

Neuro-oncology Prehabilitation Service

Update Dec 2023



Rosie Humphreys, Clinical specialist
Occupational Therapist

Charly Moran, Clinical specialist
Physiotherapist

Maddy Farrow, Clinical specialist Speech
and Language Therapist

Update

- Maddy Farrow (SLT) has joined the team
- 1st year of data received from BNSSG Dashboard
- Presented to the Trust Board 28/9/23 and at the AHP Day conference 12/10/23
 - Nominated for an AHP award: *Team who have made a real difference*
- Carly's and Connor's stories are two different patient experiences; one prior to prehab and one who accessed the prehab service

Service Impact

1. Reduced Length of Stay (LOS)
 - Mean saving is 1.5 days, statically significant
2. Improved patient experience
 - EQ5D data
 - Patient stories
3. Reduced burden on outpatient services
4. Reduced A&E attendances within 90 days of elective discharge
5. Yearly cost savings:
 - 277 Bed days released = £96,673 cost saved to NBT

Data at a glance

	prehab	notprehab	
elective admissions: brain	119	586	
mean elective LoS: brain	4.4	5.9	Prehab Significantly Lower
Outpatient Appointments within a year of elective discharge	1372	8405	
Outpatient Appointments per elective admission	11.5	14.3	Prehab Significantly Lower
% DNA Outpatient Appointments within a year of elective discharge	2.0%	1.8%	No Significant Difference
A&E Attendances within 90 days of elective discharge	15	89	
A&E Attendances within 90 days of elective discharge, per 1000 elective discharges	126.05	151.88	No Significant Difference

Length of stay

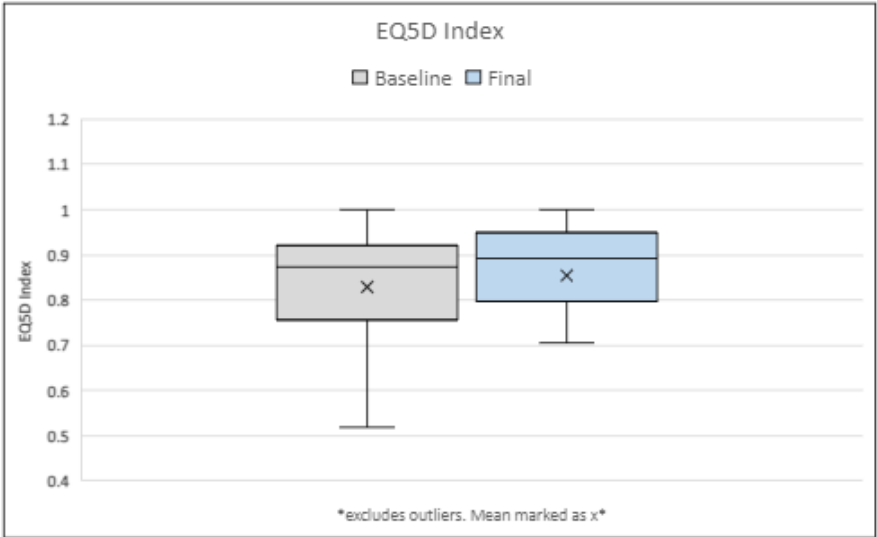
Key Elective Inpatient Spells & Procedures

Procedure Code Procedure Description		Inpatient Overnight Treatment Spells				
		number of Spells		Mean Length-of-Stay (days)		Difference in LoS
		Prehab	NotPrehab	Prehab	NotPrehab	
A021	Excision of lesion of tissue of frontal lobe of brain	39	168	4.9	5.4	No Significant Difference
A022	Excision of lesion of tissue of temporal lobe of brain	29	118	3.7	6.0	Prehab Significantly Lower
A023	Excision of lesion of tissue of parietal lobe of brain	16	85	4.3	5.2	No Significant Difference
A025	Excision of lesion of tissue of cerebellum	6	51	5.4	6.4	No Significant Difference
A024	Excision of lesion of tissue of occipital lobe of brain	7	38	3.0	4.0	Prehab Significantly Lower
A028	Other specified excision of lesion of tissue of brain	9	30	4.6	9.7	Prehab Significantly Lower
A081	Biopsy of lesion of tissue of frontal lobe of brain NEC	2	13	1.5	3.5	No Significant Difference
A041	Open biopsy of lesion of tissue of frontal lobe of brain	3	11	1.3	3.5	Prehab Significantly Lower
A042	Open biopsy of lesion of tissue of temporal lobe of brain	0	7	no admits	4.4	No Significant Difference
A026	Excision of lesion of tissue of brain stem	0	6	no admits	20.5	No Significant Difference

Outpatient appointments

	Outpatient Appointments				
	Appointments		Apps per elective spell		difference
	Prehab	NotPrehab	Prehab	NotPrehab	
Clinical Oncology Service	582	3447	4.89	5.88	Prehab Significantly Lower
Medical Oncology Service	214	2088	1.80	3.56	Prehab Significantly Lower
Neurosurgical Service	214	1222	1.80	2.09	Prehab Significantly Lower
Clinical Psychology Service	52	353	0.44	0.60	No Significant Difference
Physiotherapy Service	130	173	1.09	0.30	Prehab Significantly Higher
Speech And Language Therapy Service	74	150	0.62	0.26	Prehab Significantly Higher

EQ5D – Quality of life data



EQ5D – Quality of life data

Usual Activities	EQ5D Stage	
	Baseline	Final
% - With No Problems	41.8%	56.4%
% - Slight Problems	40.0%	23.6%
% - Moderate Problems	10.9%	12.7%
% - Severe Problems	7.3%	7.3%
% - Unable to do usual activities		

Anxiety/Depressed	EQ5D Stage	
	Baseline	Final
% - Not Anxious or Depressed	32.7%	56.4%
% - Slightly Anxious or Depressed	40.0%	29.1%
% - Moderately Anxious or Depressed	25.5%	14.5%
% - Severely Anxious or Depressed	1.8%	
% - Extreme Anxious or Depressed		

Patient Story

Carly

Patient Story

Connor

Next steps

- The NBT business planning round (24/25) has commenced, neuro oncology prehabilitation request has been submitted for permanent funding. Given the current financial challenges it is very uncertain if this service will be prioritised for investment.
 - Investment required: for 1.3 whole time equivalent B7 AHP workforce (£77K)
 - Service will close 31/8/24 if substantive funding is not confirmed
- Impact to the region if prehab service closes:
 - Reduced patient quality of life
 - Increased length of hospital stay
 - Increased number of OP appointments required
 - Reduction in patient satisfaction and possible increase in post-op distress

Questions?