

RESEARCH DATABASE

Annual Report to Research Ethics Committee

Research databases with approval from a Research Ethics Committee are required to provide the REC with an annual report on their activities. This form sets out the minimum content of the report and a template format, which may be adapted appropriately.

1. Details of the Chief Investigator of the Research Database (“Data Controller”)

Name:	Julia Hippisley-Cox
Address:	Nuffield Department of Primary Health Care Sciences, University of Oxford
E-mail:	julia.hippisley-cox@phc.ox.ac.uk

2. Details of the Database

Title:	QRResearch@Oxford Data Linkage Project
Establishment responsible for management of the database:	University of Oxford
Data Custodian <i>This should be a senior individual, not part of the research database team, who is responsible for oversight of the database within the establishment.</i>	Phil Nieri, Information Governance Manager Department of Primary care Health Sciences, University of Oxford philip.nieri@phc.ox.ac.uk
Main REC:	East Midlands – Derby Research Ethics Committee
REC reference number:	18/EM/0400

3. Summary of activity for [period covered by report]

Please provide an overall summary of the database's activities during the year, including:

- *Data collection*
- *Use /release of data*
- *Collaborations with other databases /programmes*
- *Engagement with patients/service users and publicity*
- *Any significant developments in the database's scope, operation or governance.*

3.1 Data collection

More recent data from general practice, cancer registry, civil registry and hospital episode statistics have been collected during the year and uploaded into the QResearch linked database. Data from Intensive Care National Audit and Research Centre (ICNARC) and from Public Health England Second Generation Surveillance System (PHE SGSS) have been added into the QResearch linked database. Arrangements are being made currently to add transplantation data, cancer screening data and COVID-19 vaccination data

3.2 Use/release of data

Please see appendix for a list of the currently approved projects most of which are using combinations of the GP data linked to HES, cancer registry, mortality, ICNARC and COVID .

3.4 Database Scope, Operation and Governance.

There have been no major changes to the database scope, operation or governance. There are continual improvements to the QResearch Scientific and the QResearch Advisory Board

3.4.1 QResearch Scientific Committee.

- Following an open recruitment process, membership of this committee has been expanded to 13 members and is more diverse with both academics and lay representatives. More details on members are published on the relevant section of the QResearch website. <https://www.qresearch.org/about/scientific-committee/>.
- Minutes of the Scientific Committee are published [here](#).
- There is a new process for researchers applying for grants to request fast track approval of urgent projects including but not limited to COVID-19.

200.01.2 QResearch Advisory Board.

- The advisory board met in several times during 2020 and provided guidance and advice on a number of initiatives to support the COVID-19 pandemic including new data linkages. Further information, including minutes of meetings, is published here <https://www.qresearch.org/about/advisory-board/>

200.01 Engagement with patients and service users and publicity

- **Engagement with practices:** we now produce a regular newsletter which is disseminated via social media and our website and the Oxford University Website.
- **Engagement with patients:** There are three patient representatives on the QResearch Advisory Board who provide feedback on aspects relevant to patients including information provided to patients, lay summaries of ongoing projects, governance and potential benefits of QResearch. As a response to these patients, we have now included lay representatives on our science committee

- **QResearch website lay summary:** more information about new and ongoing projects continued to be published including a lay summary. This continues to be reviewed by our patient representatives on the advisory board.
<https://www.qresearch.org/research/approved-research-programs-and-projects/>
- **QResearch Data Showcase;** We have continued to update data section on the website which gives a high-level overview of the types of data collected and broad summaries for some major conditions (e.g. the total numbers of patients with cancer on the database). This is intended to provide more information to both services users and researchers interested in using the resource.
<https://www.qresearch.org/data/>


200.01 Use and release of data

- In accordance with our protocol, all data is held on Oxford servers. No data is physically released to researchers – rather researchers who have approved projects and have met the eligibility criteria (including appropriate IG training) are provided with remote access to the server where the relevant subset of data is located. A full list of all current projects (including ongoing projects approved under the previous REC application prior to the move to Oxford) is appended.

4. Applications for access to data

Please append a listing of applications made to the database for release of, or access to, data during the reporting period, together with a lay summary of the purpose of each approved project. Include any releases authorised following a further project-specific application to a REC, as well as those authorised under generic approval.

5. Declaration

Signature of database manager:	
Date of submission:	20.01.2021

Applications for release of data

Please also provide a lay summary (maximum 200 words) for each project for which release of data was approved. Include both projects conducted within the research database team and by external researchers. Where further project-specific approval was given by a REC, please include the REC Reference Number in the additional comments.

Projects approved in 2020

	Project title	name of chief investigator	lead institution	QR science outcome	link to lay summary where data released and summary of data set (200 words)
OX24	Use of HRT and cancer survival	Chris Cardwell	Queen's University Belfast	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/use-of-hormone-replacement-therapy-and-survival-from-cancer/
OX66	Hormone replacement therapy and dementia risk: nested case-control studies using CPRD and QResearch	Julia Hippisley-Cox	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/hormone-replacement-therapy-and-dementia-risk-nested-case-control-studies-using-qresearch-and-cprd/
OX54	Hepatitis B - natural history and burden of disease	Cori Campbell	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/characteristics-of-chronic-hepatitis-b-associated-with-cirrhosis-and-cancer/
OX29	Maternal depression and anxiety disorders and child mental health outcomes	Catia Nicodemo	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/maternal-depression-and-anxiety-disorders-and-child-mental-health-outcomes/
OX85	The effect of obesity on incidence and severity of COVID-19	Nerys Astbury	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/examining-the-effects-of-obesity-on-the-severity-of-covid-19-symptoms/
OX86	Associations between COVID-19 infection, tobacco smoking and nicotine use, common respiratory conditions and drugs used for their treatment, : a	Nicola Lindson	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/covid-19-smoking-and-respiratory-conditions-a-prospective-qresearch-case-mix-programme-study/

	prospective QResearch-Case Mix Programme data linkage study January-May 2020				
OX99	A second wave of crisis in the NHS after the COVID-19 pandemic	Catia Nicodemo	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/a-second-wave-of-crisis-in-the-nhs-after-the-covid-19-pandemic/
OX100	Development and validation of a tool for predicting risk of short-term adverse outcomes from COVID-19	Ashley Clift	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/development-and-evaluation-of-a-tool-for-predicting-risk-of-short-term-adverse-outcomes-due-to-covid-19-in-the-general-uk-population/
OX90	Economic costs associated with miscarriage: A secondary analysis of QResearch	Stavros Petrou	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/economic-costs-associated-with-miscarriage-a-secondary-analysis-of-qresearch/
OX102	Quantifying the association between ethnicity and COVID-19 outcomes: a population-based study using QResearch linked databases	Julia Hippisley-Cox	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/quantifying-the-association-between-covid-19-ethnicity-and-mortality-a-cohort-study-across-three-uk-national-databases/
OX7	Antipsychotic prescribing and monitoring of physical health in children and adolescents with mental health problems: a cohort study using primary care data	Yana Vinogradova	University of Nottingham	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/qresearch-icnarc-coronavirus-record-linkage-project/
OX123	The impact of the COVID-19 pandemic on the diagnosis of childhood, teenage and young adult cancers	Dr Defne Saatci	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/the-impact-of-the-covid-19-pandemic-on-the-diagnosis-of-childhood-teenage-and-young-adult-cancers/
OX115	Evaluating diabetes as a risk pathway towards early diagnosis and prognostication of pancreatic ductal adenocarcinoma (PDAC) using the UK QResearch database	Shivan Sivakumar, Rachael Bashford-Rogers	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/diabetes-as-a-risk-pathway-towards-early-diagnosis-and-prognostication-of-pancreatic-cancer/
OX39	DELTA - integrateD diagnostic solution for EarLy deTectioN of oesophageal cAncer	Rebecca Fitzgerald	University of Cambridge	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/ox39-project-delta-integrated-diagnostic-solution-for-early-detection-of-oesophageal-cancer/
OX129	Development and validation of statistical learning models to predict breast cancer diagnosis and breast	Ashley Clift	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/development-and-validation-of-statistical-learning-models-to-predict-breast-cancer-diagnosis-and-breast-cancer-mortality-in-the-general-population-a-cohort-study/

	cancer mortality in the general population: a cohort study				
OX22	Dietary or weight loss advice for hypertension in diabetes in primary care	Carmen Piernas	University of Oxford	Approved	https://www.qresearch.org/research/approved-research-programs-and-projects/dietary-or-weight-loss-advice-for-hypertension-in-diabetes-in-primary-care/

Ongoing projects reports in 2019 annual report.

	Project title	name of chief investigator	lead institution	QR science outcome	link to lay summary where data released (200 words)
Q110	QFracture - risk of osteoporotic fracture	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/qfracture-risk-of-osteoporotic-fracture/
Q115	QDiabetes Risk Assessment Tool	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/qdiabetes-risk-assessment-tool/
Q112	QKidney - predicting the risk of chronic kidney disease	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/qkidney-predicting-the-risk-of-chronic-kidney-disease/
Q108	QStroke - risk of ischaemic stroke	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/qstroke-risk-of-iscahemic-stroke/
Q88	QThrombosis - risk of thrombosis	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/qthrombosis-risk-of-thrombosis/
Q110	QAdmissions, QFrailty and QMortality	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/qadmissions-qfrailty-and-qmortality/
Q54	QStatin - risk of unintended effects from statin medication	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/qstatin-risk-of-unintended-effects-from-statin-medication/
Q102	QCancer Risk Assessment Tools	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/qcancer-risk-assessment-tools/
Q92	QDiabetes - risk of diabetes related complications	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/qdiabetes-risk-of-diabetes-related-complications/

Q136	Predicting survival outcomes for patients with a new diagnosis of cancer	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/predicting-survival-outcomes-for-patients-with-a-new-diagnosis-of-cancer/
Q71	Validation of QPrediction scores in QResearch and CPRD	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/validation-of-qprediction-scores-in-qresearch-and-cprd/
Q104	QRISK3 - a new cardiovascular risk score	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/grisk3-a-new-cardiovascular-risk-score/
Q81	QBleed - risk of bleeding	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/qbleed-risk-of-bleeding/
R109	Prostate specific antigen (PSA) testing in the UK population and its implications	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/prostate-specific-antigen-psa-testing-in-the-uk-population-and-its-implications/
R67	Diabetes treatments and risk of cancer: a series of nested case-control studies	Carol Coupland	University of Nottingham	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/diabetes-treatments-and-risk-of-cancer-a-series-of-nested-case-control-studies/
R68	Risk of thrombosis in women prescribed Hormone Replacement Therapy	Julia Hippisley-Cox	University of Nottingham	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/risk-of-thrombosis-in-women-prescribed-hormone-replacement-therapy/
R78	Anticholinergic drugs and the risk of dementia: a nested case control study	Carol Coupland	University of Nottingham	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/anticholinergic-drugs-and-the-risk-of-dementia-a-nested-case-control-study/
Q96	Unintended effects of novel oral anticoagulants (NOAC) vs warfarin in real world settings vs warfarin	Julia Hippisley-Cox	University of Nottingham	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/unintended-effects-of-novel-oral-anticoagulants-noac-vs-warfarin-in-real-world-settings-vs-warfarin/
OX1	Improving Early Recognition of Motor Neurone Disease	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/improving-early-recognition-of-motor-neurone-disease/

OX2	ADEPTS: Accelerated Diagnosis in neuroEndocrine and Pancreatic Tumours.	Steve Pereira	University College London	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/adepts-accelerated-diagnosis-in-neuroendocrine-and-pancreatic-tumours/
OX3	Choosing the right antidepressant for depressive disorder	Andrea Cipriani	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/choosing-the-right-antidepressant-for-depressive-disorder/
OX6	Evaluation of the NHS Health Checks in England 2013-2017	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/evaluation-of-the-nhs-health-checks-in-england-2013-2017/
OX11	Hormone replacement therapy and risk of breast cancer	Julia Hippisley-Cox	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/hormone-replacement-therapy-and-risk-of-breast-cancer/
OX20	Antidepressant Decision Aid Tools and Risk Assessment	Carol Coupland	University of Nottingham	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/antidepressant-decision-aid-tools-and-risk-assessment/
OX22	Dietary or weight loss advice for hypertension in diabetes in primary care	Carmen Piernas	University of Oxford	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/dietary-or-weight-loss-advice-for-hypertension-in-diabetes-in-primary-care/
OX28	Validating a postpartum venous thromboembolism risk prediction model	Joe West	University of Nottingham	approved	https://www.qresearch.org/research/approved-research-programs-and-projects/validating-a-postpartum-venous-thromboembolism-risk-prediction-model-using-qresearch/