A close up of a sign

Description automatically generated

**Project stakeholders**

Appendix B

FEBRUARY 2020

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**Professional Record Standards Body**

7 – 14 Great Dover Street,

London, SE1 4YR.

**www.theprsb.org**

Community Interest Company No 8540834

**Acknowledgements**

**NHS England**

NHS England oversees the budget, planning, delivery and day-to-day operation of the commissioning side of the NHS in England as set out in the Health and Social Care Act 2012. It holds the contracts for GPs and NHS dentists. The Secretary of State publishes, annually, a document known as the mandate which specifies the objectives which the board should seek to achieve. National Health Service (Mandate Requirements) Regulations are published each year to give legal force to the mandate.

**The Professional Record Standards Body (PRSB)**

The PRSB (www.theprsb.org) is the UK wide organisation that develops consensus-based care record standards in collaboration with professional and patient organisations, the healthcare IT community and relevant government departments (e.g. NHS Digital). The standards are intended for widespread use in digital health and social care records. PRSB was established in 2013 as a “not for profit” Community Interest Company.

**Document Management**

This is Appendix B of the final report.

**Revision History**

|  |  |  |
| --- | --- | --- |
| Version | Date | Summary of Changes |
| 0.1 | 10.02.2020 | First draft |
| 0.2 | 18.02.20 | Updated after final review |

Reviewers

This document must be reviewed by the following people:

|  |  |
| --- | --- |
| Reviewer name | Title / Responsibility |
| Assurance Committee | PRSB Assurance Committee |
| Dr Afzal Chaudhry | PRSB Vice Chair, CMIO Cambridge University Hospitals NHS FT |
| Dr Reecha Sofat | Clinical Lead, Associate Professor Institute of Health Informatics, University College London  Consultant Clinical Pharmacology, GIM and Stroke UCLH Foundation Trust |
| Lorraine Foley | PRSB CEO |
| Martin Orton | PRSB, Director of Delivery & Development |
| Helene Feger | PRSB, Director of Strategy, Communications and Engagement |
| Project Board | Project Board |

Approved by

This document must be approved by the following people:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Signature | Title | Date | Version |
| Project Board |  | Project Board |  |  |
| Assurance Committee |  | Assurance Committee |  |  |

Planned Review Date and Route for User Feedback

The next maintenance of this guidance is planned for [UNKNOWN DATE], subject to agreement with NHS England as the commissioning body.

Please direct any comments or enquiries related to the project report and implementation of the guidance to **support@theprsb.org.**

Glossary of Terms

|  |  |
| --- | --- |
| Term / Abbreviation | What it stands for |
| ABD | Advisory Board Discussion |
| ACMG | American College of Medical Genetics |
| ADASS | National Association of Directors of Adult Services Standards |
| Adverse Drug Reaction | An unintended, unwanted or harmful reaction (physiological or otherwise) to a drug or combination of drugs (known or suspected); that has occurred following situations including (but not limited to) routine clinical administration, use off-label, poisoning and medication errors. |
| AHP | Allied Health Professions Scotland |
| AHRQ | Agency for Healthcare Research and Quality |
| Allele | A variant of a gene that occurs at the same specific position (locus) on a chromosome but exists in alternative forms due to changes in DNA sequence. An individual most commonly has two alleles at each locus, one inherited from each parent. An individual with two identical alleles is homozygous for that gene (heterozygous if the alleles are different). |
| Alert | A type of notification that conveys a warning of important, time-sensitive, and/or safety information. |
| Alert fatigue | A desensitisation phenomenon that can emerge when electronic alerts are used in live clinical settings. This is thought to occur due to the sheer volume of daily electronic alerts and notifications seen by prescribers that are of limited clinical utility. An unintended consequence is that the end-user may ignore or override the alerts without consideration of the content, with significant safety implications. |
| API | Application Programming Interface |
| BAM | A binary format used for storing genomic sequence data and associated meta data |
| BHF | British Heart Foundation |
| BNF | British National Formulary |
| CDS | Clinical Decision Support |
| Clinical decision support systems (CDSS) | Computer programs that use rules and guidelines to filter, organise or otherwise process a patient’s raw clinical data into actionable evidence-based information and recommendations; delivered to the end-user at appropriate points in the clinical workflow, in order to aid decision making at the point-of-care. |
| CMIO | Chief Medical Information Officer |
| CPIC | Clinical Pharmacogenetics Implementation Consortium |
| CPRD | Clinical Practice Research Datalink |
| DDI | Drug-drug interaction |
| Drug-gene association (DGA) | A pharmacogenomic relationship where the presence of specific genetic variants affects the pharmacokinetics or pharmacodynamics of a drug or class of drugs. For certain genotypes a DGA may increase the risk of serious ADRs. |
| Dispensing and verification stage | The point in the lifecycle of a prescription where the authorised preparation and supply of medicines to a named individual (usually a patient) occurs, in line with the requirements of the prescription. The role is most often performed in a pharmacy. This stage involves the correct interpretation of the intentions of the prescriber and may involve verification of this as part of the pharmacist’s legal duty. |
| DPWG | Dutch Pharmacogenetics Working Group |
| Electronic health record (EHR) | A secure and longitudinally maintained digital version of a patient’s paper medical record that is intended (insofar as is possible) as a complete repository of the key clinical and administrative data required for a patient’s care; including (but not limited to) that relating to a patient’s problems, encounters, past medical history, diagnoses, investigations, treatments, medications and workflow tasks (handover). Furthermore, the EHR may include certain functionalities so that the end-user can directly order laboratory tests and prescription medications. |
| EMA | European Medicines Agency |
| FASTQ | A text file containing a specific type of genetic sequence data |
| FDA | U.S Food and Drug Administration |
| FGR | Focus Group Report |
| FG1 | Focus Group 1 |
| FG2 | Focus Group 2 |
| FHIR | Fast Healthcare Interoperability Resources |
| GACS | Genomic Archiving and Communication System |
| Gene | A DNA sequence (contiguous or not) that comprises the basic functional unit of inheritance. The expression of a gene influences an individual’s phenotype. Every person has two copies of each gene; one inherited from each parent. |
| Genetic variant | A difference in the DNA base sequence of an individual conferring a particular allele - at a specific nucleotide position, gene, or locus - that is less common than the most frequently encountered allele in the general population. The term does not automatically imply disease and different variants have characteristics that may be pathogenic, protective, predisposing, benign or otherwise. |
| Genome | The complete set of an individual’s DNA including all of their genes. |
| Genotype | Can refer to the overall combination of genes held by an individual in their genome or the two inherited alleles for a particular gene. |
| Genotyping | An umbrella term for techniques used to determine the genotype of an individual that utilise assays to compare the individual’s DNA sequence to a predetermined reference sequence. These methods require prior identification of the genetic variants that are looked for. |
| GIM | General Internal Medicine |
| GP | General Practitioner |
| Interoperability standard | A document established by consensus and approved by a recognised body that provides guidance and rules governing the ability of multiple systems to exchange and use information. |
| Hard stop | An active alert that either completely blocks the intended action of an end-user or prevents progression in the workflow without the intervention of a third-party. |
| ID | Identification |
| IT | Information Technology |
| JGPITC | Joint General Practice Information Technology Committee |
| LUMC | Leiden University Medical Center |
| NHS | National Health Service |
| NICE | The National Institute for Health and Care Excellence |
| Point of order entry | American terminology for the point a prescription is written in electronic prescribing systems |
| Notification | A one-way communication used to convey information to an end-user. The term does not automatically imply a level of urgency. |
| PACS | Picture Archiving and Communication System |
| PRCC | Patient Representative Consultation Call |
| Pharmacogenomics | The study of how the genome influences the body’s response to drugs. |
| Phenotype | The physically observable expressed characteristics of a gene or a combination of genes at the level of the organism. For example, eye colour, height, muscle density, biochemical properties, personality traits etc. Phenotype is determined by the interaction of the genotype expressed and the physical environment. |
| PID | Project Initiation Document |
| PREDICT | Pharmacogenomic Resource for Enhanced Decisions in Care & Treatment |
| Prescribing | The recorded authorisation (written or otherwise) for the use of a medicine or treatment by a health professional with prescribing authority. |
| Problem | Any condition experienced by a patient (such as a symptom or diagnosis) that the clinician feels is important enough to be recorded in the healthcare record. |
| Problem list | A current list of a patient’s problems or health issues, ideally with dates and stating which are active and inactive, which is intended to give clinicians a quick and accurate summary in future encounters. |
| PRSB | Professional Record Standards Body for health and social care |
| QA | Quality Assurance |
| RCGP | Royal College of General Practitioners |
| RCPCH | Royal College of Paediatrics and Child Health |
| RCPsych | Royal College of Psychiatrists |
| RCSE | Royal College of Surgeons of England |
| RCT | Randomised Controlled Trial |
| RPS | Royal Pharmaceutical Society |
| Sequence | The order of nucleotide base pairs in a specific length of DNA. |
| Sequencing | An umbrella term for the various techniques that can be used to determine the exact sequence of a particular length of DNA. |
| SJS/TEN | Steven-Johnson Syndrome / Toxic Epidermal Necrolysis |
| Soft stop | An active alert that allows progression in the workflow only when a reason for the override is provided. |
| *TPMT* | Thiopurine-S-Methyltransferase |
| UAE | United Arab Emirates |
| UCLH | University College London Hospital |
| VCF | Variant Call Format – a file for storing gene sequence variations |

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# **Introduction**

This document describes the stakeholders who were part of:

* the project board
* the core project team
* the focus groups
* the PRSB advisory board
* the discussions with out-of-country comparators
* the discussions with other UK health professionals
* the discussions with UK patient representatives

# **Project board membership**

|  |  |
| --- | --- |
| Project board member name | Title / Responsibility |
| Sue Hill | Chief Scientific Officer at NHS England; Project Sponsor |
| Afzal Chaudhry | PRSB Vice Chair, CMIO Cambridge University Hospitals NHS Foundation Trust, Renal Physician, Project SRO |
| Lorraine Foley | PRSB CEO, Project supplier |
| Reecha Sofat | Clinical Lead, Associate Professor Institute of Health Informatics, University College London; Consultant Clinical Pharmacology, GIM and Stroke UCLH Foundation Trust |
| Jane Gregson | NHS England, National Head of Genomics Informatics |
| Alexandra Pickard | NHS England, Policy and Strategy lead, Genomics Unit |
| Sonali Sanghvi | Genomics Unit at NHS England, Pharmacy Adviser |
| Helene Feger | PRSB, Director of Strategy, Communications and Engagement |

# **Core project team**

|  |  |
| --- | --- |
| Team member name | Project Role |
| Sarah Jackson (PRSB) | Project Lead |
| Dr Reecha Sofat (UCL) | Clinical Lead |
| Dr John-Paul Carter (UCL) | Project Research and Analysis |
| James Critchlow (UCL) | Project Research and Analysis |

# **Focus group sessions and participants**

* Phase 1 focus group meeting to start to explore the scope of the guidance – completed 19/09/2019
* Phase 2 wider focus group meeting to review the draft guidance – completed 21/11/2019
* Phase 3 specialist meeting to review the final report and guidance – completed 05/02/2020

Participants in focus group one (19/09/2019)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| Sarah Jackson | PRSB Project Manager |
| Dr Afzal Chaudhry | PRSB Vice Chair, CMIO Cambridge University Hospitals NHS Foundation Trust, Renal Physician |
| Jane Gregson | NHS England, National Head of Genomics Informatics |
| Dr Reecha Sofat | Clinical Lead, Associate Professor Institute of Health Informatics, University College London; Consultant Clinical Pharmacology, GIM and Stroke UCLH Foundation Trust |
| Stephen Goundrey-Smith | Royal Pharmaceutical Society, Consultant and Informatician |
| Sonali Sanghvi | Genomics Unit at NHS England, Pharmacy Adviser |
| Helene Feger | PRSB, Director of Strategy, Communications and Engagement |
| Alannah McGovern | PRSB, Membership Manager |
| Dr Ian Thompson | Clinical Informatics Specialist, eHealth Clinical Advisor (Primary Care) and GP in Scotland |
| Vashti Ragoonanan | Clinical Nurse Specialist (Haematology), London North West Healthcare NHS Trust |
| Prof Bill Newman | Clinical Head of Division in Genomic Medicine, Manchester University NHS Foundation Trust |
| Richard Pugmire | NHS Digital |
| Dr John-Paul Carter | Project Research and Analysis, Institute of Health Informatics, University College London |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |

Participants in focus group two (21/11/2019)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| Sarah Jackson | PRSB Project Manager |
| Dr Afzal Chaudhry | PRSB Vice Chair, CMIO Cambridge University Hospitals NHS Foundation Trust, Renal Physician |
| Dr Reecha Sofat | Clinical Lead, Associate Professor Institute of Health Informatics, University College London; Consultant Clinical Pharmacology, GIM and Stroke UCLH Foundation Trust |
| Stephen Goundrey-Smith | Royal Pharmaceutical Society, Consultant and Informatician |
| Sonali Sanghvi | Genomics Unit at NHS England, Pharmacy Adviser |
| Helene Feger | PRSB, Director of Strategy, Communications and Engagement |
| Alannah McGovern | PRSB, Membership Manager |
| Vashti Ragoonanan | Clinical Nurse Specialist (Haematology), London North West Healthcare NHS Trust |
| Paul Cameron | Physiotherapist, NHS Fife Pain Management Service |
| Emma Salt | Consultant Physiotherapist in Musculoskeletal Health, University Hospitals of Derby and Burton |
| Dr Imran Rafi | Joint RCGP Genomics Champion, GP in Surrey |
| Dr Judith Hayward | GPwSI in Genetics / Genomics; Joint RCGP Genomics Champion, GP in Bradford |
| Prof Sir Nilesh Samani | Professor of Cardiology (BHF Chair of Cardiology at the University of Leicester); Consultant Cardiologist, University Hospitals of Leicester NHS Trust |
| Dany Bell | Specialist Advisor Cancer Treatment and Recovery, Macmillan Cancer Support, UK |
| Prof Aroon Hingorani | Professor of Genetic Epidemiology (UCL); Consultant Clinical Pharmacology and GIM, UCLH Foundation Trust |
| Dr Anoop Shah | Clinical Research Fellow, Institute of Health Informatics (UCL); Consultant Clinical Pharmacology and GIM, UCLH Foundation Trust |
| Jessica Clarke | Biomedical Scientist, 100,000 Genomes Project |
| Dr Julian Costello | RCGP Health Informatics Group; Member JGPITC |
| Dr Tanya Pankhurst | Consultant Nephrologist and Deputy Director of Digital Healthcare, University Hospitals Birmingham NHS Foundation Trust |
| Dr Adam Dangoor | Consultant Medical Oncologist, University Hospitals Bristol NHS Foundation Trust |
| Dr Michael Bainbridge | Founding Fellow, UK Faculty of Clinical Informatics; Clinical Reference Lead at Australian Digital Health Agency |
| Jayne Spink | Chief Executive Officer, Genetic Alliance UK |
| Shubra Mace | Deputy Director for Pharmacy, South London and Maudsley NHS Foundation Trust |
| Dr James Reed | RCPsyc Member Representative |
| Dr Nicola Bryne | Deputy Medical Director, Chief Clinical Information Officer, Caldicott Guardian, Joint Medical Lead For Quality Improvement and Consultant Psychiatrist, South London and Maudsley NHS Foundation Trust |
| Alan Craig | Patient Representative |
| Kelvin Pitman | Patient Representative |
| Bob Ruane | Patient Representative |
| Laura Fulcher | Patient Representative |
| Dr John-Paul Carter | Project Research and Analysis, Institute of Health Informatics, University College London |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |

# **Participants – specialist review meeting (05/02/2020)**

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| Dr Afzal Chaudhry | PRSB Vice Chair, CMIO Cambridge University Hospitals NHS Foundation Trust, Renal Physician |
| Dr Helen Firth | Consultant Geneticist, Cambridge University Hospitals; Chair, Joint Committee Genomics in Medicine for the RCP London, RCPCH, RCPath and BSGM (British Society for Genetic Medicine); Author, Oxford Desk Reference: Clinical Genetics and Genomics |
| Stephen Goundrey-Smith (review conducted via email) | Pharmacy informatics adviser to the Royal Pharmaceutical Society |

# **PRSB advisory board participants (24/10/2019)**

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| Lorraine Foley | PRSB CEO, Project supplier |
| Sarah Jackson | PRSB Project Manager |
| Alannah McGovern | Membership Manager, PRSB |
| Helene Feger | Director of strategy, communications and engagement, PRSB |
| Dr Afzal Chaudhry | PRSB Vice Chair, CMIO Cambridge University Hospitals NHS Foundation Trust, Renal Physician |
| Dr Ian Thompson | Clinical Informatics Specialist, eHealth Clinical Advisor (Primary Care) for the Scottish government and GP in East Lothian, Scotland |
| Dr Reecha Sofat | Clinical Lead, Associate Professor Institute of Health Informatics, University College London; Consultant Clinical Pharmacology, GIM and Stroke UCLH Foundation Trust |
| Ross Scrivener | Digital Resources Manager and eHealth lead, Royal College of Nursing |
| Dr James Brown | Founding Fellow, UK Faculty of Clinical Informatics; RCSE Member Representative; Consultant Vascular Surgeon, Southend University Hospital NHS Foundation Trust |
| Laura Cameron | National AHP Advisor for National Services Scotland |
| Dr Lazlo Igali | PRBS Board Member; IT Advisor for the Royal College of Pathologists; Histopathologist at Norfolk and Norwich University Hospitals NHS Foundation Trust |
| Dr Michael Thick | Chief Clinical Officer for the National Programme for IT |
| Prof Iain Carpenter | Previous PRSB Chair and Emeritus Professor of Human Aging, University of Kent |
| David Watts | Co-lead of the ADASS Performance and Informatics Workstream |
| Marlene Winfield OBE | PRBS Board Member - Advisor on Patient and Carer Issues |
| Philip Scott | PRSB Assurance Committee Chair |
| Dr Cheryl Battersby | Deputy Chair at Informatics for Quality Committee at RCPCH; Consultant Neonatologist at Chelsea and Westminster Hospital NHS Foundation Trust. Royal College of Paediatrics and Child Health. |
| Martin Orton | Director of delivery and development, PRSB |
| Dr Michael Thick | CCIO & CMO, IMS MAXIMS. techUK |
| Andy Mitchell | Associate Director of Information Architecture, Search and Business Analysis, NICE. |
| Mike Andersson | Healthcare informatics and information governance consultant, British Computer Society |
| Ben McAlister | Chair, HL7 UK |
| Dr Jeremy Wyatt | Professor of Robotics and Artificial Intelligence at the University of Birmingham |
| Dr Nick Booth | Health Informatician and ex GP from Northumberland. Honorary Treasurer, Faculty of Clinical Informatics,  RCGP/FCI |
| Dr Julian Costello | Medical Informatician at NHS Wales Informatics Service (NWIS). Gwent GP OOH. Royal College of General Practitioners |
| Chloe Adams | Policy Officer for Professional Practice, British Dietetic Association |
| Dr Karen Selby | CCIO and Consultant, Obstetrics, Gynaecology and Neonatology, [Royal Hallamshire Hospital](https://www.nhs.uk/Services/Hospitals/Services/Service/DefaultView.aspx?id=357549). Royal College of Obstetricians and Gynaecologists |
| Dr Philip Scott | Senior lecturer in information systems, University of Portsmouth |
| Dr Gareth Thomas | CCIO and Consultant in Intensive Care Medicine and Anaesthesia, Salford Royal Foundation Trust |
| Hannah Farndon | Policy Advisor for Professional Practice at the British Psychological Society |
| Stephen Goundrey-Smith | Pharmacy informatics adviser to the Royal Pharmaceutical Society |
| Steven Casson | CCIO, Public Health England |
| Hermione Jackson | Digital Midwifery Advisor, Royal College of Midwives |
| Marlene Winfield | Advisor on patient and carer issues and board member, PRSB |
| Suzy England | Professional advisor in health informatics, Royal College of Occupational Therapists |
| Bernard Crump | Professor of Practice in Healthcare and Leadership, Warwick Business School |
| Leanne Summers | Digital Ecosystems Lead, NHSX |
| Shivani Shah | Head of Programmes, Patient’s Association |
| Emma Robertson | Patient leader |
| Graeme Allen | Business Analyst, North of England Commissioning Support Unit |
| Pauline Swan | Business Analyst, PRSB |

# **Participants in consultation calls**

Consultation Call 1 (USA)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Tim Herr | PhD Candidate, Health and Biomedical Informatics at Northwestern University, USA |

Consultation Call 2 (USA)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Dr Reecha Sofat | Clinical Lead, Associate Professor Institute of Health Informatics, University College London; Consultant Clinical Pharmacology, GIM and Stroke UCLH Foundation Trust |
| Dr Josh F. Peterson | Associate Professor of Biomedical Informatics and Medicine, Vanderbilt University, USA |
| Dr Allison B. McCoy | Assistant Professor of Biomedical Informatics, Vanderbilt University, USA |

Consultation Call 3 (USA)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Robert Dolin | Independent Consultant in Health Informatics, Elimu Informatics, Richmond California, USA |

Consultation Call 4 (USA)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Dr Shannon Manzi | Director of Clinical Pharmacogenomics Service, Division of Genetics and Genomics Manager, Boston Children’s Hospital; Assistant Professor of Pediatrics, Harvard Medical School |

Consultation Call 5 (USA)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Dr Reecha Sofat | Clinical Lead, Associate Professor Institute of Health Informatics, University College London; Consultant Clinical Pharmacology, GIM and Stroke UCLH Foundation Trust |
| Dr James M. Hoffman | Chief Patient Safety Officer, St. Jude Children’s Research Hospital, USA |
| Dr Cyrine-Eliana Haidar | Clinical Pharmacogenetics Coordinator, St. Jude Children’s Research Hospital, USA |

Consultation Call 6 (Holland)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Dr Jesse J. Swen | Associate Professor of Pharmacogenetics and Hospital Pharmacist, Leiden University Medical Center, NL |

Consultation Call 7 (USA)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Dr Emily (Beth) E. Devine | Professor of Pharmacy and Adjunct Professor of Bioinformatics and Medical Education, University of Washington, USA |

Consultation Call 8 (Italy)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Erika Cecchin | Senior Researcher, Centro di Riferimento Oncologico di Aviano (CRO), IRCCS: Aviano, Pordenone, Italy |

Consultation Call 9 (Canada)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Dr Ruslan Dorfman | Co-founder, GeneYouIn, producer of Pillcheck™, a genomics guided personalised medication management service, Canada |
| Veronica Litinski | CEO GeneYouIn, producer of Pillcheck™, a genomics guided personalised medication management service, Canada |
| Dr Boyko Kabakchiev | Chief technology Officer, GeneYouIn, Canada |

Consultation Call 10 (UK)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Phil Koczan | PRSB Board Member – Clinical Director for Health and Care; GP in Chingford |
| Dr John-Paul Carter | Project Research and Analysis, Institute of Health Informatics, University College London |
| Dr Reecha Sofat | Clinical Lead, Associate Professor Institute of Health Informatics, University College London; Consultant Clinical Pharmacology, GIM and Stroke UCLH Foundation Trust |
| Sarah Jackson | PRSB Project Manager |

Consultation Call 11 (UK)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Sarah Jackson | PRSB Project Manager |
| Bob Ruane | Patient Representative |

Consultation Call 12 (UK)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Sarah Jackson | PRSB Project Manager |
| Alan Craig | Patient Representative |

Consultation Call 13 (UK)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Sarah Jackson | PRSB Project Manager |
| Dr Reecha Sofat | Clinical Lead, Associate Professor Institute of Health Informatics, University College London; Consultant Clinical Pharmacology, GIM and Stroke UCLH Foundation Trust |
| Dr Nadeem Qureshi | GP and Clinical Professor, Faculty of Medicine & Health Sciences, University of Nottingham. |

Consultation Call 14 (UK)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Sarah Jackson | PRSB Project Manager |
| Dr John Parry | Clinical Director, CSO & DPO. TPP health technology company. |
| Helene Feger | PRSB, Director of Strategy, Communications and Engagement |

Consultation Call 15 (UK)

|  |  |
| --- | --- |
| Attendee name | Title / Responsibility |
| James Critchlow | Project Research and Analysis, Institute of Health Informatics, University College London |
| Sarah Jackson | PRSB Project Manager |
| Dr Reecha Sofat | Clinical Lead, Associate Professor Institute of Health Informatics, University College London; Consultant Clinical Pharmacology, GIM and Stroke UCLH Foundation Trust |
| Ann Slee | Associate CCIO (Medicines) NHSX |
| Dr Afzal Chaudry | PRSB Vice Chair, CMIO Cambridge University Hospitals NHS Foundation Trust, Renal Physician |