

Research Workstream

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British Association of Neonatal Neurodevelopmental Follow Up. BAPM Special Interest Group



Aim

- * Support and develop research related to neurodevelopmental follow up



Objectives



Provide expertise and guidance for research projects



Collaborations with research teams



Participate in research projects



Develop future research in key priority areas



Post opportunities of available research

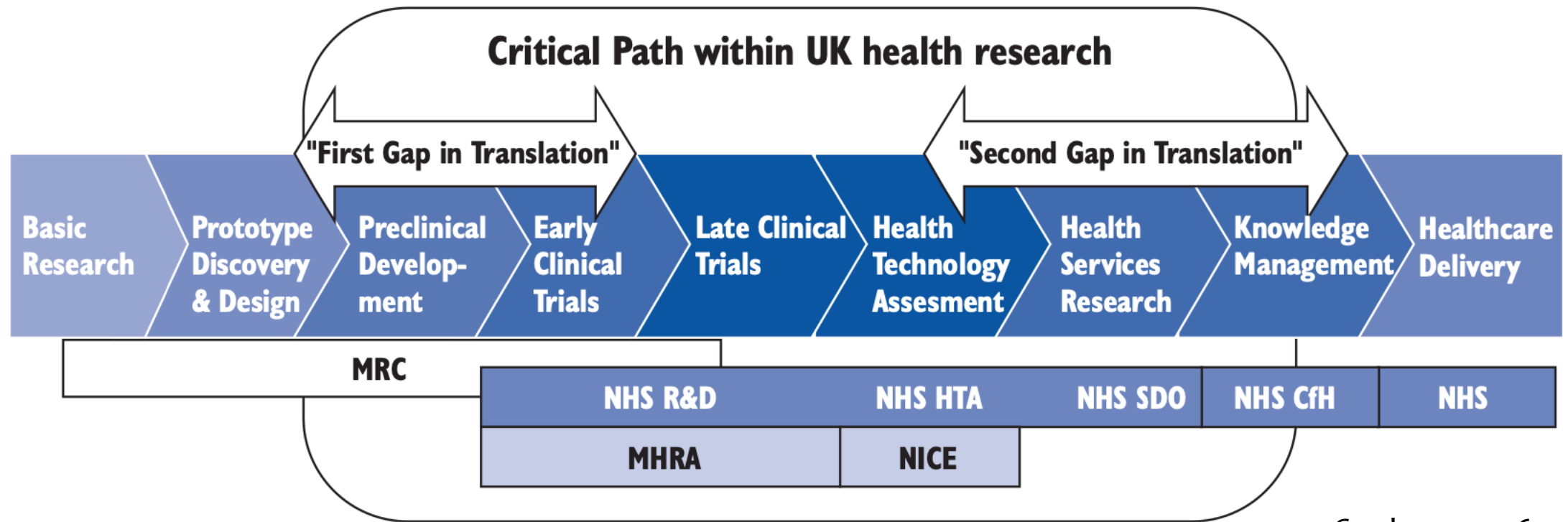


Disseminate research

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Cooksey 2006

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Collaborations/Advice

- * Advice on follow up for suspected or confirmed COVID-19 patients
- * Feedback on BAPM framework on therapeutic hypothermia for HIE

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Service Evaluation- Healthcare Delivery

Introduction of PARCA-R questionnaire into routine developmental follow up (NICE NG 72)

Aim:

- * Evaluate completion rate of the PARCA-R questionnaire
- * Identify areas for improvement

2 centres: Addenbrookes, Watford Hospitals

Result:

- * Compliance for completion of questionnaire 77-92%
- * Increase number completed at clinic appointment
- * Dedicated staff needed for follow up (administrative, clinical)

Future:

Compare the outcome data obtained by PARCA-R and Bayley-III assessments

H Young, A D'Amore- Addenbrookes Hospital

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Service Evaluation- Healthcare Delivery

Parent Feedback on New Ways of Working

* https://www.surveymonkey.com/r/PARCA_R

‘We are evaluating our developmental services and the PARCA- R questionnaire to improve the service we provide and family experience. We would appreciate if you could help us by completing this form’

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Knowledge Management Research

Early prediction of outcome

- * Early detection of cerebral palsy in high-risk infants: Translation of evidence into practice in an Australian hospital

A King et al, J of Ped & Child Health 2020

- * PrechtI vs MRS in HIE

Accepted at EAPS 2020, K Mackinnon et al, UCLH

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3.2 Case Study Two

Improvements to 2 year follow up assessments for at risk neonates in a district general hospital setting: meeting metrics vs improving quality of assessments

Presented by: Dr Sankara Narayanan (Consultant Neonatologist & NNAP lead)
Dr Nazakat Merchant (Consultant Neonatologist & Lead for High Risk Neonatal Follow-up Programme), Sarah Beasley (Paediatric Physiotherapist), Bhavani Sivakumar (Badgernet data analyst) Pauline Southernwood (Clinic coordinator)

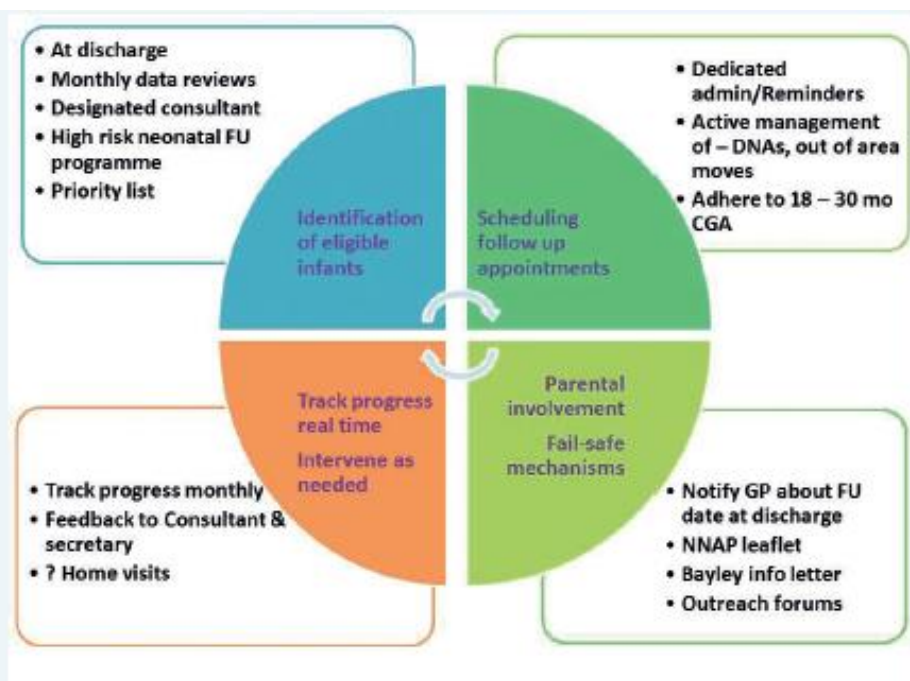


Figure 2: Key issues/solutions that emerged during brainstorming sessions.

Watford General Hospital (LNU)			
	Eligible babies	Assessed	%
2013	16	11	69
2014	25	20	80
2015	29	29	100
2016	19	17	89
2017 (till date)	20	20	100

	2013	2014	2015	2016	2017
Bayley assessment done (18-24 mo)	0	0	8 (28 %)	7 (37 %)	15 (75 %)
Bayley assessment (> 30 mo)	0	0	0	2 (10 %)	0
Standard clinic 2 yr follow up	11 (69%)	17 (68 %)	18 (62 %)	0	0
No data/DNA	5 (31 %)	5 (20 %)	0	2 (10 %)	1(5 %)
Died	0	0	0	1 (5 %)	0
Moved out of area	0	3 (12 %)	3 (10 %)	7 (37 %)	4 (20 %)

Future Developments

- * Do you have ideas, expertise, would like support/collaborate?
- * Is BANNFU aware of music therapy in neonatal care and its long-term effects on neurodevelopmental outcomes, BANNFU interested?
- * Neuroprotective therapy: PHVD, prematurity (melatonin), HIE (cooling plus trial)

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