

Northern Lincolnshire and Goole NHS  
Diana Princess of Wales Hospital  
Scartho Road  
Grimsby  
DN33 2BA

Dear Sirs

**Staff Lottery**

You approached us regarding an independent re-validation of the lottery scheme software created by Keyzo IT Solutions with an aim to validate that it is fit for purpose in ensuring that winners are randomly selected.

On 6<sup>th</sup> June 2017 we undertook a review of the software code and supporting systems that run the lottery. Our work was designed to ensure that:

- a. Appropriate randomise functions are utilised during the operation of the lottery.
- b. The code reviewed held an appropriate unique identifying code (a hash).
- c. That hash is available to you and that you can use this code to independently review the software at each operation to ensure that there have been no amendments to the files.

We can, following the above work undertaken, re-confirm that:

- a) The software written for the lottery picks random winners via the random function within the industry standard database engine (MySQL).
- b) The software for the selection of lottery winners is self-contained.
- c) That self-contained file is represented by a suitable unique identifier (the hash) from which any changes to the software can be identified.
- d) You have a mechanism to ensure that you can compare the current hash code against the signed and witnessed copy, thereby allowing you to confirm that there have been no changes to the software.

Yours Faithfully

