4th International Conference on Administrative Data Research
9 - 11 December 2019

The Royal Welsh College of Music & Drama,
Castle Grounds, Cathays Park,
Cardiff, CF10 3ER

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Public Data For Public Good
Welcome to the 4th International Conference on Administrative Data Research

We are delighted to welcome you to the 4th International Administrative Data Research Conference 2019 in Cardiff, Wales.

Administrative Data Research Wales is honoured to be hosting this year’s conference, building on past conferences held over recent years. Although a small nation, Wales has been at the forefront of efforts to make health and administrative data safely available for research for well over a decade. Traditionally, health data has received more attention, but recently, a greater breadth of administrative datasets are becoming available, opening up wonderful new opportunities for research for public benefit. This is part of the new and developing field of population data science, defined briefly as "the science of data about people".

The increasing availability of government data for research is an important trend enabling population data science to penetrate deeper than ever before into social and economic issues. The use of administrative data and the ability to link records at an individual level to produce empirically based insights whilst protecting privacy, serves to effect positive change through evidence based policy making. However, the use of these vast data resources is still in its infancy with considerable challenges to overcome. This year, the 4th International ADR Conference aims to address such challenges towards lessening the gap between theory and practice.

The main theme of the conference is ‘Public Data and Public Good’ in recognition that the data are about the public and should be made best use of to generate good for the public. Working with an international Scientific Committee drawn from population data science initiatives across the globe, we have developed an innovative and exciting programme to present work spanning a range of activities to take administrative data research forward. The programme includes: applied research; case studies and concepts; ethical, legal and social issues, evidence to inform policy and practice; and methodological advances.

We are particularly pleased to have secured a wonderful set of keynote speakers to present thought-provoking talks in their areas of expertise.

We have worked closely with the Economic and Social Research Council and the Welsh Government and we extend our grateful thanks for their contribution to the conference. Organising a conference takes considerable time and effort(!) and we express our grateful thanks to the members of the international Scientific Committee for giving up their time and providing their expertise. We also thank everyone who took on the role of abstract reviewers. Particular thanks are due to the Organising Committee at Swansea University led by Stephanie Lee, without whose efforts and skills, the conference could not take place.

Finally, and very importantly, we thank you for attending and taking part in the conference. We hope you’ll take the opportunity to meet existing colleagues from other locations, to make new contacts and to build new collaborations to expand the worldwide population data science community.

We hope you enjoy the conference and that you take away good memories!

Professor David Ford
Professor of Informatics
Chair of ADR 2019 Conference

Professor Kerina Jones
Professor of Population Data Science
Chair of ADR 2019 Conference Scientific Committee

Acknowledgements

We would like to extend a heartfelt thanks to ADR 2019’s generous official sponsors, ADR UK, the Economic and Social Research Council (ESRC), part of UK Research and Innovation (UKRI) and the Welsh Government.

Your investment and support for this important international conference will enable the acceleration of vital research using administrative data, to improve and benefit societies worldwide.

Thank you!
International Scientific Committee

We would like to thank our esteemed Scientific Committee members for their hard work and dedication to producing an outstanding conference. Thank you all!

Professor Dennis Culhane
Professor of Social Policy
University of Pennsylvania, Philadelphia, USA

Professor Chris Dibben
Chair in Geography
University of Edinburgh, Scotland, UK

Dr. Merran Smith
Population Health Research Network
University of Western Australia, Perth, Australia

Professor Mark Elliot
Chair in Data Science
University of Manchester, England, UK

Dr. Peter Mackie
Reader
Cardiff University, Wales, UK

Professor Kim McGrail
Professor
University of British Columbia, Vancouver, Canada

Dr. Dermot O’Reilly
Clinical Professor
Queens University, Belfast, Northern Ireland

Professor Peter Smith
Professor of Social Statistics
University of Southampton, England, UK

Mr. Peter Stokes
Head of Microdata Access and Exploitation
Office for National Statistics, Wales, UK

Organising Committee

The Organising Committee members are based within Population Data Science at Swansea University Medical School, Wales, UK.

Stephanie Lee
FCIM Chartered Marketer
Head of Marketing, Communication & Engagement Services

Sharon Hindley
International Journal of Population Data Science
Marketing Manager

Michael Bale
Graphic, Web Design & Development

Nicholas Corlett
Administrative Support & Abstracts Publishing

Christopher Roberts
Communication & Engagement

Sarah Toomey
Communication & Events Management

Workshop Coordinators & Facilitators

The conference committee for the 4th International Conference on Administrative Data Research thanks the workshops coordinators and facilitators for the time and effort they have put into creating and facilitating the workshop programme.

MAKING DATA RESEARCH READY

By Administrative Data Research UK
Monday 9th December 2019

Emma Gordon
Administrative Data Research UK

Paul Jackson
Administrative Data Research UK

Ed Morrow
Administrative Data Research UK

Rosie French
Administrative Data Research UK

Bill South
Office of National Statistics

Rose Elliott
Office of National Statistics

IMPACT WORKSHOP

By Administrative Data Research UK
Tuesday 10th December 2019

Dr Frances Burns
Administrative Data Research Northern Ireland (ADR NI), UK

Elizabeth Nelson
Administrative Data Research Northern Ireland (ADR NI), UK

Harriet Barker
Administrative Data Research Scotland (ADR Scotland), UK

Cathrine Richards
Administrative Data Research Wales (ADR Wales) and SAIL Databank, UK
The conference programme will include a range of presentations across the following topic areas to share new knowledge, generate discussion and promote collaboration opportunities:

- **Applied research**: work that has contributed new knowledge, using data linkage or population data sciences approaches. Research that is either complete or will have significant findings by the conference date.

- **Case studies and concepts**: research study protocols; local/case-specific technical developments; proof of concept studies; concept dictionaries; data resource descriptions; capacity building.

- **Ethical, Legal and Social Implications**: regulatory and governance challenges and solutions; confidentiality; data security; public and other stakeholder engagement; ethical issues; social acceptability.

- **Evidence to support policy making**: work generating evidence to inform policy making; engaging with policy makers; demonstrating and measuring impact.

- **Methodological and analytical advances**: dealing with large scale, complex and messy data; data linkage and quality; emerging data types; data visualisation; data interoperability.
**Keynote Speakers**

**Professor Paul Boyle**  
Vice-Chancellor, Swansea University

Professor Paul Boyle has recently been appointed as Vice-Chancellor Elect at Swansea University. Prior to this he was President and Vice-Chancellor of the University of Leicester. Previously, Paul was Chief Executive of the Economic and Social Research Council (ESRC), the UK’s largest funding agency for social science research; the International Champion of Research Councils UK, with responsibility for international strategy on behalf of all seven UK research councils; and President of Science Europe, representing over 50 European funding agencies. Paul is a Fellow of the British Academy, The Royal Society of Edinburgh, the Academy of Social Sciences, and the Royal Geographical Society of Scotland. He is Chair of the Scottish Science Advisory Council, which is Scotland’s highest level science advisory body; a Board Member of Universities UK, who provide leadership and support to executive heads of 133 UK University institutions as well as Chair of their Research Policy Network; Vice-President of the European University Association which represents over 800 universities in 48 countries; and a Council Member and Trustee of the Association of Commonwealth Universities, which has over 500 member institutions in 37 Commonwealth countries.

Paul is an ‘impact champion’ for the United Nations HeForShe global solidarity movement for gender equality and on the Advisory Board of Sporting Equals, promoting ethnic diversity in sport and physical activity.

**WELCOME SPEECH**  
Monday 9th December 2019 | 18:00

**Garry Coleman**  
Associate Director, Data Access – NHS Digital

Garry Coleman is a nationally recognised expert in Data Access, with over 25 years’ experience in NHS IT and Information Services. Garry is currently responsible for the delivery of data access, data quality and clinical trials services for NHS Digital.

He’s spent the past five years evangelising a sector-wide shift which is centred on providing access to quality data that keeps the health and care system running by fuelling research and driving improvement in treatment and public health, ensuring that the law is followed and NHS Digital acts ethically with citizen’s data rights respected. This approach has helped to rebuild trust in data sharing practice.

Throughout his career Garry has built a reputation for delivering services to help derive the benefits that can be gained from data, and working closely with researchers, NHS and Social Care organisations and commercial bodies to help achieve those benefits for all - whilst ensuring that data is kept and used appropriately and securely.

Embracing the core values of integrity, innovation and data-use transparency, Garry led the first release of the (at that time) largest health open data dataset in the UK - positioning the organisation as an exemplar of Government policy. He moved on to lead NHS Digital’s Data Access Request Service (DARS) as it became established, and now drives innovative NHS Digital services to develop, manage, disseminate and exploit linked national data assets.

Garry holds an MBA with Distinction (Health), a BSc in Mathematics and a Post-Graduate Diploma in Research Methods from Durham University. He is an honorary senior lecturer at the University of Leeds. Garry is a valued speaker on data access, regularly speaking at events in the UK and Internationally.

**PLENARY KEYNOTE**  
Enabling research; Maintaining trust  
Monday 9th December 2019 | 12:50 - 13:20

NHS Digital is the information and technology partner to the NHS and Social Care system, with responsibilities that include standardising, collecting, publishing and enabling access to data and information from across the health and social care system in England. Information sharing has enabled the development of evidence-based medicine that underpins the care patients now receive in health and care systems around the world.

The effective planning and delivery of health and care are increasingly reliant on data and technology, with the demands being even greater as health systems provide personalised and precision medicine. The range of data sources is increasing along with our technical ability to make sense of them.

Organisations across the health and social care system are increasingly data-driven and are adopting new strategies, operating models, and ways of working to harness the value of data. The Internet of Things (IoT), advanced analytics and cloud hosting of data are becoming the norm. Benchmarking tools are becoming available to patients, clinicians and organisations. Machine learning and artificial intelligence are more widely used. Patients and the public are increasingly digitising. The huge growth in the use of smart phones and personalised services offered by other industries means that expectations and data channels have changed. At the same time, the public are acutely aware of the risks around the privacy and security of their data. Patients trust the NHS. Protecting their rights, being transparent and keeping the data about their care cyber-secure, is our top priority. Researchers are seeking to make even greater use of such richer, curated, linked datasets across multiple sectors; new opportunities for original research are opening up through such datasets.

NHS Digital has a unique set of opportunities to support this research, not least rooted in our statutory position and powers, and our place at the centre of the health and care system. Perhaps most importantly, we are privileged, as part of the NHS, to enjoy the conditional trust of the public. This session will cover how NHS Digital is meeting these data access challenges, developing robust and accessible services that ultimately benefit the health and social care system by working in partnership with research organisations, central government bodies, commissioners, local authorities, providers, clinicians, patients and more.

**Rebecca Evans**  
Minister for Finance and Trefnydd, Welsh Government

Rebecca Evans was first elected to the National Assembly for Wales in May 2011 to represent the Mid and West Wales region. In 2016 she became Assembly Member for Gower.

Rebecca received a degree in History from the University of Leeds, and a Master of Philosophy degree in Historical Studies from Sidney Sussex College, University of Cambridge. Before being elected, Rebecca worked in the third sector.

Rebecca has served on the National Assembly for Wales’ Environment and Sustainable Development Committee and its Common Agricultural Policy Task and Finish Group. She has also served on the Health and Social Care Committee, and the Children, Young People and Education Committee.

In June 2014, Rebecca was appointed Deputy Minister for Farming and Food, and in May 2016 she became Minister for Social Services and Public Health. In November 2017, she was appointed Minister for Housing and Regeneration, and in December 2018 she joined the Cabinet as Minister for Finance and Trefnydd.

**CONFERENCE OPENING KEYNOTE**  
Tuesday 10th December 2019 | 09:45 - 10:00

**Leon Feinstein**  
Director of Evidence, Office of the Children’s Commissioner

Leon Feinstein is Director of Evidence at the Office of the Children’s Commissioner where he leads work on measurement, surveys and analysis in relation to the experiences and outcomes of children. From 2013 to 2016 Leon was Director of Evidence at the Early Intervention Foundation, an independent charity and “What Works” centre, working to evaluate the impact of early intervention.

From 2008 to 2013 Leon was a civil servant, working in the Treasury and the Cabinet Office on policy implementation and performance policy. Before joining the civil service Leon was Professor of Education and Social Policy at the Institute of Education. Leon’s academic research concerned the intergenerational transmission of advantage and disadvantage in terms of social structure, education and income. Leon is currently Visiting Professor of Practice at the LSE’s Centre for the Analysis of Social Exclusion.
PLENARY KEYNOTE
Vulnerability amongst children in England
Monday 9th December 2019 | 13:50 - 14:20

Leon Feinstein will present the latest findings and analysis from the Children's Commissioner for England of levels of vulnerability, need and risk amongst children in England. To inform this work we have developed an extensive set of indicators (71) of vulnerability, and reviewed all available data on trends, characteristics and outcomes of children in each of the 71 groups. The resulting findings are important not only in what they say about levels of need but also in identifying very substantial gaps in knowledge that limits the capacity of policy and services to accurately define and address need. A substantial programme of work on data linking and other means is underway to address these gaps.

Professor Kerina Jones
Professor of Population Data Science, Swansea University

Academic lead for Information Governance across the various Swansea University-based data intensive/ linkage initiatives to ensure data protection and maximise data utility. Leading the active Innovative Governance working group of the Farr Institute: working collaboratively to advise and influence the developing data governance landscape to promote the safe reuse of data. Leading a research programme in IG, including work to inform cross-centre research and how emerging data types, such as genetic data, can be used in conjunction with structured micro-data. Strong interest in the development of innovative disease registers that incorporate patient reported data for combination with health data, notably, the UK MS Register. Regular advisor and invited speaker on data governance. Academic lead for Public Involvement and Engagement. Established a Consumer Panel for data linkage research. Leading public debates and engagement events on the use of anonymised data for research.

INTRODUCTION KEYNOTE
Monday 9th December 2019 | 12:40 - 12:50

John Pullinger
Former Head of Government Statistical Service and Chief Executive, UK Statistics Authority

John Pullinger has been the National Statistician, Head of the Government Statistical Service (GSS) and Chief Executive of the UK Statistics Authority since 1 July 2014. He has also been President of the Royal Statistical Society and Chair of the United Nations Statistical Commission (UNSC).

John’s career began in 1980 when he joined the civil service after graduating in geography and statistics from Exeter University. After several roles in different departments, John joined the Central Statistical Office as a senior civil servant in 1992. He was the project manager for the creation of the Office for National Statistics and was the policy lead on the development of the GSS. He has worked on diverse projects and topics, including responsibility for flagship publications like ‘Social Trends’, leading the neighbourhood statistics programme as well as being actively involved in the creation of the Statistics Commission and National Statistics in 2000.

In 2004, John became the 14th librarian to the House of Commons and was appointed as a Companion of the Order of the Bath for work as a librarian and support for the House. He was appointed a Companion of the Order of the Bath for services to Parliament and the Community in 2014.

PLENARY KEYNOTE
Lots of lovely numbers but why does everyone make it so difficult?
Tuesday 10th December 2019 | 10:00 - 10:30

There are many opportunities for mobilising the power of administrative data to generate new insights to help governments, business, communities and individuals make better decisions. To make the most of these opportunities requires a careful understanding of the nature of administrative data.

By definition, administrative data used for research is about taking data collected for one purpose and using it for another. This presentation will explore the social licence needed to use administrative data for research, how to assess and assure the quality of data and communication of findings.

To create value from administrative data the researcher needs to care as much about respecting the data as about using it. A social licence is needed from the people or businesses included in the data. Does what is being proposed respect legal, ethical, confidentiality and security considerations? Equally a social licence is also needed from the custodian of the data. Are they convinced that these issues have been addressed and that the request being made to provide access is practical?

All aspects of survey data collection can be controlled by a research specialist and well known techniques adopted to evaluate precision and bias. Lurking beneath neat and tidy rows and columns of numbers can be errors and biases of many kinds that will invalidate analysis if not understood and taken into consideration.

Once the social licence (and the data) is obtained and the pitfalls of analysis are successfully navigated the most important test remains. How to get the findings used and not misused? How to communicate imprecision and lack of certainty without losing your audience? In short how to avoid both overclaiming and underclaiming on the new research evidence that has been generated?

Drawing on work done by the UK Statistics Authority and others, case studies will be used to bring out practical steps for researchers to ensure that the potential of administrative data is realised.

Betsy Stanko
Chair, Ministry of Justice’s Data, Evidence and Science Board

Professor Betsy Stanko OBE retired (April 2016) as Head, Evidence and Insight, Mayor’s Office for Policing and Crime in London. She is currently Chair of the Ministry of Justice’s Data, Evidence, and Science Board, Strategic Advisor to a Home Office Police Transformation Fund project focused to uplift learning and development in policing across England and Wales and Academic Advisor to the Vulnerability and Serious Crime Programme at the College of Policing. Professor Stanko has been awarded a number of academic lifetime achievement awards, including the prestigious American Society of Criminology's Vollmer Award (1996), recognising her outstanding influence on criminal justice practice.

PLENARY KEYNOTE
The long and winding road: lessons from an inside job on the front line
Tuesday 10th December 2019 | 10:30 - 11:00

Throughout my career as a university professor of criminology turned civil servant 'insight guru', I sought to blend social science research methods with routine, crime and operational performance data in policing. As Director of the ESRC Violence Research Programme (1997-2002) I was continually asked why violence was so invisible. That was not the experience of the researchers on the programme, nor did I ever find it difficult in my early studies of violence against women to uncover what is now referred to as #METOO strewn across administrative records. What was difficult (then as now) is seeking the data sharing agreements to explore government held, administrative records.

When I arrived at the London Metropolitan Police to work alongside the Racial and Violent Crimes Task Force in 1999, the technical capability of transforming crime data into data on and about hate crime and domestic violence was limited. Twenty years have passed, and the digital transformation of administrative information on crime is very wide indeed. Sadly, the imagery about crime, and who is responsible for it, is largely driven not by knowledge but by outdated imagination. That said, this talk is about possibility, learning and enthusiasm for transforming routine crime data into insight and evidence about harm that benefits better government policy, police responses, and ultimately contributes to reducing the harm of criminality on all of us.

Engaging with policy makers and practitioners is not difficult. Using a strategic, data driven approach in this engagement is, especially when the data is (your own) administrative data. For two decades, I have worked inside the police service to explore the use of crime data to describe crime problems (e.g. domestic violence, rape and sexual assault and homophobic violence); to drive a strategic understanding of police decision making and outcomes of justice; and to enable a large, complex police force to improve continuously because they value what citizens and their own staff say about how the organisation works.

The lessons will be brigaded into three areas, using examples from the hundreds of small and large analytic projects (I only have 20 minutes!):

1. Using crime data as data (on crime, on victims, on offenders; on crime hotspots);
2. Insight vs evidence: influencing policy and practice;
3. The journey so far and where we need to go next.
Stefaan Verhulst
Co-founder and Chief Research and Development Officer, GovLab

Stefaan G. Verhulst is Co-Founder and Chief Research and Development Officer of the Governance Laboratory @NYU (GovLab) where he is responsible for building a research foundation on how to transform governance using advances in science and technology.

He is the Curator and Editor of the Living Library and The Digest.

Verhulst’s latest scholarship centres on how technology can improve people’s lives and the creation of more effective and collaborative forms of governance. Specifically, he is interested in the perils and promise of collaborative technologies and how to harness the unprecedented volume of information to advance the public good.

PLENARY KEYNOTE
Data Collaboratives: The emergence of public-private partnerships around Data for public good.
Wednesday 11th December 2019 | 12:00 - 12:30

In the past few years our work at The GovLab has sought to understand pathways to make policymaking and problem solving more evidence-based and data-driven. One line of our activities starts from the recognition of the potential of use of privately processed data through Data Collaboratives — a new form of public-private partnership in which government, private industry, and civil society work together to release previously siloed data, making it available to address societal challenges. Our research suggests that Data Collaboratives offer great potential to complement public data sources - when implemented strategically under the appropriate policy and ethical frameworks. Nonetheless, this remains a nascent field, and several barriers limit the systemic use of Data Collaboratives. In this presentation I will take stock of current practice, examine the variety of operational models and lessons learned with an eye toward developing approaches to make Data Collaboratives more effective, scalable, sustainable, and, above all, responsible.

Matthew Whittaker
Deputy Director, Resolution Foundation

Matthew Whittaker is Deputy Director at the Resolution Foundation, one of the UK’s leading economic think tanks. He joined the then fledgling Foundation in 2008 and took a lead role in developing its research focus on the living standards of low to middle income households, helping to establish the organisation’s reputation for combining rigorous analysis with a clear social purpose. He manages the Foundation’s research output, covering a broad range of topics including the labour market, the tax and benefit system, housing, consumer debt, public finances and macroeconomic policy. He was also chair of the technical panel that supported the two-year Intergenerational Commission that concluded in 2018.

He has published more than 50 reports for the Foundation and co-authored the UK chapter of Inequality and Inclusive Growth in Rich Countries, a major cross-country study of trends in inequality and growth published by OUP. He is an experienced broadcast and print media commentator, and has written for The Guardian, the Times, the Financial Times and the New Statesman among others. He serves on many working groups across Whitehall and beyond, and is a member of the National Statistician’s Advisory Panel for Consumer Price Statistics.

PLENARY KEYNOTE
Untargeted support? The importance of using admin data to assess the effectiveness of UK welfare policy

Child poverty rates fell sharply over the course of the late-1990s and early-2000s, thanks in part to the introduction of tax credits that supported parents – especially single mothers – into work. But, despite this improvement, the government still missed its targets (for the number of children in relative poverty to be cut by a quarter by 2004 and by half by 2010 relative to 1998-99). Or so we thought…

We know now that the Family Resources Survey data that is used to measure poverty rates under-reports household benefit receipt – by around £40 billion a year – relative to the totals we find in admin data. This talk explores the impact of adding this benefit data back into the analysis – lowering poverty levels overall, but also affecting the trends over time. Reassessing the effectiveness of tax credits in tackling child poverty under this new approach leads us to conclude that the policy was more successful than previously thought – with the stripping back of support over the austerity decade likewise doing more damage than official data would suggest.

And data limitations continue to undermine effective welfare policy making. With an eye to the future, the talk also reports on unprecedented admin data-based work that sheds new light on the realities of month-to-month fluctuations in employment income – with some important implications for the continued roll-out of Universal Credit.
The Gala Dinner will be hosted in the spectacular Cardiff Castle. Located within beautiful parklands at the heart of the capital, Cardiff Castle’s walls and fairy tale towers conceal 2,000 years of history.

**Roman Fort**  
Probably established at the end of the 50s AD, on a strategic site that afforded easy access to the sea. Remains of the Roman wall can be seen today.

**Norman Keep**  
Built after the Norman Conquest and re-using the site of the Roman fort.

**Bute Family**  
In 1766 the castle passed by marriage to the Bute family. The 2nd Marquess of Bute was responsible for turning Cardiff into the world’s greatest coal exporting port. The Castle and Bute fortune passed to his son John, the 3rd Marquess of Bute, who by the 1860s was reputed to be the richest man in the world.

**William Burges**  
From 1866 the 3rd Marquess employed the genius architect William Burges to transform the Castle lodgings. Within gothic towers he created lavish and opulent interiors, rich with murals, stained glass, marble, gilding and elaborate wood carvings. Each room has its own special theme, including Mediterranean gardens and Italian and Arabian decoration.

**A gift to the city of Cardiff**  
Following the death of the 4th Marquess of Bute, the family decided to give the Castle and much of its parkland to the city of Cardiff.

The Gala dinner includes admission to Cardiff Castle, complimentary mead tasting on arrival, 3-course dinner prepared with Welsh produce, half a bottle of wine or soft drinks with dinner, and a full evening of Welsh entertainment.

**Date:**  
Tuesday 10th December 2019

**Time:**  
19:00 – 20:30pm

**Location:**  
Cardiff Castle, Castle Street, CF10 3RB (8 minutes’ walk from the conference venue)

**Entry:**  
Pre-paid ticket holders only

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**MAKING DATA RESEARCH READY**

*By Administrative Data Research UK*

Monday 9th December 2019, 09:00 – 12:00pm  
Room 2.05 (2nd Floor)

In the first year of operation, a big focus for ADR UK has been the development new, policy-relevant research-ready datasets that will be accessible to accredited researchers. This includes everything from having the infrastructure in place to host and access government administrative datasets, to working with departments to agree what data will be made available and building trust and engagement along the way. This workshop will be an opportunity to hear about our early successes, and for us to hear from participants about other administrative datasets that are currently under-utilised, which could potentially be hosted within the ADR UK infrastructure. In that way, participants can share in delivering the vision for ADR UK, moving forwards.

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**WHICH WAY IS UP? THE DIFFERENT PATHWAYS TO IMPACT IN DEVOLVED UK REGIONS**

*By Administrative Data Research UK*

Tuesday 10th December 2019, 11:45 - 13:00  
Studio Two (1st Floor)

This one hour session explores the different models and methods the Administrative Data Research centres in Scotland, Wales and Northern Ireland employ to secure the most effective and long-lasting pathways to impact for their research.

From government-academic partnerships to public panels and co-production models with the voluntary sector, there is no one way to develop and deliver impactful research. Engagement and impact specialists from the ADR Scotland, ADR Wales and ADR Northern Ireland will present case studies from their work to illustrate the different models employed to deliver research impact at the highest levels, and the challenges and emerging best practice.

This session will be suitable for researchers and engagement and impact professionals wanting to learn both about the models employed across the UK, to take learning from other regions to adapt and apply to their work, and to anyone interested in learning what is cutting-edge in administrative data research engagement and impact practice.
## MONDAY 9th DECEMBER

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<td>REGISTRATION</td>
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<td>PRE-CONFERENCE WORKSHOP</td>
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<td>PLENARY SESSION 2</td>
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## TUESDAY 10th DECEMBER

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<td>19:00</td>
<td>CONFERENCE DINNER</td>
<td>Cardiff Castle</td>
</tr>
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</table>

## WEDNESDAY 11th DECEMBER

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>08:30</td>
<td>REGISTRATION</td>
<td>Foyer</td>
</tr>
<tr>
<td>09:45</td>
<td>PARALLEL SESSION 7</td>
<td>Linbury Gallery (Ground Floor)</td>
</tr>
<tr>
<td>11:15</td>
<td>PARALLEL SESSION 8</td>
<td>Dora Stoutzker Hall (Ground &amp; 1st Floors)</td>
</tr>
<tr>
<td>13:00</td>
<td>END OF CONFERENCE &amp; LUNCH-TO-GO</td>
<td>Cardiff Castle</td>
</tr>
</tbody>
</table>
## Plenary Session 1
### Monday 9th December

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 12:30 - 12:40 | **WELCOME KEYNOTE**  
by Professor David Ford, Swansea University |
| 12:40 - 12:50 | **INTRODUCTION KEYNOTE**  
by Professor Kerina Jones, Swansea University |
| 12:50 - 13:20 | **PLENARY KEYNOTE**  
Enabling research; Maintaining trust  
by Garry Coleman, NHS Digital |
| 13:20 - 13:50 | **PLENARY KEYNOTE**  
Untargeted support? The importance of using admin data to assess the effectiveness of UK welfare policy  
by Matthew Whittaker, Resolution Foundation |
| 13:50 - 14:20 | **PLENARY KEYNOTE**  
Vulnerability amongst children in England  
by Leon Feinstein, Office of the Children’s Commissioner |
| 14:20 - 14:30 | **PANEL DISCUSSION**  
by Professor David Ford, Swansea University |
| 18:30 - 19:30 | **WELCOME SPEECH**  
by Professor Paul Boyle, Vice-Chancellor of Swansea University |

## Plenary Session 2
### Tuesday 10th December

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 09:30 - 09:45 | **CONFERENCE OPENING REMARKS**  
by Professor David Ford, Swansea University |
| 09:45 - 10:00 | **CONFERENCE OPENING KEYNOTE**  
by Rebecca Evans AM, Minister for Finance and Trefnydd, Welsh Government, Wales, UK |
| 10:00 - 10:30 | **PLENARY KEYNOTE**  
Lots of lovely numbers but why does everyone make it so difficult?  
by John Pullinger Former Head, Government Statistical Service (GSS) and Chief Executive, UK Statistics Authority |
| 10:30 - 11:00 | **PLENARY KEYNOTE**  
The long and winding road: lessons from an inside job on the front line  
by Betsy Stanko, Ministry of Justice’s Data, Evidence and Science Board |
| 11:00 - 11:15 | **PANEL DISCUSSION**  
by Professor David Ford, Swansea University |

## Plenary Session 3
### Wednesday 11th December

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
</table>
| 12:00 - 12:30 | **PLENARY KEYNOTE**  
Data Collaboratives: The emergence of public-private partnerships around Data for public good  
by Stefaan Verhulst, GovLab, New York University |
| 12:30 – 12:45 | **CONFERENCE CLOSING REMARKS**  
by Professor David Ford, Swansea University |
| 12:45 – 13:00 | **BEST PAPER AWARD**  
for Evidence To Support Policy Making  
to be presented by Dr Emma Gordon, ADR UK |
| 13:00 | **END OF CONFERENCE & LUNCH-TO-GO** |
## Parallel Session 1
### Monday 9th December | 15:05 - 16:05

<table>
<thead>
<tr>
<th>Room</th>
<th>Topic</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dora Stoutzker Hall</td>
<td>Not in Employment, Education or Training (NEET); more than a youth policy issue</td>
<td>Francis Mitrou, Telethonkids, AUSTRALIA</td>
</tr>
<tr>
<td>15:05 - 15:25</td>
<td>Sexual crime against children with disabilities: a nationwide prospective birth cohort study</td>
<td>Mogens Christoffersen, The Danish Center for Social Science Research, DENMARK</td>
</tr>
<tr>
<td>15:25 - 15:45</td>
<td>The potential of linking cohort participants to official criminal records; a pilot study using the Avon Longitudinal Study of Parents and Children (ALSPAC)</td>
<td>Alison Teyhyan, Bristol University, UK</td>
</tr>
<tr>
<td>15:45 - 16:05</td>
<td>Migration to Scottish New Towns and the impact on premature mortality in Glasgow: longitudinal analysis of linked Scottish Mental Survey 1947 and NHS Central Register data</td>
<td>Lynne Forrest, University of Edinburgh, UK</td>
</tr>
</tbody>
</table>

## Parallel Session 2
### Monday 9th December | 16:15 - 17:15

<table>
<thead>
<tr>
<th>Room</th>
<th>Topic</th>
<th>Author(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dora Stoutzker Hall</td>
<td>Association between receipt of social care and multimorbidity: evidence from a population-sized cohort in Scotland</td>
<td>David Henderson, Edinburgh Napier University, UK</td>
</tr>
<tr>
<td>16:15 - 16:35</td>
<td>Association between continuity of provider-adjusted regularity of general practitioner (GP) contact and diabetes-related hospitalisation: A data linkage study combining survey and administrative data</td>
<td>Rachel Moorin, Curtin University, AUSTRALIA</td>
</tr>
<tr>
<td>16:35 - 16:55</td>
<td>Association between levothroidic and ischaemic heart disease</td>
<td>Khalid Orayj, Cardiff University, UK</td>
</tr>
<tr>
<td>16:55 - 17:15</td>
<td>Self-harm presentation across healthcare settings by sex in young people</td>
<td>Amanda Marchant, Swansea University, UK</td>
</tr>
</tbody>
</table>

## Ethical, Legal & Social Implications

<table>
<thead>
<tr>
<th>Room</th>
<th>Topic</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Dora Stoutzker Hall</td>
<td>Data intensive science and the public good: Results of public deliberations in British Columbia, Canada</td>
<td>Kim McGrail, University of British Columbia, CANADA</td>
</tr>
<tr>
<td>16:15 - 16:35</td>
<td>The Secure Anonymised Information Linkage Databank e-cohort (SAIL-DeC)</td>
<td>Christian Schnier, University of Edinburgh, UK</td>
</tr>
<tr>
<td>16:35 - 16:55</td>
<td>Using data linkage innovation and collaboration to create a cross-sectoral data repository for Western Australia</td>
<td>Anna Ferrante, Curtin University, AUSTRALIA</td>
</tr>
<tr>
<td>16:55 - 17:15</td>
<td>Building a research partnership between computer scientists and health service researchers for access and analysis of population-level health datasets: what are we learning?</td>
<td>Michael Schull, Institute for Clinical Evaluative Sciences, CANADA</td>
</tr>
</tbody>
</table>

## Methodological & Analytical Advances

<table>
<thead>
<tr>
<th>Room</th>
<th>Topic</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Dora Stoutzker Hall</td>
<td>Evaluating continuity of care incorporating a time protective effect of general practitioner care on diabetes related potentially preventable hospitalisations: An application of threshold effects model</td>
<td>Ninh Ha, Curtin University, AUSTRALIA</td>
</tr>
<tr>
<td>16:15 - 16:35</td>
<td>How complete, representative and accurate is recording of child BMI in electronic general practice records? A record linkage study</td>
<td>Nicola Firman, Queen Mary University London, UK</td>
</tr>
<tr>
<td>16:35 - 16:55</td>
<td>Prevalence three ways: Comparison of linked data from a patient register and electronic health records with allowance for linkage error</td>
<td>James Dodgge, Intensive Care National Audit and Research Centre, UK</td>
</tr>
<tr>
<td>16:55 - 17:15</td>
<td>Developing data governance standards for using free-text data in research (TexGov)</td>
<td>Kerina Jones, Swansea University, UK</td>
</tr>
</tbody>
</table>
## Parallel Session 3  
**Monday 9th December | 17:25 - 18:25**

<table>
<thead>
<tr>
<th>Room</th>
<th>EVIDENCE TO SUPPORT POLICY MAKING</th>
<th>APPLIED RESEARCH</th>
<th>CASE STUDIES &amp; CONCEPTS</th>
<th>ETHICAL, LEGAL &amp; SOCIAL IMPLICATIONS</th>
<th>METHODOLOGICAL &amp; ANALYTICAL ADVANCES</th>
</tr>
</thead>
</table>
| 17:25 - 17:45         | Evaluating needs-based home visiting support: Can administrative data help?  
Dora Stoutzker Hall (Ground Floor)  
Nell Warner  
Cardiff University, UK | Seligman (1st Floor)  
Pros and cons of using anonymised linked routine data to improve efficiency of randomised controlled trials in healthcare: experience in primary and emergency care  
Helen Sneaks  
Swansea University, UK | Simon Gibson (2nd Floor)  
Administrative Data Censuses in US States  
Amy O’Hara  
Georgetown University, USA | Dame Shirley Bassey (2nd Floor)  
A Victim-Focused Response to Repeat Fraud and Computer Misuse Crimes: Challenges and Opportunities through Admin Data Linkage  
Sara Correia  
Swansea University, UK | Rowe-Beddoe (2nd Floor)  
Leveraging Electronic Health Records and Administrative Datasets to Understand Social Determinants of Health: Opportunities and Challenges  
Jonathan Tan  
Children's Hospital of Philadelphia, USA |
| 17:45 - 18:05         | Assessing the impact on inequalities in use of orthodontic services of the introduction of an objective measure of treatment need in Northern Ireland  
Kishan Patel  
Queen University Belfast, UK | Long-term outcomes of urinary tract infection (UTI) in childhood: The LUCI study  
Kathryn Hughes  
Cardiff University, UK | Building a Canadian Data Platform under the Strategy for Patient-Oriented Research  
Kim McGrail  
University of British Columbia, CANADA | Disclosure Data: Who uses it, why, and what difference does it make?  
Andrew Engeli  
Office of National Statistics, UK | Development of an Injury Indicator Tool to Support Policy and Practice across Wales  
Samantha Turner  
Swansea University, UK |
| 18:05 - 18:25         | Evaluation of the Troubled Families Programme  
Lan-Ho Man and Ralph Halliday  
Ministry of Housing, Communities and Local Government, UK | The association between mother’s alcohol consumption during pregnancy and their child’s educational attainment and risk of hospital admission by age 14  
Amrita Bandyopadhyay  
Swansea University, UK | Using administrative data sources to better understand student migration and circular travel patterns  
Samaa Elsadabese  
Office of National Statistics, UK | Protecting children during child protection research using administrative data  
Jade Hooper  
University of Stirling, UK | Using record linkage to test representativeness of an ageing cohort  
Frances Burns  
Queen University Belfast, UK |

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## Parallel Session 4  
**Tuesday 10th December | 11:45 - 12:55**

<table>
<thead>
<tr>
<th>Room</th>
<th>EVIDENCE TO SUPPORT POLICY MAKING</th>
<th>APPLIED RESEARCH</th>
<th>METHODOLOGICAL &amp; ANALYTICAL ADVANCES</th>
<th>CASE STUDIES &amp; CONCEPTS</th>
<th>APPLIED RESEARCH</th>
</tr>
</thead>
</table>
| 11:45 - 12:05         | Health conditions, disability and economic inactivity in Northern Ireland: An administrative data study  
Ana Corina Miller  
Queen University Belfast, UK | What happens after self-harm? An exploration of self-harm and suicide using the Northern Ireland Registry of Self-Harm  
Emma Ross  
Queen University Belfast, UK | Automatic coding of occupation and cause-of-death records  
Richard Tobin  
University of Edinburgh, UK | What happens without population data? - The case of Ukraine  
Dorottya Molnár-Kovács  
University of Debrecen, HUNGARY | Studio Two (1st Floor)  
U.S. Decennial Census Digitization and Linkage Project  
Trent Alexander  
University of Michigan, USA |
| 12:10 - 12:30         | Co-producing a typology for Green and Blue spaces for a longitudinal, national dataset of Green and Blue spaces  
Amy Milzen  
Swansea University, UK | Does the risk of poor mental health rise before widowhood  
Zhiqiang Feng  
University of Edinburgh, UK | Unlocking the potential of health systems using privacy preserving record linkage: A pilot project exploring the research potential of developing a linkable general practice dataset  
James Boyd  
La Trobe University, AUSTRALIA | Developing a new cohort of children born to women who used opioids in pregnancy using administrative data: insights into cohort creation and early results  
Louise Marryat  
University of Edinburgh, UK | Impact Workshop  
Stephan Tietz  
Office of National Statistics, UK |
| 12:35 - 12:55         | Scottish Burden of Disease (SBOD) study: developments and findings of local estimates  
Grant Wyper  
NHS Scotland, UK | Poor mental health and uptake of disability benefits  
Dermot O’Reilly  
Queen University Belfast, UK | Household Matching for the 2021 Census  
Josie Plachta and Charlie Tomlin  
Office of National Statistics, UK | A public health approach to reducing violence: Can data linkage help to reduce demand on blue light services?  
Susan McVie  
University of Edinburgh, UK | This workshop is open to all delegates |
### Parallel Session 5
**Tuesday 10th December | 15:30 - 16:30**

**Room**
- **Dora Stoutzker Hall (Ground Floor)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>15:30 - 15:50</td>
<td>The relationship between loneliness, social isolation and health service usage in an older population: an example of administrative data linkage using Healthy Ageing In Scotland (HAGIS) and NHS records</td>
<td>Elaine Douglas, University of Stirling, UK</td>
</tr>
<tr>
<td>15:50 - 16:10</td>
<td>Area Deprivation, Urbanity and Severe Mental Illness – A Population-Based Linkage Study Using Routinely Collected Primary and Secondary Care Data</td>
<td>Sze Shim Lee, Swansea University, UK</td>
</tr>
<tr>
<td>16:10 - 16:30</td>
<td>Careers guidance provisions and progression to post-16 education: An empirical analysis for Wales</td>
<td>Katy Huxley, Cardiff University, UK</td>
</tr>
</tbody>
</table>

### Parallel Session 6
**Tuesday 10th December | 16:40 - 18:00**

**Room**
- **Dora Stoutzker Hall (Ground Floor)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speakers</th>
</tr>
</thead>
<tbody>
<tr>
<td>16:40 - 17:00</td>
<td>Careers Guidance and Transitions to Further Education in Wales</td>
<td>Katy Huxley, Cardiff University, UK</td>
</tr>
<tr>
<td>17:00 - 17:20</td>
<td>Educational outcomes of children in Wales with cerebral palsy</td>
<td>Helen Daniels, Swansea University, UK</td>
</tr>
<tr>
<td>17:20 - 17:40</td>
<td>Education and health outcomes of children treated for chronic conditions</td>
<td>Michael Fleming, Glasgow University, UK</td>
</tr>
<tr>
<td>17:40 - 18:00</td>
<td>Gender and STEM Subject Choice</td>
<td>Anne Gasteen, University of Stirling, UK</td>
</tr>
</tbody>
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**EVIDENCE TO SUPPORT POLICY MAKING**
- **Dora Stoutzker Hall (Ground Floor)**

**APPLIED RESEARCH**
- **Seligmans (1st Floor)**

**METHODOLOGICAL & ANALYTICAL ADVANCES**
- **Simon Gibson (2nd Floor)**

**CASE STUDIES & CONCEPTS**
- **Dame Shirley Bassey (2nd Floor)**

**APPLIED RESEARCH**
- **Rowe-Beddoe (2nd Floor)**

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**EVIDENCE TO SUPPORT POLICY MAKING**
- **Dora Stoutzker Hall (Ground Floor)**

**APPLIED RESEARCH**
- **Seligmans (1st Floor)**

**METHODOLOGICAL & ANALYTICAL ADVANCES**
- **Simon Gibson (2nd Floor)**

**CASE STUDIES & CONCEPTS**
- **Dame Shirley Bassey (2nd Floor)**

**APPLIED RESEARCH**
- **Rowe-Beddoe (2nd Floor)**

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**EVIDENCE TO SUPPORT POLICY MAKING**
- **Dora Stoutzker Hall (Ground Floor)**

**APPLIED RESEARCH**
- **Seligmans (1st Floor)**

**METHODOLOGICAL & ANALYTICAL ADVANCES**
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**CASE STUDIES & CONCEPTS**
- **Dame Shirley Bassey (2nd Floor)**

**APPLIED RESEARCH**
- **Rowe-Beddoe (2nd Floor)**

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**EVIDENCE TO SUPPORT POLICY MAKING**
- **Dora Stoutzker Hall (Ground Floor)**

**APPLIED RESEARCH**
- **Seligmans (1st Floor)**

**METHODOLOGICAL & ANALYTICAL ADVANCES**
- **Simon Gibson (2nd Floor)**

**CASE STUDIES & CONCEPTS**
- **Dame Shirley Bassey (2nd Floor)**

**APPLIED RESEARCH**
- **Rowe-Beddoe (2nd Floor)**

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**EVIDENCE TO SUPPORT POLICY MAKING**
- **Dora Stoutzker Hall (Ground Floor)**

**APPLIED RESEARCH**
- **Seligmans (1st Floor)**

**METHODOLOGICAL & ANALYTICAL ADVANCES**
- **Simon Gibson (2nd Floor)**

**CASE STUDIES & CONCEPTS**
- **Dame Shirley Bassey (2nd Floor)**

**APPLIED RESEARCH**
- **Rowe-Beddoe (2nd Floor)**

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### Parallel Session 7
**Wednesday 11th December | 09:45 - 10:45**

<table>
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<tr>
<th>Room</th>
<th>EVIDENCE TO SUPPORT POLICY MAKING</th>
<th>METHODOLOGICAL &amp; ANALYTICAL ADVANCES</th>
<th>CASE STUDIES &amp; CONCEPTS</th>
<th>ETHICAL, LEGAL &amp; SOCIAL IMPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>09:45 - 10:05</td>
<td>Dennis Culhane</td>
<td>Daniel Leightley</td>
<td>Emmanuel Bacry</td>
<td>Ashra Khanom</td>
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<tr>
<td></td>
<td>University of Pennsylvania, USA</td>
<td>King's College London Centre for Military Health Research, UK</td>
<td>The French Health Data Hub, University Paris-Dauphine, FRANCE</td>
<td>Swansea University, UK</td>
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<tr>
<td>10:05 - 10:25</td>
<td>Homelessness and health needs in Wales</td>
<td>ATC-ICD: enabling domain experts to explore and evaluate machine learning models estimating diagnoses from filled predictions</td>
<td>An Instrumental variable approach to estimation of match probabilities or precision in linked data</td>
<td>Strategies for centering equity and public engagement in the ethical use of integrated administrative data</td>
</tr>
<tr>
<td></td>
<td>Jiao Song</td>
<td>Florian Endel</td>
<td>James Doidge</td>
<td>Adelia Jenkins</td>
</tr>
<tr>
<td></td>
<td>Public Health Wales, UK</td>
<td>Vienna University of Technology, AUSTRIA</td>
<td>Intensive Care National Audit and Research Centre, UK</td>
<td>University of Pennsylvania, USA</td>
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<tr>
<td>10:25 - 10:45</td>
<td>The prevention priority: linking education and homelessness data to inform policy and practice</td>
<td>Defining Acute Kidney Injury Episodes</td>
<td>Exploratory versus experimental design: overcoming the prejudice of 'data dredging'</td>
<td>Repeatable Research Infrastructure Enabling Administrative Data Analysis</td>
</tr>
<tr>
<td></td>
<td>Peter Mackie</td>
<td>Gareth Davies</td>
<td>Sarah Jane Jones</td>
<td>Dan Thayer</td>
</tr>
<tr>
<td></td>
<td>Cardiff University, UK</td>
<td>Swansea University, UK</td>
<td>Birmingham City University / Health Foundation, UK</td>
<td>Swansea University, UK</td>
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</table>

### Parallel Session 8
**Wednesday 11th December | 11:15 - 11:55**

<table>
<thead>
<tr>
<th>Room</th>
<th>EVIDENCE TO SUPPORT POLICY MAKING</th>
<th>METHODOLOGICAL &amp; ANALYTICAL ADVANCES</th>
<th>CASE STUDIES &amp; CONCEPTS</th>
<th>ETHICAL, LEGAL &amp; SOCIAL IMPLICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dora Stoutzker Hall (Ground Floor)</td>
<td>Better data, better knowledge, better society: Developing an ideal homelessness data system drawing on lessons from global practice</td>
<td>Using linked English cancer registration data to assess variation in diagnostic pathway length</td>
<td>Data resource description: National Cancer Registration Dataset in England</td>
<td>Developing a training curriculum for researchers working with routine data: understanding professional and lay stakeholder priorities - The CENTRIC Study</td>
</tr>
<tr>
<td>11:15 - 11:35</td>
<td>Ian Thomas</td>
<td>Clare Pearson</td>
<td>Katherine Henson</td>
<td>Mike Robling</td>
</tr>
<tr>
<td></td>
<td>Cardiff University, UK</td>
<td>Cancer Research UK, UK</td>
<td>Public Health England, UK</td>
<td>Cardiff University, UK</td>
</tr>
<tr>
<td></td>
<td>Victoria Coathup</td>
<td>David Whyatt</td>
<td>Chloe Bright</td>
<td>Louise Corti</td>
</tr>
<tr>
<td></td>
<td>Oxford University, UK</td>
<td>University of Western Australia, AUSTRALIA</td>
<td>Public Health England, UK</td>
<td>University of Essex, UK</td>
</tr>
</tbody>
</table>
**Tuesday 10th December | 14:00 - 15:00**

**Rapid Fire Sessions**

<table>
<thead>
<tr>
<th>Room</th>
<th>Topic</th>
<th>Authors</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dora Stoutzker Hall (Ground Floor)</td>
<td>Is there equity of access to revascularisation in Wales by socioeconomic deprivation?</td>
<td>Lloyd Evans</td>
<td>NHS Wales, UK</td>
</tr>
<tr>
<td>Seligman (1st Floor)</td>
<td>Noting two alternative datasets about looked after children: testing feasibility and enhancing understanding</td>
<td>Simon Gibson</td>
<td>(2nd Floor)</td>
</tr>
<tr>
<td></td>
<td>Linking two alternative datasets about looked after children: testing feasibility and enhancing understanding</td>
<td>Jade Hooper</td>
<td>University of Stirling, UK</td>
</tr>
<tr>
<td>Sim wasman (2nd Floor)</td>
<td>Using Linked Administrative Data to Measure Earnings Mobility of Public Assistance Recipients during the Great Recession</td>
<td>Sally Wallace</td>
<td>Georgia State University, USA</td>
</tr>
<tr>
<td></td>
<td>Linking two administrative datasets about looked after children: testing feasibility and enhancing understanding</td>
<td>Adelia Jenkins</td>
<td>University of Pennsylvania, USA</td>
</tr>
<tr>
<td></td>
<td>Estimates of mortality rates in people with diabetes and cardiovascular disease using administrative pharmaceutical data</td>
<td>Shaun Purkiss</td>
<td>La Trobe University, AUSTRALIA</td>
</tr>
<tr>
<td></td>
<td>Combining Hungarian Administrative Data with Google Search Trends to Predict Tendencies in Local Public Health and Consumer Behaviour</td>
<td>Dorottya Molnár-Kovács</td>
<td>University of Debrecen, HUNGARY</td>
</tr>
<tr>
<td>Studio Two (1st Floor)</td>
<td>Improving the tables, we need ideas</td>
<td>Dorothy Selby</td>
<td>Swansea University, UK</td>
</tr>
<tr>
<td></td>
<td>Linking two administrative datasets about looked after children: testing feasibility and enhancing understanding</td>
<td>Anthony Stevens</td>
<td>Brazil Ministry of Health, BRAZIL</td>
</tr>
<tr>
<td></td>
<td>People with cancer living in deprived areas of Wales are more likely to have another serious condition at diagnosis than those in the least deprived areas</td>
<td>Dyfed Wyn Huws</td>
<td>NHS Wales, UK</td>
</tr>
<tr>
<td></td>
<td>Estimates of mortality rates in people with diabetes and cardiovascular disease using administrative pharmaceutical data</td>
<td>Shaune Purkiss</td>
<td>La Trobe University, AUSTRALIA</td>
</tr>
<tr>
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<td>Combing Hungarian Administrative Data with Google Search Trends to Predict Tendencies in Local Public Health and Consumer Behaviour</td>
<td>Dorottya Molnár-Kovács</td>
<td>University of Debrecen, HUNGARY</td>
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Visitor Information

WIFI
Complimentary wireless internet access is available to conference delegates throughout the 3 days of the conference. The username and password will be provided upon arrival at the conference.

REGISTRATION
Delegate badges will be made available at the registration desk positioned in the entrance foyer. Badges must be worn at all times for admission to all sessions including refreshments and lunches throughout the 3-day conference.

The registration desk will be open as follows:

- Monday 9th December: 08:30 – 19:30
- Tuesday 10th December: 08:30 – 18:00
- Wednesday 11th December: 08:30 – 13:00

CONFERENCE GUIDE
The conference will not be printing and distributing hard copies of the conference guide onsite so please either print or download the conference programme in advance from the website. The conference guide is available on ijpds.org/adr2019

MEALS
Lunches and refreshments are provided during the 3-day conference, all served in the Linbury Gallery on the first floor. On the final day of the conference, all delegates are provided with a packed lunch-to-go.

The Welcome Drinks Reception taking place on Monday 9th December from 18:30 is open to all delegates.

The Gala Dinner taking place in Cardiff Castle must be pre-booked and only ticket holders will be permitted entry.

ACCOMMODATION
Cardiff has a wide range of hotel accommodation to suit all tastes and budgets. To browse alternative options and to make your reservation, simply follow this link.

Hilton Cardiff
Hilton Cardiff is the closest in proximity to the ADR 2019 venue. The Hotel is delighted to offer ADR 2019 delegates a **10% discount** on room bookings. This is a flexible rate for Bed and Breakfast with no upfront payment required.

Simply enter this code: **ASWUNI** when booking to claim your 10% discount.

PARKING
Parking spaces at the venue are restricted to disabled badge-holders only. However, there are pay-and-display car parks adjacent to the venue on either side.

There is further parking available throughout the Civic Centre, opposite the venue’s main entrance on the other side of North Road, and is operated via a pay-and-display system.

There are also a number of multi-storey car parks in the city centre, 5-10 minutes walk from the venue.

ON FOOT
Situated in the Centre of Cardiff, the venue is close to several public transport hubs, making ideal for reaching on foot. It is just a 20 minute walk from Cardiff Central Station, 15 minutes from Cardiff Queen Street and 5 minutes from Cathays Station.

BY BIKE
The venue is easily accessible by bike. A cycle path along North Road runs directly past the college campus and links with the Taff Trail, Route 8 of the National Cycle Network which runs alongside the River Taff.

BUS
Local and regional bus services (Cardiff Bus 21, 23, 25 and 27) regularly pass the front door of the venue as do a range of services on the Stagecoach and National Express network. Buses depart from the main bus terminus in front of Cardiff Central train station.

Visit the [Cardiff Bus website](https://www.cardiffbus.com) or telephone 029 2066 6444 for further details.

BY TAXI
Taxis from the Cardiff Central train station will cost approximately £5 - £6.
Venue Floor Plan

Ground Level | Llawr Gwaelod

1 Foyer & Box Office
2 Neuadd Dora Stoutzker Hall Stalls | Gwaelod 2 & 3
3 Cafe/Bar
4 Linbury Gallery | Oriel Linbury
5 Terrace | Teras

Level 1 | Lefel 1

1 Stiwdio Seligman Studio
2 Neuadd Dora Stoutzker Hall Stalls | Gwaelod 2 & 3
3 Studio Two | Stiwdio Dau

Level 2 | Lefel 2

1 Stiwdio Dame Shirley Bassey Studio
2 Stiwdio Rowe-Beddoe Studio
3 Stiwdio Simon Gibson Studio
4 Rooms | Ystafelloedd 2.05 - 2.08

Key | Allweddd

Stairs | Grisiau
Lift | Lifft
Toilets | Tai Bach
Fire Exit | Allanfa Dan
Participating Organisations

Special thanks to all participating organisations:

**AUSTRALIA**

Melbourne
La Trobe University

Perth
Curtin University
Population Health Research Network, The University of Western Australia
Telethon Kids Institute, Perth Children's Hospital
The University of Western Australia

Sydney
The University of New South Wales
The University of Sydney

Tasmania
University of Tasmania

**CANADA**

Alberta
Alberta Health Services, Alberta Ministry of Health

British Columbia
British Columbia Centre for Excellence in HIV/AIDS, St. Paul's Hospital
Population Data BC, The University of British Columbia
The University of British Columbia

Manitoba
Manitoba Centre for Health Policy
University of Manitoba

New Brunswick
University of New Brunswick

Ontario
Government of Canada
Institute for Clinical Evaluative Sciences
Statistics Canada - Canada national statistical agency

**DENMARK**

Copenhagen
VIVE - The Danish Center for Social Science Research

**FRANCE**

Paris
INDS - National Institute of Health Data

**GERMANY**

Duisburg
The University of Duisburg-Essen

Nuremberg
IAB - Institute for Employment Research

**HUNGARY**

Debrecen
University of Debrecen

**UNITED KINGDOM**

UK Government
Department for Work and Pensions
Home Office
Ministry of Housing, Communities and Local Government
Ministry of Justice
Office for National Statistics
Office for Statistics Regulation - UK Statistics Authority
ADR UK - Administrative Data Research UK (funded by the Economic and Social Research Council, part of UK Research and Innovation)

England
Birmingham City University
Cancer Research UK in partnership with Public Health England
CeLSIUS - Centre for Longitudinal Study Information and User Support, University College London
Centre for Child and Family Justice Research, Lancaster University
City, University of London
Clinical Effectiveness Group, Queen Mary University of London
CLOSER, the Home of Longitudinal Research, University College London (UCL) Institute of Education

Environment Agency
Institute of Population Health Sciences, The University of Liverpool
ICNARC - Intensive Care National Audit & Research Centre
King's Centre for Military Health Research, King's College London
King's College London
Ludger Limited
National Cancer Registration and Analysis Service, Public Health England
NHS Digital
NHS England
Office of the Children's Commissioner
Public Health England
Queen Mary University of London
Resolution Foundation
Thames Valley Police
The Health Foundation
The Joseph Rowntree Foundation
UK Data Archive, University of Essex
University College London
University College London (UCL) Institute of Child Health
University of Bristol
University of Manchester
University of Oxford
University of Southampton
University of Westminster
University of the West of England, Bristol

Northern Ireland
ADRC NI - Administrative Data Research Centre Northern Ireland, partnership between Queen's University Belfast and Ulster University
Centre for Public Health, Queen's University Belfast
NISRA - Northern Ireland Statistics & Research Agency
Queen's University Belfast
Ulster University

**AUSTRIA**

Vienna
DEXHELPP - Decision Support for Health Policy and Planning
TU Wien - Technische Universität Wien (Vienna University of Technology)

**BRAZIL**

Brasilia
Brazil Ministry of Health
Scotland
ADR Scotland - Administrative Data Research
Scotland, The University of Edinburgh
Generation Scotland, The University of Edinburgh
National Records of Scotland
NHS Health Scotland
The Scottish Government
The University of Edinburgh
University of Aberdeen
University of Glasgow
University of Stirling

Wales
ADR Wales - Administrative Data Research
Wales, partnership between Swansea University, Cardiff University and Welsh Government
Cardiff University
Centre for Trials Research, Cardiff University
Division of Population Medicine, Cardiff University
HDRUK - Health Data Research UK (Wales & Northern Ireland)
HealthWise Wales
National Centre for Population Health & Wellbeing Research
NHS Wales
NHS Wales Informatics Service
NWCPP - North Wales Clinical Psychology Programme, Bangor University
Public Health Wales
School of Law and Politics, Cardiff University
Social Care Wales
Swansea Bay University Health Board
Swansea University
Swansea University Medical School
University of South Wales
Wales Centre for Public Policy, Cardiff University
Welsh Cancer Intelligence and Surveillance Unit, Public Health Wales
Welsh Government
WISERD - Wales Institute of Social & Economic Research, Data and Methods, Cardiff University

UNITED STATES OF AMERICA

Atlanta
Andrew Young School of Policy Studies, Georgia State University
Georgia State University

California
Institute for Research in the Social Sciences, Stanford University

Michigan
University of Michigan

New York
The GovLab, New York University’s Tandon School of Engineering
UNICEF - United Nations International Children’s Emergency Fund

Oklahoma
Asemio LLC

Philadelphia
AISP - Actionable Intelligence for Social Policy, University of Pennsylvania
Children’s Hospital of Philadelphia
University of Pennsylvania

Washington DC
Georgetown University