



Why is aphasia information important?

- One of the most commonly reported goals of people with aphasia was that of obtaining information (n = 50)
- Information about stroke and aphasia was needed to:
- \rightarrow access services,
- → explain their difficulties to others,
- To bring about a feeling of reassurance, and a sense of being able to understand and accept what has happened. (Parr, Byng, Gilpin, & Ireland, 1997)
- Informational support has also been found to be significantly associated with better health related quality of life (HRQoL) for people with aphasia. (Hilari & Northcott, 2006)



Health information needs of people with aphasia are not currently being met

- 100% of stroke patients without aphasia recalled obtaining information from health professionals. However, only 60% of stroke patients with aphasia reported obtaining information. (Eames, McKenna, Worrall & Read, 2003)
- Health professionals spent less time communicating health information to people who had aphasia compared to people who had a stroke but did not have aphasia. (Knight, Worrall & Rose, 2006)
- Written health materials are not sufficiently modified to suit the reading ability of people with aphasia. (Aleigay, Worrall & Rose, 2008)

Information accessibility:

Multifaceted

- Availability
- Obtainability
- Dialogue between health professionals and people living with aphasia
- Accuracy
- Appropriateness:
 - \rightarrow content
 - $\rightarrow \mbox{ timing}$
 - \rightarrow media
 - \rightarrow format _



- For written stroke and aphasia information to be optimally effective it needs to be:
 - ✓ provided at an appropriate time, and
 - \checkmark in a format that the recipient welcomes and can understand.

The aim of this research was to explore these components of health education for people with aphasia.























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Rationale for study: Evidence base needed for text-formatting

Many guidelines based:

- professional opinion (Hoffmann & Worrall, 2004)
- principles from document design, learning theory, advertising, and literacy research (Buxton, 1999)
 - ... rather than consultation with the target audience.

"the production of accessible information is hampered by lack of evidence, research based or otherwise, about 'what works'..." (p. 40, Townsley, Rodgers, & Folkes, 2003).

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HHHHHH7 HHHHHH 37- item face-to-face questionnaire (n = 40) Including numerous graphics in written stroke and aphasia 4 4 Audio recorded - spontaneous comments transcribed verbatim information? 87.5 % (n = 35) Helpful Rose, T.A., Worrall, L.E., Hickson, L.M., & Hoffmann, T.C. (2012). Design preferences of people with aphasia for written stroke and aphasia information. International Journal of Offensive 12.5% (n = 5) Speech-Language Pathology. 14(1), 11-23. ightarrow participants who were offended by pictures tended to have more severe reading difficulties Childish 40.0% (n = 16) The primary aim was to obtain preferences for specific design characteristics - e.g., ightarrow "Oh well when you get like this it doesn't matter what whether it's childish or not if you 1) the representation of numbers can read. If you can work out what it is, if it's childish or otherwise doesn't matter ... 2) font size and type Embarrassing 35.0% (n = 14) → "...that be very nice to do [include numerous graphics] but in front of another people line spacing showing this would be...yes [embarrassing] because they know...cuckoo." 4) graphic type in stroke and aphasia PEMs Some participants expressed their dislike for the Picture Communication Symbols[™] (PCS) \rightarrow "I think the pictures are dreadful...Oh I don't like them!...No I don't think they would be



very helpful...I'd feel yuck...as the pictures are I hate them."



Reasons why to include numerous graphics in PEMs

"I mean you know the pictures probably liven up."

"Now this see, I can understand that. It's got pictures

"...with this pictures as well then it's much easier ...

"I know the photos...I read the photos. I read the photos."

"Don't have to read it. All the information is in the pictures so

- A systematic approach is needed as some participants reported:
- $\rightarrow\,$ receiving mass amounts of written information, but no stroke or aphasia information
- $\rightarrow\,$ not knowing who had provided the information \rightarrow therefore difficult to follow up information needs
- Provide option of written stroke and aphasia information in acute care → individual preferences i.e.,
 - $\rightarrow\,$ approx $^{1\!/}_{3}$ of participants considered this information helpful in the first week
 - $\rightarrow~$ others wanted this information for later reference
 - ightarrow some wanted this information for their significant others
 - → others did not want this information as they were too unwell, and/or were denying their stroke and aphasia.



1HHHHHH

1. makes information interesting

4. makes information easier to read

5. makes information quicker to read

2. helps with understanding

helps with reading

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Guiding principles for the provision of stroke and aphasia PEMs for people with aphasia

Emphasis and document type:

- · use bold text, headings, and borders to emphasise key points
- use distinctive headings that link to the content
- use documents that are portable
- avoid the use of gloss paper
- be aware that PEMs with multiple fold sections may be difficult for people who have a hemiparesis to open

Colour and graphics:

- · use for graphics and to denote sections if possible, but use black for text
- · include graphics
 - check preferences for the inclusion of graphics and preferences for graphic
 - type, particularly for people with more severe reading difficulties
- ensure all graphics relate to the text and are labeled

When considering these guiding principles...

- no one set of principles will ever fully meet the needs of all people with
 aphasia
- research findings useful to guide health professionals in the provision and design of stroke and aphasia of PEMs to people with aphasia, but:
 - $\rightarrow\,$ should not replace the involvement of people with aphasia in the production and evaluation of these documents
- written information can only truly be considered to be 'aphasia friendly' if the recipient with aphasia deems it so



