

Date: **24 May 2019**

Our reference: **FOIRQ5148**

Dear Sir/Madam,

Thank you for your request for information processed under the Freedom of Information Act 2000. Please see our response to your request below:

Your Request

I would welcome your feedback on the following:

- 1. How many children do you provide upper limbs rehabilitation to every month?*
- 2. What training tools / systems do you currently use for children upper limbs rehabilitation?*
- 3. Who is/are your supplier(s)?*
- 4. What are the limitations with current upper limbs rehabilitation tools / systems (not engaging, not fun, expensive, not suitable for home, no evidence)?*
- 5. Is there a need for the new virtual reality upper limbs rehabilitation tool described above? Please explain*
- 6. If yes which specific group of patients could benefit?*
- 7. Who provides funding for this type of children rehabilitation tool?*

Our Request for Clarification

Please can you clarify the following points:

- Can you please verify the time period for which you would like the information to cover, e.g. the last 3 – 6 months.

Your Response to Our Request for Clarification

I would welcome the most up to date data, and an average over the last 6 months or 12 months, whichever is available.

Our Response

Great Ormond Street Hospital for Children NHS Foundation Trust (the 'Trust') is a single site, specialist tertiary paediatric trust. The information you have requested falls within the remit of occupational therapy and physiotherapy. We have responded to your following questions under the headings 'Occupational Therapy' and 'Physiotherapy'.

1. *How many children do you provide upper limbs rehabilitation to every month?*

Occupational Therapy: We see approximately 10 in-patients for regular hand and upper limb rehabilitation per month. We do not centrally record this information. See note below**

Physiotherapy: The number of children having input, including UL, varies with type of admission as we have no dedicated rehabilitation beds. We do not centrally record this information. See note below**

Please note: **The Trust does not centrally record the information requested to confirm the number of patients. We would have to conduct a search of hundreds of records relating to patients, who have been seen by therapies across the Trust. We have sampled one record, which has taken at least 10 minutes to review just the notes within the record. The amount of time we have estimated to review the record fully would be at least 30 minutes; which means to search hundreds of patient records would certainly exceed the 18 hours cost limit to identify, locate and extract the information under Section 12 (cost Limit) of the Freedom of Information Act (FOIA) 2000.

Section 12(1) of the FOIA allows the Trust to refuse an FOI request where the cost of compliance is estimated to exceed the appropriate limit. The appropriate limit for the purposes of section 12 is defined by The Freedom of Information and Data Protection (Appropriate Limit and Fees) Regulation 2004 SI 2004 No 3244 ('Fees Regulation').

The appropriate cost limit under regulation 3 of the Fees Regulation for the Trust is £450. The Fees Regulation also states that all authorities should calculate the time spent on the permitted activities at the flat rate of £25 per person, per hour. This means that the appropriate limit will be exceeded if it would require more than 18 hours' work for the Trust to carry out the following activities in complying with the request:

- locating the information, or a document containing it;
- retrieving the information, or a document containing it; and
- extracting the information from a document containing it.

2. *What training tools / systems do you currently use for children upper limbs rehabilitation?*

Occupational Therapy

Neurotech avivastim

Theraband

Theraputty

Weights

Functional activities

Games: Throwing; Connect 4; Table Tennis and more

Physiotherapy: We use a range of interventions including a recent addition of the MIRA rehabilitation system. This is a VR system based on the Xbox connect sensor. We are trialing 2 systems at GOSH as part of a service evaluation in conjunction with UCL Partners. Activities and exercises include the upper and lower limbs

3. *Who is/are your supplier(s)?*

Occupational Therapy: Neurotech supply the avivastim; the other tools are widely available from therapy suppliers or high street shops.

Physiotherapy: MIRA

4. *What are the limitations with current upper limbs rehabilitation tools / systems (not engaging, not fun, expensive, not suitable for home, no evidence)?*

Occupational Therapy: Must be latex free

Physiotherapy: Recent PPI focus group with young people- GOSH patients- suggested the system was user friendly and engaging but there are practical implications associated with use on an acute ward in a busy environment. We would be happy to discuss further with clinicians

5. *Is there a need for the new virtual reality upper limbs rehabilitation tool described above? Please explain*

Occupational Therapy: Yes. A small one is required that can be taken into small cubicles with children, who have infections or are at risk of catching infections.

Physiotherapy: We do not have a dedicated UL rehab service but recognise the advantage of similar systems in adult stroke rehabilitation and are currently evaluating the use and efficacy/benefit in an acute setting

6. *If yes which specific group of patients could benefit?*

Occupational Therapy: Children from aged 5 onwards with neuro conditions and fatigue related to the illness.

Physiotherapy: The children and young people we have targeted are the longer stay patients with medical conditions that require prolonged periods of hospitalisation, for example, haematology/oncology. The children need to be cooperative, have sufficient concentration to engage with the activities and to find the activities appropriately challenging both mentally and physically

7. *Who provides funding for this type of children rehabilitation tool?*

Occupational Therapy: The Trust or the charity associated with the Trust.

Physiotherapy: We are currently using the device as part of a service evaluation funded by a grant from UCL partners OLS.

Please note:

The information provided under the Freedom of Information Act 2000 is the information held on the date the request was received by the Trust.

I trust the information provided is sufficient and helps to answer any concerns, questions or issues you may have.

If you should have any further queries related to this request, please do not hesitate to contact the FOI Team. Please ensure that the above reference number is quoted on any correspondence.

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Yours sincerely

Freedom of Information team

Great Ormond Street Hospital for Children NHS Foundation Trust

Email: foiteam@gosh.nhs.uk

[Enclosed – Your rights – see next page]

Your Rights

If you are not dissatisfied with the response you have received to your request for information, please contact the FOI team and quote your reference number on all correspondence relating to your request.

You can also write to the Head of Quality & Safety at the following address:

Quality & Safety team
Great Ormond Street Hospital
LONDON
WC1N 3JH

If you are still not satisfied with your response, you also have the right to appeal to the Information Commissioner.

You can contact the Information Commissioner's Office at the following address:

Information Commissioner's Office
Wycliffe House
Water Lane
Wilmslow
Cheshire
SK9 5AF