

# APPENDIX 4: UKROC DATA ANALYSIS – SUMMARY BY PROVIDER

## Unit by unit analysis of compliance 2013–2015

Name	Standard 2013–2015																Outcome measures recorded**			
	N=3155	N=3155	N=3281	N=2279*	N=3281	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=2185	RCS v12	FIM+FAM	NPDS	
																	Wait for assessment ≤ 10 days	PCAT tool complete	Wait for admission ≤ 6 weeks	Rates of tool completion
	Total	Mean age	Mean LOS	% met	% met*	% met	RCS admission	RCS discharge	FIMFAM admission	FIMFAM discharge	NPDS admission	NPDS discharge	GAS	% met	% met	% met	% complete	% complete	% complete	
<b>Hyper-acute service</b>																				
Lipton Hyper Acute Rehabilitation Unit, The Walton Centre – Liverpool Network	37	42.8	81.4	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.5	86.5	0.0	86.5	100.0	84.4	100.0	100.0	86.5
Trauma Rehab Unit, Acute Neuro Rehabilitation, Salford	189	49.1	27.5	33.2	4.5	98.3	73.0	74.6	76.7	91.5	36.0	45.5	0.0	76.2	100.0	2.1	71.4	72.5	36.0	
Regional/Hyperacute Rehabilitation Unit, Northwick Park Hospital	67	35.7	112.4	74.6	100.0	92.5	100.0	100.0	98.5	97.0	100.0	100.0	83.6	94.0	100.0	100.0	100.0	97.0	100.0	
<b>Level 1a Tertiary: Physical Disability</b>																				
Colman Centre for Specialist Rehabilitation, Norfolk	53	51.6	92.9	59.3	72.2	98.1	98.1	98.1	92.5	90.6	96.2	94.3	47.2	90.6	100.0	94.1	98.1	90.6	94.3	
Oxford Centre for Enablement	22	44.7	83.1	59.1	95.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.0	95.5	100.0	100.0	100.0	100.0	100.0	
Ward C2 – Acute Neuro Rehabilitation, Salford Royal	61	48.3	117.0	32.8	27.5	75.0	67.2	83.6	88.5	82.0	75.4	83.6	0.0	77.0	100.0	0.0	62.3	73.8	75.4	
Regional/Hyperacute Rehabilitation Unit, Northwick Park Hospital	67	35.7	112.4	74.6	100.0	92.5	100.0	100.0	98.5	97.0	100.0	100.0	83.6	94.0	100.0	100.0	100.0	97.0	100.0	
Neuro-Rehabilitation Unit, Walkergate Park Centre for Neurorehabilitation and Neuropsychiatry	63	39.5	105.0	61.9	100.0	98.4	100.0	100.0	100.0	98.4	54.0	49.2	0.0	74.6	100.0	44.3	100.0	98.4	42.8	
Brain Injury Unit, Leicester	95	53.0	35.0	97.2	100.0	98.2	100.0	100.0	98.9	98.9	97.9	97.9	0.0	94.7	100.0	96.6	100.0	97.9	97.9	
The Royal Hospital for Neurodisability, Putney	75	43.1	163.2	41.0	82.7	71.8	100.0	100.0	100.0	100.0	97.3	92.0	36.0	74.7	98.7	50.8	100.0	100.0	97.3	
<b>Level 1b Tertiary: Mixed (physical disability &amp; cognitive behavioural)</b>																				
Preston Fell View Neuro-Rehabilitation Unit	18	42.2	186.4	66.7	100.0	81.0	100.0	100.0	100.0	100.0	83.3	88.9	0.0	94.4	100.0	70.6	100.0	100.0	83.3	
Regional Neurological Rehabilitation Unit, Homerton	39	41.7	111.7	27.5	100.0	67.5	100.0	94.9	94.9	97.4	89.7	82.1	0.0	92.3	100.0	76.9	94.9	92.3	76.9	
Walton Centre, Complex Rehab Unit (formerly NRU) – Liverpool Network	51	45.1	78.9	90.2	100.0	96.1	100.0	100.0	96.1	96.1	92.2	96.1	0.0	94.1	100.0	90.2	100.0	96.1	92.2	
Ward 8 & 9, Moseley Hall Hospital, Birmingham	141	49.2	70.4	60.8	100.0	93.0	100.0	100.0	98.6	98.6	100.0	98.6	27.6	92.9	100.0	99.2	100.0	98.6	100.0	

Unit by unit analysis of compliance 2013–2015 (continued)

Name	Standard 2013–2015																Outcome measures recorded**					
			2.1	2.2	2.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.6	RCS v12	FIM+FAM	NPDS			
			Wait for assessment ≤ 10 days	PCAT tool complete	Wait for admission ≤ 6 weeks	Rates of tool completion											Evidence of gain	Discharge destination recorded	Cost-efficiency recorded			
			N=3155	N=3155	N=3281	N=2279*	N=3281	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=2185	N=3155	N=3155	N=3155		
	Total	Mean age	Mean LOS	% met	% met*	% met	RCS admission	RCS discharge	FIMFAM admission	FIMFAM discharge	NPDS admission	NPDS discharge	GAS	% met	% met	% met	% complete	% complete	% complete			
The Royal Leamington Spa Rehabilitation Hospital	90	42.3	124.9	47.9	100.0	88.3	98.9	98.9	98.9	95.6	95.6	96.7	0.0	86.7	100.0	92.4	97.8	95.6	95.6			
Frenchay Brain Injury Rehabilitation Centre	119	43.0	94.5	62.9	95.3	93.5	98.3	94.1	96.6	89.9	49.6	48.7	0.0	85.7	93.3	34.7	94.1	88.2	34.4			
<b>Level 1c Tertiary: Cognitive Behavioural</b>																						
Lishman Brain Injury Unit	18	43.4	120.4	26.3	92.9	57.9	100.0	94.4	100.0	88.9	94.4	88.9	0.0	72.2	100.0	83.3	94.4	88.9	94.4			
Blackheath Brain Injury Rehabilitation Centre – TBIRU unit	2	46.0	161.5	50.0	no cases	50.0	100.0	100.0	100.0	50.0	100.0	100.0	0.0	50.0	100.0	100.0	100.0	50.0	100.0			
Neurobehavioural Unit, Walkergate Park Centre for Neurorehabilitation and Neuropsychiatry	35	47.5	128.5	37.8	100.0	97.3	88.6	100.0	97.1	100.0	48.6	62.9	0.0	77.1	100.0	42.9	88.6	97.1	48.6			
<b>Level 2a Supra District</b>																						
Intermediate Neuro-rehabilitation Unit, Manchester Royal Infirmary	38	51.7	142.3	81.6	100.0	81.6	100.0	100.0	100.0	100.0	100.0	100.0	0.0	97.4	100.0	100.0	100.0	100.0	100.0			
Neuro-rehabilitation Unit, UCLH	13	43.0	46.8	30.8	100.0	61.5	100.0	92.3	100.0	84.6	69.2	61.5	0.0	84.6	100.0	46.2	92.3	84.6	69.2			
Specialist Neuro-Rehab Unit, Leicester	30	51.3	50.3	96.8	94.4	100.0	100.0	100.0	100.0	93.3	100.0	96.7	0.0	96.7	100.0	96.6	100.0	93.3	96.7			
Blackheath Brain Injury Rehabilitation Centre – HNDU unit	2	73.0	105.5	50.0	100.0	100.0	100.0	100.0	50.0	50.0	100.0	100.0	0.0	100.0	100.0	100.0	100.0	50.0	100.0			
Salford Royal – Ward L7/B3/B4	14	48.0	41.7	41.2	100.0	81.2	100.0	100.0	85.7	78.6	64.3	78.6	0.0	71.4	100.0	0.0	100.0	64.3	64.3			
Dorset Brain Injury Unit, Poole	38	50.4	67.3	76.9	100.0	92.3	97.4	86.8	89.5	92.1	84.2	78.9	0.0	94.7	94.7	70.3	86.8	84.2	84.2			
Portsmouth Phoenix Rehab Centre	36	46.3	66.6	91.7	100.0	97.2	100.0	100.0	77.8	75.0	100.0	100.0	0.0	91.7	100.0	97.2	100.0	72.2	100.0			
Plym Neuro Rehab Unit	69	51.5	61.3	88.6	100.0	98.6	100.0	100.0	100.0	97.1	100.0	98.6	40.6	98.6	100.0	100.0	100.0	97.1	100.0			
Thomas Young Ward, Wolfson Neuro-rehabilitation Centre	46	49.5	85.1	78.3	96.4	95.7	100.0	100.0	100.0	97.8	58.7	69.6	0.0	93.5	100.0	54.3	100.0	97.8	58.7			
Sussex Rehabilitation Centre	98	60.6	55.0	5.8	9.0	88.3	91.8	85.7	77.6	77.6	64.3	70.4	0.0	81.6	85.7	57.7	84.7	76.5	64.3			
Ashby Rehab Unit, Lincoln	32	55.8	63.4	81.8	100.0	84.8	100.0	100.0	96.9	96.9	100.0	100.0	0.0	96.9	100.0	100.0	100.0	96.9	100.0			
North Staffordshire Rehab Centre	91	43.6	87.5	92.7	100.0	95.8	100.0	98.9	100.0	98.9	98.9	96.7	0.0	93.4	98.9	96.6	98.9	98.9	96.7			
Osborn Unit, Sheffield	53	48.4	47.0	30.9	100.0	85.5	98.1	90.6	98.1	96.2	79.2	58.5	0.0	92.5	100.0	57.7	90.6	96.2	56.6			
<b>Level 2b Local</b>																						
Kings Lodge Neuro Rehab Unit, Derby	59	58.6	81.4	67.2	92.1	93.7	100.0	96.6	93.2	84.7	44.1	44.1	0.0	78.0	93.2	39.0	96.6	81.4	44.1			
Department of Rehabilitation Medicine, Airedale	10	65.3	41.2	18.2	33.3	90.9	60.0	50.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	50.0	0.0	0.0			
Barnsley Neuro Rehab Unit	102	53.4	43.7	75.7	0.0	99.1	99.0	95.1	99.0	97.1	84.3	82.4	0.0	90.2	100.0	81.6	94.1	96.1	82.4			

Unit by unit analysis of compliance 2013–2015 (continued)

Name	Standard 2013–2015															Outcome measures recorded**							
			2.1	2.2	2.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.5	3.6	RCS v12	FIM+FAM	NPDS				
			Wait for assessment ≤ 10 days	PCAT tool complete	Wait for admission ≤ 6 weeks	Rates of tool completion												Evidence of gain	Discharge destination recorded	Cost-efficiency recorded			
	N=3155	N=3155	N=3281	N=2279*	N=3281	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=2185	N=3155	N=3155	N=3155				
Total	Mean age	Mean LOS	% met	% met*	% met	RCS admission	RCS discharge	FIMFAM admission	FIMFAM discharge	NPDS admission	NPDS discharge	GAS	% met	% met	% met	% complete	% complete	% complete					
Specialist Rehabilitation Unit, Ward 5, Broadgreen Hospital – Liverpool Network	61	56.5	66.1	98.4	100.0	93.7	100.0	100.0	100.0	93.4	100.0	96.7	0.0	96.7	100.0	96.7	100.0	93.4	100.0				
West Kent Neuro Rehabilitation Unit	12	44.2	93.7	33.3	83.3	75.0	100.0	100.0	100.0	91.7	58.3	25.0	0.0	91.7	100.0	16.7	100.0	91.7	16.7				
Hume Neuro Rehabilitation Unit, Sunderland	24	59.0	55.2	63.0	18.2	88.9	95.8	95.8	95.8	91.7	95.8	91.7	0.0	87.5	100.0	91.7	91.7	91.7	91.7				
Linden Lodge Neuro-rehabilitation	121	52.5	59.2	87.9	97.8	98.4	100.0	100.0	99.2	97.5	99.2	97.5	0.0	98.3	99.2	97.5	100.0	97.5	97.5				
North Cumbria University Hospitals	23	49.6	51.2	96.3	92.3	96.3	95.7	95.7	87.0	87.0	95.7	100.0	0.0	78.3	100.0	90.9	91.3	82.6	95.7				
Alderbourne Rehabilitation Units, Hillingdon	61	55.8	74.5	93.4	96.0	98.4	100.0	100.0	91.8	90.2	98.4	90.2	11.5	91.8	100.0	87.7	100.0	90.2	88.5				
The Floyd Unit	41	60.5	99.1	16.7	85.7	92.9	100.0	97.6	80.5	65.9	100.0	92.7	0.0	80.5	97.6	92.1	97.6	63.4	92.7				
Lewin & J2 Neurorehabilitation Service, Cambridge	19	44.6	59.2	80.0	73.3	85.0	94.7	78.9	89.5	68.4	84.2	73.7	0.0	68.4	100.0	63.2	78.9	68.4	63.2				
Robertson Rehabilitation Unit	23	59.1	62.3	87.0	100.0	95.7	100.0	100.0	100.0	95.7	100.0	100.0	95.6	95.7	100.0	100.0	100.0	95.7	100.0				
Leeds RRU	57	49.4	86.4	20.7	47.2	75.8	100.0	98.2	98.2	93.0	100.0	94.7	0.0	93.0	82.5	94.7	98.2	93.0	94.7				
Pinderfields	21	50.2	61.0	71.4	84.6	100.0	100.0	100.0	57.1	57.1	100.0	100.0	0.0	85.7	100.0	100.0	100.0	57.1	100.0				
Neurorehabilitation, Royal Berkshire	33	46.0	75.4	9.1	0.0	81.8	90.9	93.9	81.8	39.4	0.0	0.0	0.0	36.4	100.0	0.0	87.9	39.4	0.0				
Donald Wilson House	28	55.7	62.5	96.4	95.7	100.0	100.0	100.0	96.4	92.9	96.4	92.9	0.0	92.9	100.0	89.3	100.0	89.3	89.3				
Snowdon Neurological Rehabilitation Unit, Solent NHS Trust	56	62.2	34.3	53.3	46.2	61.7	94.6	94.6	87.5	89.3	87.5	85.7	0.0	94.6	100.0	80.4	92.9	80.4	80.3				
Devonshire Neurorehabilitation Centre, Stockport	23	52.7	98.5	73.9	100.0	95.7	100.0	95.7	100.0	95.7	95.7	95.7	0.0	95.7	100.0	91.3	95.7	95.7	95.7				
Somerset Neurological Rehabilitation Centre (SNRC), Taunton	49	56.0	58.4	9.8	0.0	13.7	89.8	91.8	87.8	85.7	77.6	81.6	0.0	91.8	100.0	75.5	83.7	79.6	77.6				
Ward42, Neuro-Rehabilitation Unit, UHCW	22	45.0	38.7	81.8	0.0	90.9	100.0	95.5	90.9	90.9	86.4	59.1	0.0	86.4	100.0	59.1	95.5	90.9	59.1				
Clatterbridge Rehabilitation Centre	26	51.7	90.3	73.1	100.0	80.8	100.0	100.0	84.6	84.6	65.4	69.2	0.0	88.5	100.0	57.7	100.0	76.9	65.4				
West Park Rehabilitation Medicine	8	41.4	42.8	77.8	0.0	100.0	100.0	75.0	87.5	62.5	50.0	37.5	0.0	50.0	100.0	37.5	75.0	62.5	37.5				
Taylor Rehab Services	60	55.4	73.2	75.8	55.8	98.4	100.0	100.0	98.3	96.7	100.0	100.0	1.6	96.7	100.0	100.0	100.0	95.0	100.0				
Royal Free Neurological Rehabilitation Centre (formally Marie Foster Centre)	52	59.5	45.3	74.5	88.1	100.0	98.1	100.0	92.3	94.2	96.2	96.2	86.5	94.2	100.0	94.2	98.1	92.3	96.2				
James Cook Neurorehabilitation Unit Ward 26	78	43.0	44.8	67.9	56.0	92.3	100.0	97.4	100.0	84.6	100.0	96.2	0.0	96.2	100.0	96.2	97.4	84.6	96.2				
Albany Rehabilitation Unit – UCLH	5	66.2	44.0	100.0	33.3	100.0	100.0	100.0	100.0	80.0	80.0	80.0	0.0	80.0	100.0	60.0	100.0	80.0	80.0				
Mardon Neuro-Rehabilitation Centre – Exeter	18	48.9	86.6	38.9	86.7	55.6	100.0	94.4	100.0	94.4	94.4	94.4	0.0	88.9	100.0	94.4	94.4	94.4	94.4				

## Unit by unit analysis of compliance 2013–2015 (continued)

Name	Standard 2013–2015																Outcome measures recorded**			
	N=3155	N=3155	N=3281	N=2279*	N=3281	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=3155	N=2185	RCS v12	FIM+FAM	NPDS	
																	Wait for assessment ≤ 10 days	PCAT tool complete	Wait for admission ≤ 6 weeks	Rates of tool completion
	% met	% met*	% met	RCS admission	RCS discharge	FIMFAM admission	FIMFAM discharge	NPDS admission	NPDS discharge	GAS	% met	% met	% met	% complete	% complete	% complete				
Total	Mean age	Mean LOS																		
Specialist Rehabilitation Unit, Elyn Lodge, St Helens Hospital – Liverpool Network	64	51.0	61.6	100.0	100.0	98.5	100.0	100.0	100.0	100.0	100.0	96.9	96.9	0.0	98.4	100.0	93.7	100.0	100.0	96.9
Gwynne Holford Ward, Queen Mary's Hospital, Roehampton	9	56.8	68.9	55.6	100.0	77.8	100.0	100.0	100.0	100.0	100.0	100.0	77.8	0.0	100.0	100.0	77.8	100.0	100.0	77.8
Frank Cooksey Rehabilitation Unit, Orpington	19	46.8	107.8	71.4	93.8	95.2	100.0	94.7	100.0	100.0	68.4	68.4	0.0	100.0	100.0	63.2	94.7	100.0	68.4	
Rakehead Rehabilitation Centre	38	42.2	153.1	75.0	100.0	77.5	100.0	100.0	86.8	84.2	97.4	94.7	57.9	86.8	100.0	91.7	100.0	84.2	97.4	
East Kent Neuro-Rehab	59	59.6	69.5	53.2	87.9	95.2	100.0	96.6	91.5	89.8	100.0	98.3	0.0	84.7	100.0	98.2	96.6	89.8	100.0	
Bradley Unit, Woking Community Hospital	22	56.2	70.3	77.3	84.6	90.9	100.0	100.0	95.5	90.9	45.5	40.9	0.0	95.5	100.0	36.4	100.0	90.9	36.4	



PCAT: Patient Categorisation Tool

RCS: Rehabilitation Complexity Scale

FIMFAM: UK Functional Assessment Measure

NPDS: Northwick Park nursing Dependency Score

NPCNA: Northwick Park Care Needs Assessment

GAS: Goal Attainment Scaling

\* % PCAT tool completeness based on 2014–2015 data

\*\* % RCS, FIMFAM, NPDS completeness based on total admission and discharge values

2013 – 2015: Trauma population N=3281; trauma rehabilitation population N=3155; efficiency population N=2185 (See table 12.10)

Salford and UCLH have low cost-efficiency data recorded due to missing information on NPCNA

The Unit at Northwick Park Hospital includes hyper-acute beds but the analysis cannot process them separately