

Date: Tuesday, 25th February 2020  
Our Ref: MB/SS FOI 4244

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**Re: Freedom of Information Request FOI 4244**

We are writing in response to your request submitted under the Freedom of Information Act, received in this office on 06th February 2020.

Your request was as follows:

For the following questions, we understand data analytics technology to mean software that aggregates and analyses data to identify patterns and deliver insights.

1. Does your data analytics software have the following capabilities:

- Machine learning
- Artificial intelligence
- Conversational interaction e.g. natural language interface
- Open APIs
- Mobile application
- Near real time analysis
- Interactive dashboards
  
- Machine learning - Yes
- Artificial intelligence - Yes
- Conversational interaction e.g. natural language interface - Yes
- Open APIs - Yes
- Mobile application - Yes
- Near real time analysis - Yes
- Interactive dashboards - Yes

2. Please confirm whether data analytics technology is used in the following ways at your hospital:



- To access near real-time patient flow information
- To forecast demand and resources required
- To identify population health patterns and risk stratification
- To manage purchasing levels of medical supplies
- To inform patient diagnosis
- To inform the creation of clinical pathways
- To inform resource and recruitment

- To access near real-time patient flow information - Yes
- To forecast demand and resources required - Yes
- To identify population health patterns and risk stratification - No
- To manage purchasing levels of medical supplies - Yes
- To inform patient diagnosis - Yes we would use to display real time data and some algorithms, but we would not use for complex analysis or Artificial Intelligence.
- To inform the creation of clinical pathways - Yes - We use data in BI dashboards to show trends / variation, GIRFT and Rightcare data etc, ModelHospital
- To inform resource and recruitment - No

3. Does your data analytics solution provide alerts for the following:

- Performance and compliance metrics
- Key operational issues, e.g. emergency department demand
- Performance and compliance metrics - Yes
- Key operational issues, e.g. emergency department demand - Yes

4. Across how many different systems does your hospital hold data?

- 1-10
- 20-50
- 50-100
- 100-300

o 300+

o 100-300

Please see our response above in [blue](#).

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If you are dissatisfied with the handling of your request, you have the right to ask for an internal review. Internal review requests should be submitted within two months of the date of receipt of the response to your original letter and should be addressed to the Freedom of Information Office at the address above.

**Please remember to quote the reference number, FOI 4244 in any future communications.**

If you are not content with the outcome of the internal review, you have the right to apply directly to the Information Commissioner for a decision. The Information Commissioner can be contacted at: Information Commissioners Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF.

Yours sincerely

*Mike Burns*

**Mr. Mike Burns, Executive Lead for Freedom of Information**