL UNITED HOSPITAL BATH NHS TRUST
 Address COMBE PARK
 BATH AVON
 Post Code BA1 3NG

Forename Phil
 Middle name
 Family name Bewley
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN106

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name GLOUCESTERSHIRE HOSPITALS NHS FOUNDATION TRUST
 Address TRUST HQ
 1 COLLEGE LAWN
 CHELTENHAM GLOUCESTERSHIRE
 Post Code GL53 7AG

Forename Andrew
 Middle name
 Family name Baird
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN107	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Andrew Middle name Cheltenham General Family name Baird Email Qualification (MD...)
Country: England		Country UNITED KINGDOM
Organisation name	GLOUCESTERSHIRE HOSPITALS NHS FOUNDATION TRUST	
Address	TRUST HQ 1 COLLEGE LAWN CHELTENHAM GLOUCESTERSHIRE	
Post Code	GL53 7AG	
IN108	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Guru Middle name Family name Hosdurga Email Qualification (MD...)
Country: England		Country UNITED KINGDOM
Organisation name	WESTON AREA HEALTH NHS TRUST	
Address	WESTON GENERAL HOSPITAL GRANGE ROAD UPHILL WESTON-SUPER-MARE AVON	
Post Code	BS23 4TQ	
IN109	<input checked="" type="radio"/> NHS site <input type="radio"/> Non-NHS site	Forename Jamie Middle name Family name Penketh Email Qualification (MD...)
Country: England		Country UNITED KINGDOM
Organisation name	YEOVIL DISTRICT HOSPITAL NHS FOUNDATION TRUST	
Address	YEOVIL DISTRICT HOSPITAL HIGHER KINGSTON YEOVIL SOMERSET	
Post Code	BA21 4AT	

IN110

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name GREAT WESTERN HOSPITALS NHS
FOUNDATION TRUST
 Address GREAT WESTERN HOSPITAL
MARLBOROUGH ROAD
SWINDON WILTSHIRE
 Post Code SN3 6BB

Forename Rachel
 Middle name
 Family name Prout
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN111

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name DERBY HOSPITALS NHS FOUNDATION TRUST
 Address DERBY CITY GENERAL HOSPITAL
UTTOXETER ROAD
DERBY DERBYSHIRE
 Post Code DE22 3NE

Forename Laura
 Middle name
 Family name Carrick
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN112

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNIVERSITY HOSPITALS OF LEICESTER NHS
TRUST
 Address GWENDOLEN HOUSE
GWENDOLEN ROAD
LEICESTER LEICESTERSHIRE
 Post Code LE5 4QF

Forename Jenny
 Middle name
 Family name Briggs
 Email
 Qualification (MD...)
 Country

IN113

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NOTTINGHAM UNIVERSITY HOSPITALS NHS TRUST
Address TRUST HEADQUARTERS
QMC CAMPUS
DERBY ROAD NOTTINGHAM
NOTTINGHAMSHIRE
Post Code NG7 2UH

Forename Michael
Middle name
Family name Jarvis
Email
Qualification (MD...)
Country

IN114

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NOTTINGHAM UNIVERSITY HOSPITALS NHS TRUST
Address TRUST HEADQUARTERS
QMC CAMPUS
DERBY ROAD NOTTINGHAM
NOTTINGHAMSHIRE
Post Code NG7 2UH

Forename Lou
Middle name City Hospital
Family name Carlson Hedges
Email
Qualification (MD...)
Country UNITED KINGDOM

IN115

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name KETTERING GENERAL HOSPITAL NHS FOUNDATION TRUST
Address ROTHWELL ROAD
KETTERING NORTHAMPTONSHIRE
Post Code NN16 8UZ

Forename Deepak
Middle name
Family name Choudry
Email
Qualification (MD...)
Country UNITED KINGDOM

IN116

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name CHESTERFIELD ROYAL HOSPITAL NHS
FOUNDATION TRUST
 Address CALOW

Post Code CHESTERFIELD DERBYSHIRE
S44 5BL

Forename Mike
 Middle name
 Family name Scanlan
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN117

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNITED LINCOLNSHIRE HOSPITALS NHS
TRUST
 Address LINCOLN COUNTY HOSPITAL
GREETWELL ROAD
LINCOLN LINCOLNSHIRE
 Post Code LN2 4AX

Forename Kasia
 Middle name
 Family name Syzpula
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN118

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL BOLTON HOSPITAL NHS FOUNDATION
TRUST
 Address THE ROYAL BOLTON HOSPITAL
MINERVA ROAD
FARNWORTH BOLTON LANCASHIRE
 Post Code BL4 0JR

Forename Daniel
 Middle name
 Family name Nethercott
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN119

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name PENNINE ACUTE HOSPITALS NHS TRUST
 Address TRUST HEADQUARTERS
 NORTH MANCHESTER GENERAL HOSPITAL
 DELAUNAYS ROAD, CRUMPSALL MANCHESTER
 GREATER MANCHESTER
 Post Code M8 5RB

Forename Bhaskar
 Middle name
 Family name Saha
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN120

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name LANCASHIRE TEACHING HOSPITALS NHS
 FOUNDATION TRUST
 Address CHIEF EXECUTIVE'S OFFICE
 ROYAL PRESTON HOSPITAL
 SHAROE GREEN LANE, FULWOOD PRESTON
 LANCASHIRE
 Post Code PR2 9HT

Forename Shondipon
 Middle name
 Family name Laha
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN121

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNIVERSITY HOSPITAL BIRMINGHAM NHS
 FOUNDATION TRUST
 Address TRUST HQ, PO BOX 9551
 QUEEN ELIZABETH MEDICAL CENTRE
 EDGBASTON BIRMINGHAM WEST MIDLANDS
 Post Code B15 2TH

Forename Laura
 Middle name
 Family name Troth
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN122

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WYE VALLEY NHS TRUST
 Address COUNTY HOSPITAL
 UNION WALK
 HEREFORD HEREFORDSHIRE
 Post Code HR1 2ER

Forename Rosalin
 Middle name
 Family name Baker
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN123

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name THE ROYAL WOLVERHAMPTON HOSPITALS
 NHS TRUST
 Address NEW CROSS HOSPITAL
 WOLVERHAMPTON ROAD
 HEATH TOWN WOLVERHAMPTON WEST
 MIDLANDS
 Post Code WV10 0QP

Forename Thy
 Middle name
 Family name Do
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN124

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WORCESTERSHIRE ACUTE HOSPITALS NHS
 TRUST
 Address WORCESTERSHIRE ROYAL HOSPITAL
 CHARLES HASTINGS WAY
 WORCESTER WORCESTERSHIRE
 Post Code WR5 1DD

Forename Katy
 Middle name
 Family name Miller
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN125

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SANDWELL AND WEST BIRMINGHAM
HOSPITALS NHS TRUST
 Address CITY HOSPITAL
DUDLEY ROAD
BIRMINGHAM WEST MIDLANDS
 Post Code B18 7QH

Forename Julia
 Middle name
 Family name Blackburn
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN126

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SANDWELL AND WEST BIRMINGHAM
HOSPITALS NHS TRUST
 Address CITY HOSPITAL
DUDLEY ROAD
BIRMINGHAM WEST MIDLANDS
 Post Code B18 7QH

Forename Laura
 Middle name City site
 Family name Troth
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN127

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name HEART OF ENGLAND NHS FOUNDATION
TRUST
 Address BIRMINGHAM HEARTLANDS HOSPITAL
BORDESLEY GREEN EAST
BIRMINGHAM WEST MIDLANDS
 Post Code B9 5ST

Forename Joseph
 Middle name
 Family name Alderman
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN128

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SHREWSBURY AND TELFORD HOSPITAL NHS TRUST
 Address MYTTON OAK ROAD

Post Code SHREWSBURY SHROPSHIRE
 SY3 8XQ

Forename Jessica
 Middle name
 Family name Aston
 Email Shrewsbury site
 Qualification (MD...)
 Country UNITED KINGDOM

IN129

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SHREWSBURY AND TELFORD HOSPITAL NHS TRUST
 Address MYTTON OAK ROAD

Post Code SHREWSBURY SHROPSHIRE
 SY3 8XQ

Forename Jessica
 Middle name Telford site
 Family name Aston
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN130

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNIVERSITY HOSPITAL OF NORTH STAFFORDSHIRE NHS TRUST
 Address NORTH STAFFORDSHIRE ROYAL INFIRMARY PRINCES ROAD
 STOKE-ON-TRENT STAFFORDSHIRE
 Post Code ST4 7LN

Forename James
 Middle name
 Family name Nalwaya
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN131

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name PLYMOUTH HOSPITALS NHS TRUST
 Address DERRIFORD HOSPITAL
 DERRIFORD ROAD
 PLYMOUTH DEVON
 Post Code PL6 8DH

Forename Sebastian
 Middle name
 Family name Brown
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN132

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL CORNWALL HOSPITALS NHS TRUST
 Address ROYAL CORNWALL HOSPITAL
 TRELISKE TRURO CORNWALL
 Post Code TR1 3LJ

Forename Sarah
 Middle name
 Family name Cassie
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN133

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SOUTH DEVON HEALTHCARE NHS FOUNDATION TRUST
 Address HENGRAVE HOUSE
 TORBAY HOSPITAL
 NEWTON ROAD TORQUAY DEVON
 Post Code TQ2 7AA

Forename Benjamin
 Middle name
 Family name Hearne
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN134

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL DEVON AND EXETER NHS FOUNDATION TRUST
 Address ROYAL DEVON & EXETER HOSPITAL
 BARRACK ROAD
 EXETER DEVON
 Post Code EX2 5DW

Forename Emily
 Middle name
 Family name Howells
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN135

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NORTHERN DEVON HEALTHCARE NHS TRUST
 Address NORTH DEVON DISTRICT HOSPITAL
 RALEIGH PARK
 BARNSTAPLE DEVON
 Post Code EX31 4JB

Forename Emma
 Middle name
 Family name Shacklock
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN136

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name TAUNTON AND SOMERSET NHS FOUNDATION TRUST
 Address MUSGROVE PARK HOSPITAL
 TAUNTON SOMERSET
 Post Code TA1 5DA

Forename Andrew
 Middle name
 Family name Woodgate
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN137

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL FREE HAMPSTEAD NHS TRUST
 Address ROYAL FREE HOSPITAL
 POND STREET
 LONDON GREATER LONDON
 Post Code NW3 2QG

Forename Daniel
 Middle name
 Family name Martin
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN138

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BARNET AND CHASE FARM HOSPITALS NHS TRUST
 Address BARNET GENERAL HOSPITAL
 WELLHOUSE LANE
 BARNET HERTFORDSHIRE
 Post Code EN5 3DJ

Forename Jeremy
 Middle name
 Family name Dawson
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN139

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NORTH MIDDLESEX UNIVERSITY HOSPITAL NHS TRUST
 Address STERLING WAY
 LONDON GREATER LONDON
 Post Code N18 1QX

Forename Ferenc
 Middle name
 Family name Kovari
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN140

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name EAST AND NORTH HERTFORDSHIRE NHS TRUST
Address LISTER HOSPITAL
COREYS MILL LANE
STEVENAGE HERTFORDSHIRE
Post Code SG1 4AB

Forename Jon
Middle name
Family name Brammall
Email
Qualification (MD...)
Country UNITED KINGDOM

IN141

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNIVERSITY COLLEGE LONDON HOSPITALS NHS FOUNDATION TRUST
Address 250 EUSTON ROAD
LONDON GREATER LONDON
Post Code NW1 2PG

Forename Ed
Middle name
Family name Burdett
Email
Qualification (MD...)
Country UNITED KINGDOM

IN142

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name THE PRINCESS ALEXANDRA HOSPITAL NHS TRUST
Address HAMSTEL ROAD
HARLOW ESSEX
Post Code CM20 1QX

Forename Kevin
Middle name
Family name Hamilton
Email
Qualification (MD...)
Country UNITED KINGDOM

IN143

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL NATIONAL ORTHOPAEDIC HOSPITAL
 NHS TRUST
 Address BROCKLEY HILL

Post Code STANMORE MIDDLESEX
 HA7 4LP

Forename Mogera
 Middle name
 Family name Chandra
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN144

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name THE WHITTINGTON HOSPITAL NHS TRUST
 Address THE WHITTINGTON HOSPITAL
 MAGDALA AVENUE
 LONDON GREATER LONDON
 Post Code N19 5NF

Forename Trudi
 Middle name
 Family name Young
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN145

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name UNIVERSITY COLLEGE LONDON HOSPITALS
 NHS FOUNDATION TRUST
 Address 250 EUSTON ROAD
 Post Code LONDON GREATER LONDON
 NW1 2PG

Forename Val
 Middle name NHNN site
 Family name Luoma
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN146

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name COLCHESTER HOSPITAL UNIVERSITY NHS
FOUNDATION TRUST
 Address COLCHESTER DISTRICT GENERAL HO
TURNER ROAD
 COLCHESTER ESSEX
 Post Code CO4 5JL

Forename
 Middle name
 Family name
 Email
 Qualification
(MD...)
 Country

IN147

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name THE ROYAL MARSDEN NHS FOUNDATION
TRUST
 Address FULHAM ROAD
 LONDON GREATER LONDON
 Post Code SW3 6JJ

Forename Vimal
 Middle name
 Family name Grover
 Email
 Qualification
(MD...)
 Country UNITED
KINGDOM

IN148

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NORTH WEST LONDON HOSPITALS NHS
TRUST
 Address NORTHWICK PARK HOSPITAL
WATFORD ROAD
HARROW MIDDLESEX
 Post Code HA1 3UJ

Forename Kausi
 Middle name
 Family name Rao
 Email
 Qualification
(MD...)
 Country UNITED
KINGDOM

IN149

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WEST MIDDLESEX UNIVERSITY HOSPITAL NHS TRUST
 Address TWICKENHAM ROAD

Post Code ISLEWORTH MIDDLESEX
 TW7 6AF

Forename Miriam
 Middle name
 Family name Kadry
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN150

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WEST HERTFORDSHIRE HOSPITALS NHS TRUST
 Address TRUST OFFICES
 HEMEL HEMPSTEAD GENERAL HOSPITAL
 HILLFIELD ROAD HEMEL HEMPSTEAD
 HERTFORDSHIRE
 Post Code HP2 4AD

Forename Ajoy
 Middle name
 Family name Pandit
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN151

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name THE HILLINGDON HOSPITALS NHS FOUNDATION TRUST
 Address FIELD HEATH ROAD
 Post Code UXBRIDGE MIDDLESEX
 UB8 3NN

Forename Julie
 Middle name
 Family name Wakeford
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN152

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name CHELSEA AND WESTMINSTER HOSPITAL NHS
 FOUNDATION TRUST
 Address CHELSEA & WESTMINSTER HOSPITAL
 369 FULHAM ROAD
 LONDON GREATER LONDON
 Post Code SW10 9NH

Forename Melinda
 Middle name
 Family name Same
 Email
 Qualification (MD...)
 Country UNITED
 KINGDOM

IN153

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ROYAL BROMPTON AND HAREFIELD NHS
 FOUNDATION TRUST
 Address ROYAL BROMPTON HOSPITAL
 SYDNEY STREET
 LONDON GREATER LONDON
 Post Code SW3 6NP

Forename Sian
 Middle name
 Family name Jagger
 Email
 Qualification (MD...)
 Country UNITED
 KINGDOM

IN154

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ST GEORGE'S HEALTHCARE NHS TRUST
 Address ST GEORGE'S HOSPITAL
 BLACKSHAW ROAD
 TOOTING LONDON GREATER LONDON
 Post Code SW17 0QT

Forename Carolyn
 Middle name
 Family name Johnstone
 Email
 Qualification (MD...)
 Country UNITED
 KINGDOM

IN155

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name ASHFORD AND ST PETER'S HOSPITALS NHS
FOUNDATION TRUST
 Address ST PETERS HOSPITAL
GUILDFORD ROAD
CHERTSEY SURREY
 Post Code KT16 0PZ

Forename Richard
 Middle name
 Family name George
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN156

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name CROYDON HEALTH SERVICES NHS TRUST
 Address MAYDAY UNIVERSITY HOSPITAL
LONDON ROAD
THORNTON HEATH SURREY
 Post Code CR7 7YE

Forename Vanessa
 Middle name
 Family name Cowie
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN157

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name GUY'S AND ST THOMAS' NHS FOUNDATION
TRUST
 Address TRUST OFFICES
GUY'S HOSPITAL
GREAT MAZE POND LONDON GREATER
LONDON
 Post Code SE1 9RT

Forename Cheng
 Middle name
 Family name Ong
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN158

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name GUY'S AND ST THOMAS' NHS FOUNDATION TRUST
 Address TRUST OFFICES
 GUY'S HOSPITAL
 GREAT MAZE POND LONDON GREATER LONDON
 Post Code SE1 9RT

Forename Heena
 Middle name St Thomas' site
 Family name Bidd
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN159

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name LEWISHAM HEALTHCARE NHS TRUST
 Address UNIVERSITY HOSPITAL LEWISHAM
 LEWISHAM HIGH STREET
 LONDON GREATER LONDON
 Post Code SE13 6LH

Forename Silvia
 Middle name Lewsiham site
 Family name Leonardi
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN160

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name KING'S COLLEGE HOSPITAL NHS FOUNDATION TRUST
 Address DENMARK HILL
 LONDON GREATER LONDON
 Post Code SE5 9RS

ForenameCarolyn
 Middle name PRUH site
 Family name Timberlake
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN161

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name LEWISHAM HEALTHCARE NHS TRUST
 Address UNIVERSITY HOSPITAL LEWISHAM
 LEWISHAM HIGH STREET
 LONDON GREATER LONDON
 Post Code SE13 6LH

Forename Concilia
 Middle name Woolwich
 site
 Family name Dipura
 Email
 Qualification
 (MD...)
 Country UNITED
 KINGDOM

IN162

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BARTS AND THE LONDON NHS TRUST
 Address TRUST OFFICES, WHITECHAPEL
 THE ROYAL LONDON HOSPITAL
 WHITECHAPEL LONDON GREATER LONDON
 Post Code E1 1BB

Forename Anil
 Middle name RLH site
 Family name Visram
 Email
 Qualification
 (MD...)
 Country UNITED
 KINGDOM

IN163

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name HOMERTON UNIVERSITY HOSPITAL NHS
 FOUNDATION TRUST
 Address HOMERTON ROW
 LONDON GREATER LONDON
 Post Code E9 6SR

Forename Lionel
 Middle name
 Family name Davies
 Email
 Qualification
 (MD...)
 Country UNITED
 KINGDOM

IN164

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BASILDON AND THURROCK UNIVERSITY
HOSPITALS NHS FOUNDATION TRUST
 Address BASILDON HOSPITAL

Post Code NETHERMAYNE BASILDON ESSEX
 SS16 5NL

Forename Venkat
 Middle name
 Family name Shenoy
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN165

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name WHIPPS CROSS UNIVERSITY HOSPITAL NHS
TRUST
 Address WHIPPS CROSS HOSPITAL
WHIPPS CROSS ROAD
LONDON GREATER LONDON
 Post Code E11 1NR

Forename Chris
 Middle name
 Family name Barringer
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN166

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BARKING, HAVERING AND REDBRIDGE
UNIVERSITY HOSPITALS NHS TRUST
 Address QUEENS HOSPITAL
ROM VALLEY WAY
ROMFORD ESSEX
 Post Code RM7 0AG

Forename Vinod
 Middle name
 Family name Shenoy
 Email
 Qualification (MD...)
 Country UNITED
KINGDOM

IN167

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name MID ESSEX HOSPITAL SERVICES NHS TRUST
 Address BROOMFIELD HOSPITAL
 COURT ROAD
 CHELMSFORD ESSEX
 Post Code CM1 7ET

Forename Agnes
 Middle name
 Family name Watson
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN168

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SOUTHEND UNIVERSITY HOSPITAL NHS FOUNDATION TRUST
 Address PRITTLEWELL CHASE
 WESTCLIFF ON SEA ESSEX
 Post Code SS0 0RY

Forename Bobby
 Middle name
 Family name Krishnachetty
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN169

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NEWHAM UNIVERSITY HOSPITAL NHS TRUST
 Address NEWHAM GENERAL HOSPITAL
 GLEN ROAD
 LONDON GREATER LONDON
 Post Code E13 8SL

Forename Tappy
 Middle name
 Family name Kushindora
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN170

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BARTS AND THE LONDON NHS TRUST
 Address TRUST OFFICES, WHITECHAPEL
 THE ROYAL LONDON HOSPITAL
 WHITECHAPEL LONDON GREATER LONDON
 Post Code E1 1BB

Forename Sibtain
 Middle name Bart's site
 Family name Anwar
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN172

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name LEEDS TEACHING HOSPITALS NHS TRUST
 Address ST. JAMES'S UNIVERSITY HOSPITAL
 BECKETT STREET
 LEEDS WEST YORKSHIRE
 Post Code LS9 7TF

Forename Andrew
 Middle name LGI site
 Family name Lumb
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN173

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name LEEDS TEACHING HOSPITALS NHS TRUST
 Address ST. JAMES'S UNIVERSITY HOSPITAL
 BECKETT STREET
 LEEDS WEST YORKSHIRE
 Post Code LS9 7TF

Forename Caroline
 Middle name St James site
 Family name Thomas
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN174

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name MID YORKSHIRE HOSPITALS NHS TRUST
 Address ROWAN HOUSE
 ABERFORD ROAD
 WAKEFIELD WEST YORKSHIRE
 Post Code WF1 4EE

Forename Alastair
 Middle name
 Family name Rose
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN175

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name AIREDALE NHS FOUNDATION TRUST
 Address AIREDALE GENERAL HOSPITAL
 SKIPTON ROAD
 STEETON KEIGHLEY WEST YORKSHIRE
 Post Code BD20 6TD

Forename Gary
 Middle name
 Family name Reah
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN176

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name BRADFORD TEACHING HOSPITALS NHS FOUNDATION TRUST
 Address BRADFORD ROYAL INFIRMARY
 DUCKWORTH LANE
 BRADFORD WEST YORKSHIRE
 Post Code BD9 6RJ

Forename Andrew
 Middle name
 Family name Brennan
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN177

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name YORK TEACHING HOSPITAL NHS FOUNDATION TRUST
 Address YORK HOSPITAL
 WIGGINTON ROAD
 YORK NORTH YORKSHIRE
 Post Code YO31 8HE

Forename Jonathon
 Middle name
 Family name Wilson
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN178

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name SCARBOROUGH AND NORTH EAST YORKSHIRE HEALTH CARE NHS TRUST
 Address SCARBOROUGH GENERAL HOSPITAL
 WOODLANDS DRIVE
 SCARBOROUGH NORTH YORKSHIRE
 Post Code YO12 6QL

Forename Linda
 Middle name
 Family name Bruzaite
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN179

- ☒ NHS site
☐ Non-NHS site

Country: England

Organisation name NORTHERN LINCOLNSHIRE AND GOOLE HOSPITALS NHS FOUNDATION TRUST
 Address DIANA PRINCESS OF WALES HOSPITAL
 SCARTH ROAD
 GRIMSBY NORTH EAST LINCOLNSHIRE
 Post Code DN33 2BA

Forename I
 Middle name
 Family name McNeil
 Email
 Qualification (MD...)
 Country UNITED KINGDOM

IN180		<input checked="" type="radio"/> NHS site	Forename	Balaji
		<input type="radio"/> Non-NHS site	Middle name	
Country: England			Family name	Packianathaswamy
			Email	
Organisation name	HULL AND EAST YORKSHIRE HOSPITALS NHS TRUST		Qualification (MD...)	
Address	HULL ROYAL INFIRMARY ANLABY ROAD HULL EAST YORKSHIRE		Country	UNITED KINGDOM
Post Code	HU3 2JZ			