



# Outcomes Measures Report 2021/22

Blackheath Brain Injury Rehabilitation Centre (BBIRU)

## Blackheath Brain Injury Rehabilitation Centre (BBIRU) is a 39 bed specialist hospital for brain injury and neurological rehabilitation.

The Blackheath Brain Injury Rehabilitation Centre comprises two NHS England funded units:

Thames Brain Injury Rehabilitation Unit (TBIRU) (1c) and Heathside Neurodisability Unit (HNDU) (2a).



### TBIRU Level 1c

This service is for individuals with cognitive and/or behavioural impairments following a brain injury or as a result of a neurological condition. It is suitable for patients, who on assessment, could benefit from an intensive period of neurological rehabilitation and cognitive behavioural management from a highly skilled inter-disciplinary team.



### HNDU Level 2a

This service is suitable for individuals who require specialist inpatient rehabilitation and have ongoing active physical therapy needs.

## UKROC

The UK Rehabilitation Outcomes Collaborative (UKROC) database, set up in 2008, is a national clinical database which collects key information about any patient admitted to all Level1/2A specialist rehabilitation unit in England.

The UK ROC publishes its data quarterly and this report summarises some key measures for Blackheath Brain Injury Rehabilitation Centre. The report compares progress made by Blackheath patients upon admission and then on discharge. The data is for the period 2021 to 2022.

## Understanding the data

At Blackheath we take a holistic view of the patient with regard to their rehabilitation. UK ROC measure how people with brain injury improve under our care by looking at physical (motor) and cognitive gain. There are two measures of functional gain that do this:

- The Functional Independence Measure (FIM) is an 18 item measure of disability with each item being scored between one and seven. This measures how able a patient is physically.
- The Functional Assessment Measure (FAM) enhances FIM with an additional 12 items also scored between one and seven looking largely at cognitive and psychosocial function.

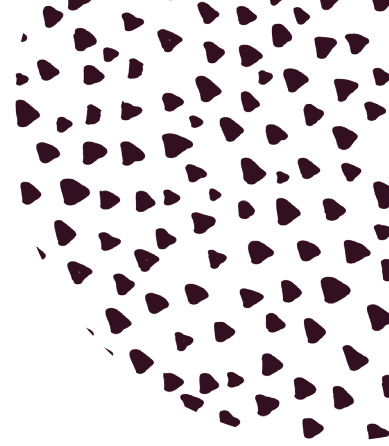
With both elements of FIM/FAM a higher score indicates greater independence and less disability.





## Patient Complexity (RCS)

The UK ROC Rehabilitation Complexity Scale (RCS) provides an overall measure of a patient's care, nursing, therapy and medical needs from admission to discharge. Lower scores represent a reduction in complexity of needs. Blackheath's data shows that the complexity of need is reduced from admission to discharge in both units.



TBIRU

Admission

12.3



Discharge

9.4



HNDU

Admission

12.2



Discharge

10.8





## Improvement in cognitive functioning (FAM)

The Functional Assessment Measure (FAM) enhances FIM with an additional 12 items also scored between one and seven looking largely at cognitive and psychosocial function. A higher score indicates greater independence and less disability. Blackheath's data shows that the improvement of cognitive functioning increased from admission to discharge in both units.



TBIRU

Admission

58



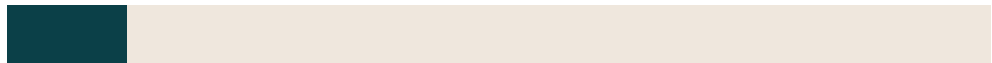
Discharge

69.6



Gains made

11.6



HNDU

Admission

62.9



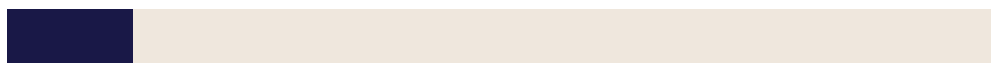
Discharge

75.7



Gains made

12.8





## Improvement in motor functioning (FIM)

The Functional Independence Measure (FIM) is an 18 item measure of disability with each item being scored between one and seven. This measures how able a patient is physically. A higher score indicates greater independence and less disability. Blackheath's data shows that the improvement of motor functioning increased from admission to discharge in both units.



TBIRU

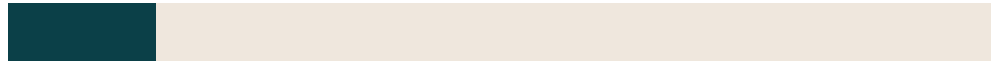
Admission 80.6



Discharge 95.6



Gains made 15



HNDU

Admission 52



Discharge 77

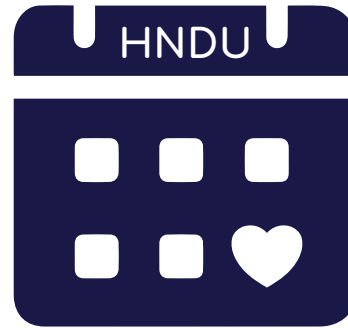
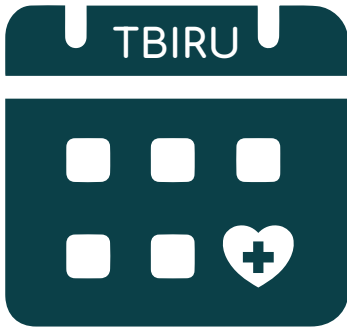
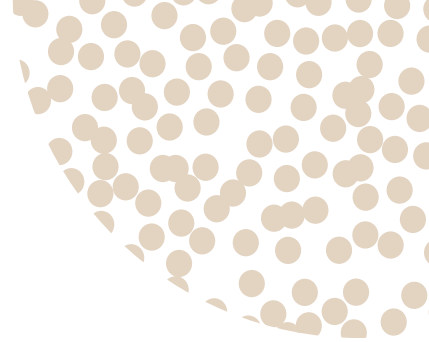


Gains made 25



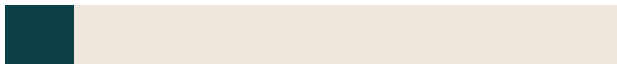


# Key performance indicators



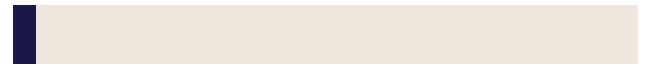
## Episode length of stay

Mean length of stay (days)	101
% Episode >180 days	11.1



## Episode length of stay

Mean length of stay (days)	70
% Episode >180 days	3.6



## Response times (days)

Mean referral to assessment	11
Mean assessment to admission	30
Mean referral to admission	27

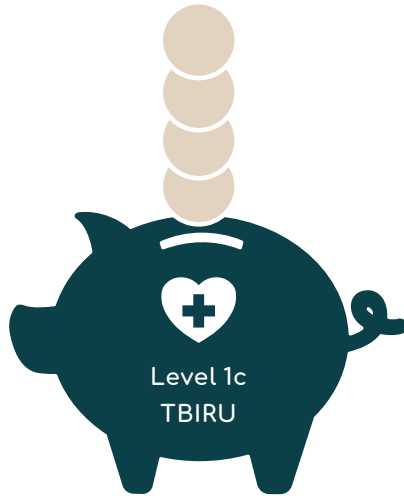
## Response times (days)

Mean referral to assessment	4
Mean assessment to admission	12
Mean referral to admission	15



## Does Blackheath reduce the ongoing cost of care?

UK ROC measures the cost of care for patients on admission and at discharge. It then calculates the savings. On average, on-going weekly care costs are £369 less per week after treatment at Blackheath for our Level 1c service and £569 for our Level 2a service.



**£369**

Saved per week

£1039 Mean cost of care per week on admission  
£643 Mean cost of care per week on discharge  
£396 Mean saving cost per week



**£569**

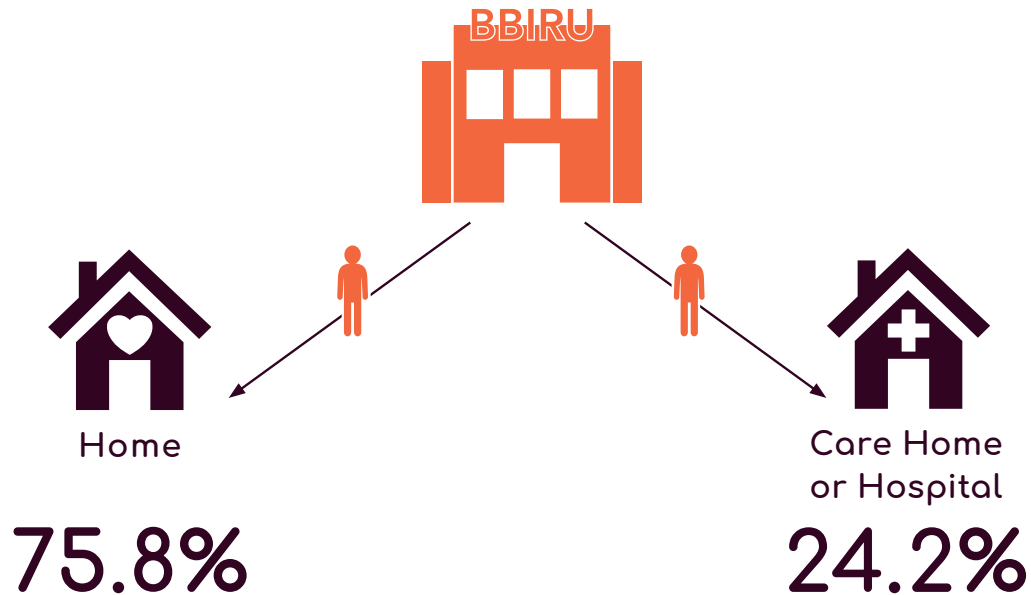
Saved per week

£1797 Mean cost of care per week on admission  
£1185 Mean cost of care per week on discharge  
£569 Mean saving cost per week



## Discharge destination

In 2021-22 over half our patients were discharged home either to independent living or with a package of care.



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