

What is administrative data? [adruk.org/our-mission/administrative-data/]

Data First: Harnessing the potential of linked administrative data for the justice system

Status: Active

Categories: <u>Data linkage programmes</u>, <u>Research using linked data</u>, <u>ADR England</u>, <u>Children & Young People</u>, <u>Crime & Justice</u>, <u>Health & Wellbeing</u>, <u>Housing & Communities</u>, <u>Inequality & Social Inclusion</u>, <u>World of Work</u>

1 May 2023

Data First is an ambitious data-linking programme led by the Ministry of Justice [https://www.gov.uk/government /organisations/ministry-of-justice] (MoJ) and funded by ADR UK. Now in its second phase of funding, it aims to harness the potential of the wealth of data already created by MoJ by linking administrative datasets from across the justice system and beyond. Data First is enabling researchers within government as well as accredited researchers to access the data in an ethical and responsible way.

The most vulnerable people in our society have complex and multiple needs. They are likely to interact with a range of public services, from health and social care to housing and welfare through to the justice system. While the government collects a large amount of data as the public interacts with these services, it is vastly underused. Understanding these populations, their needs, and how they interact with public services over time is vital if we are to improve outcomes. Robust data is central to this, and the MoJ has committed to using it more effectively to enhance the evidence for policy and practice.

Data First works in partnership with independent and expert academics to promote and facilitate research in the justice space. This will create a sustainable body of knowledge on justice system users and their interactions across the system, including the family, civil and criminal courts and a range of other government services. Resulting evidence will be used to underpin the development of government policies and drive real progress in tackling social and justice problems.

The data

Data already shared under Data First has linked civil, family and criminal justice administrative datasets held by MoJ, including datasets from its executive agencies such as HM Prison and Probation Service (HMPPS) and HM Courts and Tribunals Service [https://www.gov.uk/government/organisations/hm-courts-and-tribunals-service] (HMCTS). Data has been linked externally too bringing justice data together with data held by the Department for Education (DfE).

In this next phase of funding, Data First will link and share new datasets from across the justice system and from other government departments. We will refresh and improve existing datasets as well as linking new datasets to those already available.

As one example, we will de-duplicate and link a de-identified dataset based on the Offender Assessment

System (OASys) administrative database. This will enrich our understanding of offenders' needs and risks, and how these may impact upon their outcomes.

Four new data shares will link justice data to that of other government departments, to develop the evidence on the drivers and outcomes for justice system users across other public services.

Potential of the newly linked data

By linking the civil, family and criminal justice administrative datasets, we can build a picture of the characteristics of justice system users and how they interact over time with justice services. Understanding these characteristics, patterns of frequent use, and common transitions between different services, will develop our understanding of 'what works' and inform the development of government policies and services.

This insight could enable people to:

- access support swiftly and effectively to resolve civil justice problems such as homelessness or debt
- · avoid the escalation of civil justice problems into the criminal courts
- reduce the extent of repeat interactions with the justice system
- and improve people's overall experience of the system.

Linking MoJ data with that of other departments will develop our understanding of how justice system users interact with other government services. This will enable further insight into the needs, pathways and outcomes of our users, such as the distribution of educational backgrounds among different groups within the justice system.

These newly linked datasets are helping to explore critical evidence priorities, as set out in the MoJ <u>Areas of Research Interest (2020). [https://www.gov.uk/government/publications/ministry-of-justice-areas-of-research-interest-2020]</u> Key questions may include:

- What are the links between the people who use the civil and family courts and those who interact with the criminal justice system?
- What are the links between educational outcomes and offending? How are these outcomes impacted by demographic factors?
- What are the risks and needs of different offender groups? How do these change over time and affect their likelihood of reoffending?
- · What factors affect the likelihood of different groups receiving different sentences?
- Who are the 'repeat' users across the justice system? How often do they return, and how do their outcomes change?

Availability

De-identified, research-ready datasets produced to date as part of Data First are available to external researchers via the ONS Secure Research Service [https://ons.metadata.works/browser/search?search-term=Data+First]_ and the SAIL Databank [https://saildatabank.com/]. Researchers will need to be accredited and submit an application for approval to access the data. Detailed MoJ data catalogues and a user guide can be found on gov.uk [https://www.gov.uk/guidance/ministry-of-justice-data-first].

To enable the large-scale data-linkage for Data First, MoJ has developed open-source, free software called Splink. Find out more on the Splink website [https://moj-analytical-services.github.io/splink/].

Engaging justice system users

ADR UK and MoJ are committed to public transparency and accountability for the way justice system data is used for research under Data First. We have established a **User Representation Panel** comprising representatives from organisations that work directly with or on behalf of people with experience of the criminal, civil and family justice systems. The panel works alongside the Data First team to make sure the needs and interests of justice system users are reflected throughout the programme to deliver maximum benefits. The panel has already met in January 2022 to discuss the potential of the <u>probation & criminal justice system linking dataset [adruk.org/fileadmin/uploads/adruk/Documents/PE reports and documents /PE reports and documents /Probation and criminal justice system linking dataset key messages from stakeholders March 2022.pdf].</u>

Organisations represented on the panel include Cafcass and Cafcass Family Justice Young People's Board, Clinks, Khulisa, Prison Advice and Care Trust, Prison Reform Trust, Revolving Doors, Sentencing Academy and Unlock. Full details of the Panel can be found in the Terms of Reference@adruk.org/news-publications/publications-reports/data-first-user-representation-panel-terms-of-reference-366/].

Current grant details

Project lead: Amy Summerfield

Funded value: £2,353,706

Duration: 1 July 2022 – 30 September 2025

The <u>Academic Lead [adruk.org/news-publications/news-blogs/introducing-professor-andromachi-tseloni-data-first-academic-lead-208/]</u>, appointed to advise the Data First team and ensure the programme meets academic needs, is continuing their role for the next phase:

Academic Lead: <u>Professor Andromachi Tseloni [https://www.ntu.ac.uk/staff-profiles/social-sciences/andromachi-tseloni]</u>,
 Nottingham Trent University

• Funded value: £152,397.77

• Duration: 10 April 2023 - 30 June 2024

This project is funded via the ADR UK research-ready data and access fund [adruk.org/news-publications/news-blogs/call-for-expressions-of-interest-research-ready-data-and-access-funding-398/], a dedicated fund for commissioning research using newly linked administrative data. The funding decision was based on advice from an independent expert panel, and in consultation with the Office for National Statistics. This project is part of the ADR England [adruk.org/about-us/our-partnership/adr-england/] portfolio.

Details of the funding grant awarded by ADR UK to MoJ for this project can also be found on the UK Research and Innovation (UKRI) Gateway to Research platform. Read the <u>funding announcement</u> [adruk.org/news-publications/news-blogs/renewed-adr-uk-funding-for-groundbreaking-data-first-programme/] on our website.

Previous grant details

Project lead: Adrian Richards, MoJ

Funded value: £2,890,710

Duration: September 2019 – June 2022

Grant achievements

• Shared eight justice datasets [https://www.gov.uk/guidance/ministry-of-justice-data-first] available to accredited researchers via the ONS Secure Research Service [https://ons.metadata.works/domain /index.html] and SAIL Databank [https://saildatabank.com/] to enable new and innovative cross-government and academic research for policy insights. This includes data to link cases and people across the criminal and family courts, prison and probation services:

- Magistrates' Court Defendant England and Wales
- Crown Court Defendant England and Wales
- Prisoner Custodial Journey England and Wales
- Probation England and Wales
- Family Court England and Wales
- o Criminal Courts, Prisons and Probation- England and Wales
- Civil justice courts
- Accelerated data-sharing with other government departments, including a data-share with the Department for Education available via the ONS Secure Research Service, enabling new research on the educational outcomes of offenders.
- Facilitated and delivered new impactful research for policy insights, via government publications [https://www.gov.uk/guidance/ministry-of-justice-data-first], ADR-UK funded Research Fellowships [https://www.adruk.org/our-work/browse-all-projects/?tx_llcatalog_pi%5Bfilters%5D%5Bnews%5D=862&tx_llcatalog_pi%5Bfilters%5D%5Bnews%5D=862&tx_llcatalog_pi%5Bfilters%5D%5Bnews%5D=862&tx_llcatalog_pi%5Bfilters%5D%5Bnews%5D=862&tx_llcatalog_pi%5Bfilters%5D%5Bthemes%5D=800&

 CHash=c731fa2cb802ce0b35f5cba7939ce64e] and academic research [https://www.gov.uk/government/publications/moj-data-first-application-form-for-secure-access-to-data] to address MoJ's evidence needs as set out in the MoJ Areas of Research Interest [https://www.gov.uk/government/publications/ministry-of-justice-areas-of-research-interest-2020] (ARI, 2020).
- Embedded academic expertise to maximise the policy impact of the datasets, via a seconded Academic Lead Professor Andromachi Tseloni, expert <u>Academic Advisory Group</u> [https://www.adruk.org/news-publications/news-blogs/introducing-data-firsts-academic-advisory-group-210/] and comprehensive programme of external engagement.
- Published a <u>suite of supporting materials [https://www.gov.uk/guidance/ministry-of-justice-data-first]</u> to demonstrate commitment to transparency and researcher access, including high-quality data documentation, such as detailed data catalogues, a user guide, application form and a published tracker with all research facilitated via Data First.
- Released award-winning data-linking software, <u>Splink [https://moj-analytical-services.github.io/splink/]</u>, to transform the methodological capabilities across government and academia.
- Established a User Representation Panel, comprising representatives of the justice system, to maintain public credibility and acceptability of data sharing.

This project was funded via the ADR UK Strategic Hub Fund, a dedicated fund for commissioning research using newly linked administrative data, in consultation with the former Research Commissioning Board (RCB).

An <u>Academic Lead [https://www.adruk.org/news-publications/news-blogs/introducing-professor-andromachi-tseloni-data-first-academic-lead-208/]</u> was appointed to advise the Data First team and engage with relevant experts:

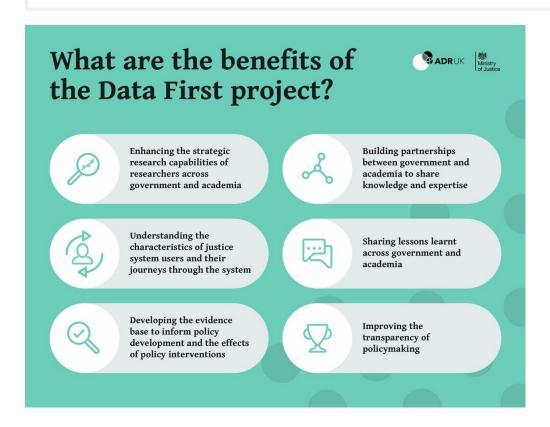
• Academic Lead: <u>Professor Andromachi Tseloni [https://www.ntu.ac.uk/staff-profiles/social-sciences/andromachitseloni]</u>, Nottingham Trent University

• Funded value: £149,703.46

• **Duration:** April 2020 – March 2022

Details of the funding grant awarded to Nottingham Trent University can also be found on the UK Research and Innovation (UKRI) <u>Gateway to Research [https://gtr.ukri.org/projects?ref=ES%2FV002198%2F1]</u> platform.

The Academic Lead was supported by an Academic Advisory Group [https://www.adruk.org/news-publications /news-blogs/introducing-data-firsts-academic-advisory-group-210/] (terms of reference available here [https://www.adruk.org /news-publications/publications-reports/data-first-academic-advisory-group-terms-of-reference-216/]), and External Champion and Advisor [https://www.adruk.org/news-publications/news-blogs/crime-in-context-harnessing-administrative-data-for-better-justice-209/]. Professor Betsy Stanko. To facilitate the views of justice system users, Data First has a bespoke User Representation Panel [https://www.adruk.org/fileadmin/uploads/adruk/Documents
//User_Representation_Panel_ToR_2021-26.pdf] which comprises representatives from criminal, civil and family justice organisations that work with, and on behalf of, system users (such as defendants, prisoners, claimants in civil disputes, or parties to family law cases) to reflect the range of users included within the project scope.



Categories: <u>Data linkage programmes</u>, <u>Research using linked data</u>, <u>ADR England</u>, <u>Children & Young People</u>, <u>Crime & Justice</u>, <u>Health & Wellbeing</u>, <u>Housing & Communities</u>, <u>Inequality & Social Inclusion</u>, <u>World of Work</u>

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Related news

 New insight into the civil justice system enabled by data shared by Data First

Accredited researchers can apply to use a new de-identified dataset sharing information from the civil justice system in England and Wales. The dataset contains information about all civil cases heard in the County Court, and property repossession claims submitted through the Possession Claim Online portal.

Read more [adruk.org/news-publications/news-blogs/new-insight-into-the-civil-justice-system-enabled-by-data-shared-by-data-first/]

 ADR UK Research Fellows: The first users of the Data First probation and criminal justice linked datasets

ADR UK is funding two Research Fellows for 12 months to conduct analysis using the newly available Ministry of Justice (MoJ) Data First probation and criminal justice system linked datasets. The research aims to improve our understanding of experiences of the criminal justice system.

Read more [adruk.org/our-work/browse-all-projects/adr-uk-research-fellows-the-first-users-of-the-data-first-probation-and-criminal-justice-linked-datasets-new63fdc70162868654419743/]

· Unlocking criminal justice data

Last month, ADR Scotland hosted an online event on unlocking criminal justice data. The event attracted researchers and practitioners from a wide range of organisations, including universities, justice organisations and the Scottish and UK Government. They came together to discuss early findings from the exciting research projects using administrative data from the Data First programme.

Read more [adruk.org/news-publications/news-blogs/unlocking-criminal-justice-data/]

 ADR UK-funded research wins ONS Linked Administrative Data Award

Following the presentation of the Office for National Statistics (ONS)

Research Excellence Awards, Engagement Manager Callum Barnes and Impact Manager Abbie Bevan (both from the ONS) reflect on the winners and their innovative projects.

Read more [adruk.org/news-publications/news-blogs/adr-uk-funded-research-wins-ons-linked-administrative-data-award/]

Renewed ADR UK funding for groundbreaking Data First programme

ADR UK is investing over £2.3 million in the Ministry of Justice Data First programme. This will enable the pioneering data-linkage and academic engagement programme to continue for a further three years.

Read more [adruk.org/news-publications/news-blogs/renewed-adr-uk-funding-for-groundbreaking-data-first-programme/]

Splink: Free software for probabilistic record linkage at scale

In this blog, Ministry of Justice (MoJ) data scientist Robin Linacre introduces Splink, a free and open source software library for record linkage at scale that has now been downloaded over three million times. This software implements a best-practice approach, and has been developed as part of the Data First programme, ADR UK's collaboration with MoJ.

Read more [adruk.org/news-publications/news-blogs/splink-free-software-for-probabilistic-record-linkage-at-scale/]

Funding opportunity coming soon: Using linked justice system administrative data to evaluate the impact of justice services

ADR UK will soon open applications for two Evaluation Fellows to carry out an ambitious 18-month project. The Fellows will co-design and deliver evaluations to establish the effectiveness of interventions in the justice system using linked administrative data. This is a jointly led opportunity between the Economic and Social Research Council (ESRC) and the Ministry of Justice (MoJ).

Read more [adruk.org/news-publications/news-blogs/funding-opportunity-coming-soon-using-linked-justice-system-administrative-data-to-evaluate-the-impact-of-justice-services/]

 Funding opportunity: ADR UK welcomes applications for probation and criminal justice system Research Fellowships

[NOW CLOSED] We are accepting applications for 12-month Research Fellowships to conduct analysis using the newly available probation and criminal justice system linked data to improve our understanding of experiences of the criminal justice system.

Read more [adruk.org/news-publications/news-blogs/funding-opportunity-adr-uk-welcomes-applications-for-probation-and-criminal-justice-system-research-fellowships/]

 Latest outputs from Data First are available to provide insight into the probation and criminal justice system

Accredited researchers can apply to use a new de-identified dataset from the probation system of England and Wales.

Read more [adruk.org/news-publications/news-blogs/latest-outputs-from-data-first-are-available-to-provide-insight-into-the-probation-and-criminal-justice-system/]

 Funding opportunity coming soon: Probation and criminal justice system linked dataset

[NOW CLOSED] ADR UK will soon be launching a funding opportunity for fellowship applications to conduct research using a new 'probation and criminal justice system linking dataset'.

Read more [adruk.org/news-publications/news-blogs/funding-opportunity-coming-soon-probation-and-criminal-justice-system-linked-dataset/]

 ADR UK Research Fellows: Ministry of Justice and the Department for Education linked datasets fellowships

ADR UK is funding five 12-month Research Fellowships to conduct analysis using the Ministry of Justice (MoJ)-Department for Education (DfE) linked dataset to understand links between childhood characteristics, educational outcomes, and offending.

Read more [adruk.org/our-work/browse-all-projects/adr-uk-research-fellows-ministry-of-justice-and-the-department-for-education-linked-datasets-fellowships-509/]

 Funding opportunity coming soon: Linked family court data

ADR UK will soon be launching a funding call for applications to conduct research using a new linked dataset consisting of the Ministry of Justice's (MoJ) Data First family court data and Cafcass' data.

Read more [adruk.org/news-publications/news-blogs/funding-opportunity-coming-soon-linked-family-court-data/]

Latest output from Data First is ready to provide insight into family court system

As of this week, accredited researchers can apply to use a new dataset linking de-identified data from the family court administrative system from England and Wales.

Read more [adruk.org/news-publications/news-blogs/latest-output-from-data-first-is-ready-to-provide-insight-into-family-court-system-472/]

ADR UK Research Fellows: The first users of the Data First magistrates' and Crown Court datasets

ADR UK is funding four Research Fellows for seven to 12 months to conduct analysis using the Data First magistrates' or Crown Court linked datasets, or a linking dataset enabling analysis of relationships between the two. Both datasets contain case and defendant level data on criminal court use between 2011 and 2020.

Read more [adruk.org/our-work/browse-all-projects/adr-uk-research-fellows-the-first-users-of-the-data-first-magistrates-and-crown-court-datasets-422/]

Criminal Courts and Prisons Linking Dataset becomes latest research-ready output of Data First

A new linking de-identified dataset is now available in the Office for National Statistics Secure Research Service for accredited researchers to apply to use.

Read more [adruk.org/news-publications/news-blogs/criminal-courts-and-prisons-linking-dataset-becomes-latest-research-ready-output-of-data-first-408/]

Prisoner custodial journey level dataset becomes third research-ready output of Data First

The de-identified dataset is now available in the Office for National Statistics Secure Research Service for accredited researchers to apply to use.

Read more [adruk.org/news-publications/news-blogs/prisoner-custodial-journey-level-dataset-becomes-third-research-ready-output-of-data-first-338/]

Funding opportunity: ADR UK welcomes applications for linked justice and education data Research Fellowships

[NOW CLOSED] ADR UK is accepting applications for 12-month

Research Fellowships to conduct analysis using the MoJ-DfE linked dataset.

Read more [adruk.org/news-publications/news-blogs/funding-opportunity-adr-uk-welcomes-applications-for-linked-justice-and-education-data-research-fellowships-335/]

ADR UK-funded MoJ team wins Analysis in Government Award

Splink, a cutting-edge, large-scale data linkage tool developed out of Data First has won the Methods Category of the Analysis in Government Awards 2020.

Read more [adruk.org/news-publications/news-blogs/adr-uk-funded-moj-team-wins-analysis-in-government-award-324/]

Linked data, longer Fellowships: scope of Data First call expanded

Our Research Fellowship Scheme – which funds individual researchers to analyse court data made available by the ground-breaking Data First partnership with the Ministry of Justice – is being expanded with the addition of linking data and longer Fellowships.

Read more [adruk.org/news-publications/news-blogs/linked-data-longer-fellowships-scope-of-data-first-call-expanded-286/]

Funding opportunity: ADR UK welcomes applications for magistrates' and Crown Court data Research Fellowships

[NOW CLOSED] ADR UK has launched an open call for applications for an initial six-month Research Fellowship scheme to conduct analysis using the magistrates' and/or Crown Court datasets.

Read more [adruk.org/news-publications/news-blogs/funding-opportunity-adr-uk-welcomes-applications-for-magistrates-and-crown-court-data-research-fellowships-269/]

How the Ministry of Justice is taking steps to get questions answered and improve the justice system

In this guest blog, Helen Miller-Bakewell from the Office for Statistics Regulation OSR celebrates Data First as an example of improvements seen in data linkage in the past five years.

Read more [adruk.org/news-publications/news-blogs/how-the-ministry-of-justice-is-taking-steps-to-get-questions-answered-and-improve-the-justice-system-273/]

Crown Court dataset becomes second output available to researchers as result of Data First

A de-identified, research-ready Crown Court dataset has been deposited into the SRS as a result of the Ministry of Justice's ADR UK-funded Data First programme. The dataset is now available to be accessed by accredited researchers.

Read more [adruk.org/news-publications/news-blogs/crown-court-dataset-becomes-second-output-available-to-researchers-as-result-of-data-first-268/]

Magistrates' court dataset is first product of Data First programme available to researchers

A de-identified, research-ready dataset on magistrates' court has been deposited into the SRS as a result of the Ministry of Justice's ADR UK-funded Data First programme. The dataset is now available to be accessed by accredited researchers.

Read more [adruk.org/news-publications/news-blogs/magistrates-court-dataset-is-first-product-of-data-first-programme-available-to-researchers-241/]

Expert academics appointed to guide and champion Data First

Introducing Academic Lead, Professor Andromachi Tseloni; Advisor and Champion, Professor Betsy Stanko OBE; and the Academic Advisory Group, all appointed to help the Ministry of Justice's Data First programme achieve its full potential.

Read more [adruk.org/news-publications/news-blogs/expert-academics-appointed-to-guide-and-champion-data-first-211/]

Crime in Context: Harnessing administrative data for better justice

Professor Betsy Stanko OBE, appointed External Champion and Advisor to Data First, outlines her background and explores the opportunities the Ministry of Justice project provides.

Read more [adruk.org/news-publications/news-blogs/crime-in-context-harnessing-administrative-data-for-better-justice-209/]

Introducing: Professor Andromachi Tseloni, Data First Academic Lead

Professor Andromachi Tseloni, appointed Academic Lead for Data

First, outlines her background and her ambitions for this pioneering Ministry of Justice project.

Read more [adruk.org/news-publications/news-blogs/introducing-professor-andromachi-tseloni-data-first-academic-lead-208/]

Introducing: Data First's Academic Advisory Group

Profiles of the Academic Advisory Group, a team of experts appointed to support, advise and challenge the Ministry of Justice's Data First project.

Read more [adruk.org/news-publications/news-blogs/introducing-data-firsts-academic-advisory-group-210/]

 ADR UK makes £3 million investment in MoJ data linkage for research to improve understanding of justice system

ADR UK has today announced a grant of almost £3 million to MoJ to harness the potential of administrative data from across the justice system.

Read more [adruk.org/news-publications/news-blogs/adr-uk-makes-pound3-million-investment-in-moj-data-linkage-for-research-to-improve-understanding-of-justice-system-170/]

 Harnessing the potential of linked administrative data for the justice system

Adrian Richards, Director of Data and Analytical Services at the Ministry of Justice (MoJ), discusses the value of Data First, a pioneering data linkage project announced today that aims to harness the potential of administrative data from across the justice system.

Read more [adruk.org/news-publications/news-blogs/harnessing-the-potential-of-linked-administrative-data-for-the-justice-system-168/]

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