

From: FOI
Sent: 08 April 2021 11:12
To:
Subject: Freedom of Information Request NCC-049446-20

Dear Requester

Thank you for your request for information about the previous or current uses of data analytics, predictive analytics, or algorithmic automated systems used for processing, risk assessment, scoring systems or automated decision making in Children's Services. You asked:

Please can you supply the following information:

- 1) Has the council used any data analytics, predictive analytics and or artificial intelligence systems to support children's service provision? If so, which?**
- 2) Is the council using any data analytics, predictive analytics and or artificial intelligence systems to support children's service provision? If so, which?**
- 3) Is the council intending to use data analytics, predictive analytics and or artificial intelligence systems to support children's service provision? If so, which?**
- 4) Details of any briefing notes, reports, or summaries relating to the use or potential use of data analytics, predictive analytics and or artificial intelligence systems to support children's service provision.**
- 5) Any meeting minutes, reports or presentation materials on the efficacy or impact of data analytics, predictive analytics and or artificial intelligence systems to support children's service provision.**
- 6) Details of any third-party consultants or suppliers of data analytics, predictive analytics or artificial intelligence systems including any contracts, memoranda of understanding, or other agreements (which may include but not exclusively data sharing agreements) By data analytics we mean the processing of families' data to draw conclusions about the information it contains and to uncover patterns and insights from it. This may be via computer packages or dashboards. By predictive analytics, we mean using families' data to create predictive models that can be used for risk assessment, scoring systems or to inform decision-making. By artificial intelligence/algorithmic automated systems we mean the process of using families' data to develop systems that make decisions by automated means. This includes tasks normally requiring human intelligence, such as speech recognition and decision-making. By children, we include all those 0-18 years old By children's service provision we include information relating to all services the local authority provides for children and families, including children's social care, education and learning, early years services, youth services and youth offending teams.**

We are now able to provide the following information in response to your request

We collect a broad range of data and information on the children and young people we support and who are in our care. This information is collated through the use of a data warehouse which feeds a range (over 150) of self-service reports and dashboards (using Microsoft BI Stack). These are available to workers, managers and senior managers within the service. allowing them to monitor the capacity of the services, ensure consistency in the provision of support and to monitor progress against required timescales. In depth analysis is then undertaken on any anomalies or areas of concern and to highlight improvements in performance.

This information also feeds a range of management information reports and committee reports ensuring senior managers and members have an oversight of the service in order to fulfil their responsibilities.

Currently we only use predictive analytics in two areas:

- To identify cohorts eligible for support through the Government's Troubled Families Programme following the guidance laid out in the programme.
- To forecast the likely demand on the Multi Agency Safeguarding Hub during the Covid 19 pandemic.

We have not procured any specialist systems or software to undertake this work and currently have no plans to do so.

Please find below a link to the committee report which established the Performance, Intelligence and Policy Team and explains the teams role in managing data, and undertaking analysis, research and intelligence:

<https://www.nottinghamshire.gov.uk/dmsadmin/Document.ashx?czJKcaeAi5tUFL1DTL2UE4zNRBcoShgo=0Wcbh%2b2LpXIPNqI4PohqQckZBUay8pZGGUjULNSMZPLESwdMG5J9Q%3d%3d&rUzwRPf%2bZ3zd4E7Ikn8Lyw%3d%3d=pwRE6AGJFLDNlh225F5QMaQWCtPHwdhUfCZ%2fLUQzgA2uL5jNRG4jdQ%3d%3d&mCTIbCubSFfXsDGW9IXnl%3d%3d=hFflUdN3100%3d&kCx1AnS9%2fpWZQ40DXFvdEw%3d%3d=hFflUdN3100%3d&uJovDxwdjMPoYv%2bAJvYtyA%3d%3d=ctNJff55vVA%3d&FgPIIEJYlotS%2bYGoBi5oIA%3d%3d=NHdURQburHA%3d&d9Qjj0ag1Pd993jsyOJqFvmyB7X0CSQK=ctNJff55vVA%3d&WGewmoAfeNR9xqBux0r1Q8Za60lavYmz=ctNJff55vVA%3d&WGewmoAfeNQ16B2MHuCPMRKZMwaG1PaO=ctNJff55vVA%3d>

Please also find below a link to the recent report to committee which updates committee on the development of a Strategic Insight Unit and the redevelopment of the Performance Team:

<https://www.nottinghamshire.gov.uk/dmsadmin/Document.ashx?czJKcaeAi5tUFL1DTL2UE4zNRBcoShgo=hbSVDLfscXeTzx76zA7auZbsJvReDZdXLeBx29sFxVDPqD%2fKtGYyg%3d%3d&rUzwRPf%2bZ3zd4E7Ikn8Lyw%3d%3d=pwRE6AGJFLDNlh225F5QMaQWCtPHwdhUfCZ%2fLUQzgA2uL5jNRG4jdQ%3d%3d&mCTIbCubSFfXsDGW9IXnl%3d%3d=hFflUdN3100%3d&kCx1AnS9%2fpWZQ40DXFvdEw%3d%3d=hFflUdN3100%3d&uJovDxwdjMPoYv%2bAJvYtyA%3d%3d=ctNJff55vVA%3d&FgPIIEJYlotS%2bYGoBi5oIA%3d%3d=NHdURQburHA%3d&d9Qjj0ag1Pd993jsyOJqFvmyB7X0CSQK=ctNJff55vVA%3d&WGewmoAfeNR9xqBux0r1Q8Za60lavYmz=ctNJff55vVA%3d&WGewmoAfeNQ16B2MHuCPMRKZMwaG1PaO=ctNJff55vVA%3d>

I hope that you find this information to be helpful, however if you are unhappy with the way in which your request has been handled, then please email us at foi@nottsc.gov.uk quoting the reference NCC-049446-20 and we will be happy to review your request

With kind regards

Complaints & Information Team
Chief Executives Department
Nottinghamshire County Council
0115 9772788

www.nottinghamshire.gov.uk