

15/08/2023

NN-ICB/23/391

Dear Requestor

RE: Freedom of Information Request

With reference to your request for information I can confirm in accordance with Section 1 (1) of the Freedom of Information Act 2000 that we do hold the information that you have requested. A response to each part of your request is below.

In the request you asked:

Specifically in relation to data infrastructure and business intelligence used by the ICB would you please be able to answer the following:

- What is your current Data Warehousing infrastructure and solution? Specifically, is this on-prem or cloud based?

MS SQL Server. This is currently on premises.

- What are the primary visualisation tools used within your ICB for locally developed intelligence (e.g. Qlik, Power BI, Tableau, Excel)? Accessing any nationally developed tools should be excluded for the purposes of this question.

Standard Microsoft software, Power BI, Excel R, JavaScript Tabulator and HighCharts.

- Are any open-source programming languages used to produce local intelligence within your ICB (e.g. R, Python, Javascript)?

Yes.

- Are there any other proprietary tools used by the ICB to support their data infrastructure and business intelligence offering? If so can you please list these with a brief description of what they are used for.

No.

- Are there any planned changes within the next year to tools used to support the data infrastructure and business intelligence solutions used by the ICB?

No.

If you are unhappy with the way in which your request has been handled, NHS Nottingham and Nottinghamshire Integrated Care Board (ICB) have an internal review procedure through which you can raise any concerns you might have. Further details of this procedure can be obtained by contacting Lucy Branson, Associate Director of Governance via lucy.branson@nhs.net or by writing to FOI Team at NHS Nottingham and Nottinghamshire ICB, Sir John Robinson House, Sir John Robinson Way, Arnold, Daybrook, Nottingham, NG5 6DA.

If you remain dissatisfied with the outcome of the internal review, you can apply to the Information Commissioner's Office (ICO), who will consider whether the organisation has complied with its obligations under the Act and can require the organisation to remedy any problems. Generally, the ICO cannot make a decision unless you have exhausted the complaints procedure provided by NHS Nottingham and Nottinghamshire ICB. You can find out more about how to do this, and about the Act in general, on the Information Commissioner's Office website at: <https://ico.org.uk/for-the-public/>

Complaints to the Information Commissioner's Office should be sent to:

FOI/EIR Complaints Resolution, Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF. Telephone 0303 123 1113 or report a concern via <https://ico.org.uk/concerns/>

Yours sincerely

Freedom of Information (FOI) Officer on behalf of *NHS Nottingham and Nottinghamshire Integrated Care Board*

notts.foi@nhs.net

All information we have provided is subject to the provisions of the Re-use of Public Sector Information Regulations 2015. Accordingly, if the information has been made available for re-use under the [Open Government Licence \(OGL\)](#) a request to re-use is not required, but the license conditions must be met. You must not re-use any previously unreleased information without having the consent of NHS Nottingham and Nottinghamshire Integrated Care Board. Should you wish to re-use previously unreleased information then you must make your request in writing (email will suffice) to the FOI Lead via notts.foi@nhs.net. All requests for re-use will be responded to within 20 working days of receipt.