Supplementary material 8: Stakeholder Activity 6b: Research

recommendations

1. Aim				
Task aim	To reach consensus on the top priorities for future research relating to			
Tusk unn	perceptual problems after stroke.			
2. Methods				
Who was	Lived Experience Group n=3, Clinical Expert Group n=4, Research team			
involved?	$n=\frac{89}{2}$ (two research team members chose not to take part in this activity)			
When was	A consensus activity was carried out by email in February 2022. This			
the	occurred after the generation of research gaps (Activity 6s). This is			
involvement	considered as involvement during Stage 10-11, interpretation of findings.			
?				
What	An email was sent to all stakeholders. The stakeholders were presented with the list of key research gaps relating to percentual impairment in stroke (fr			
happened?	the list of key research gaps relating to perceptual impairment in stroke (from Activity 6a). Each of the general research gaps were listed, with a written			
	description of what that topic covers. The research gaps circulated were only			
	those relating broadly to perceptual problems, and not those which relating to			
	specific senses. There were a total of 9 general research gaps. Stakeholders			
	were asked to rank these from 1-9, where 1 is the most important area for			
	more research, and 9 least important. As a prompt, stakeholders were given			
	the introductory statement: "A good way to think of it is to imagine you had			
	£500,000 for a project – what would you want to spend it on?"			
	These were reworded slightly to ensure clarity of meaning (see chapter 8)			
Level of	The aim was that stakeholders contributing to this task would control the final			
involvement	review, having reached a shared consensus on the prioritisation of research			
?	gaps.			
3. Results				
Outcomes—	The original prioritised list of research gaps and summed scores:			
Report the	RankResearch Gap			
results of stakeholder	(summed			
involvement	score)			
in the study,				
including	1 Research to explore the lived experiences of stroke survivor			
both positive and negative	(45) and carers			
outcomes	This includes			
	• Exploring their experiences and the impact of perceptual			
	problems on daily lives			
	• exploring their awareness and understanding of their			
	perceptual problem			
	• finding what is most important to stroke survivors and care			
	identifying what support services they need			
L				

	exploring long term impact
2	Research to enhance robust assessment of perceptual
(53)	problems following stroke
(55)	problems following stroke
	This includes
	 what is the best way to assess perception, including amongst subpopulations who have other impairments, such cognitive (thinking) or communication impairments or other illnesses? what is the best way of distinguishing between perceptual problems and other problems (e.g. sensory, cognitive)? do perceptual problems impact on function (such as everyday skills)? If so, how do they impact on function and to what
	extend do they impact on function?
	• exploring the assessments done as part of clinical practice and outcome measures assessed for research studies, including their relevance, validity and reliability
3	Research that explores interventions in a way that reflects
(57)	real world needs (for stroke survivors and clinicians)
	This includes
	 using or creating outcome measures (of effectiveness) that reflect stroke survivors' priorities exploring interventions currently in use, or readily accessible
	• exploring interventions currently in use, or readily accessible to clinicians
	• exploring intervention / service costs
	 explore feasibility, acceptability and sustainability includes all relevant populations, and considers co-
	morbidities
4	Research to determine interventions currently delivered for
(73)	perceptual disorders
. /	This includes exploring
	• what is 'usual care' provided to stroke survivors with perceptual problems?

	• what interventions are currently delivered in the 'real world',
	and what is the nature of these interventions?
	• what is the nature of current long-term care for people with
	perceptual problems?
5	Research to establish the prevalence of perceptual problems
(79)	following stroke
	This includes
	• finding the frequency (prevalence) of perceptual problems
	after a 1 st stroke
	• finding the frequency of perceptual problems after a 2 nd or subsequent stroke
	 exploring patterns of natural recovery, including long term recovery
	• exploring the relationship between perceptual problems and other stroke-related impairments
6	Research to explore current care delivery and pathways,
(81)	across NHS, social care and charities
	This includes
	• who is providing care?
	• what care/services are provided?
	• when and where are care/services provided?
	• when and how are referrals to specialists made?
	• are there clear pathways and plans for care for perceptual problems?
	• what is the acceptability of care delivery to stroke survivors
	and carers?
7	Research to explore the impact of perceptual impairment on
(86)	the family and carers
	This includes
	• what is the impact on children of stroke survivors
	• What do family members <u>provide</u> by way of support for
	individuals with perceptual problems?
	• What is the impact on family members and carers of
	providing support to individuals with perceptual problems
	e.g. caregiver strain, depression, quality of life
8	Research to establish best ways of providing teaching /
(97)	ensuring adequate knowledge and understanding of
(\mathcal{I})	cusuring aucquaic knowledge and understanding of

		professionals (including those working in health and social care,		
		and in charity/3 rd sector organisations)		
	9	Research to establish a clear definition of perception		
	(101)			
		This may include work to determine clear definitions and names		
		(terms) for perceptual disorders		
4. Discussion	& oppolycior			
4. Discussion Outcomes—				
Comment on	The research team and stakeholder groups were able to create a clear list of			
the extent to	research priorities, via an email-based ranking process. This is a key output of			
which	this project			
stakeholder	We estimate that the level of stakeholder involvement contribution for this meeting			
involvement	We estimate that the level of stakeholder involvement contribution for this meeting was at the <i>controlling</i> level.			
influenced				
the study				
overall.				
Describe				
positive and				
negative				
effects				
5. Reflections	/ critical pers	spective		
Comment		anking process appeared to work well, with a good rate of return.		
critically on	One stroke survivor struggled to understand how to prioritise – what things			
the study,	she should consider to be able to assign a rank – and advice was given via			
reflecting on	email. Further advice could have been added to support Clinical Expert			
the things		bers in this exercise.		
that went	r			
well and	Some resear	rchers did not take part, as they felt their role was primarily		
those that		rical, and their input was not relevant to the very clinical nature of		
did not, so	the question			
others can				
learn from				
this				
experience				