Two types of reading problems in aphasia

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An accessible version of:

Two types of phonological reading impairment in stroke aphasia

• People with Aphasia often have a reading problem called Alexia



• This study found **two types** of Alexia caused by **different brain damage**



• The first reading problem results from damage to a **motor speech area** in the brain (left frontal lobe)



- Damage to the motor speech area makes reading unfamiliar words hard (like 'mub')
- This suggests that sounding out new words relies on motor memories



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 The second reading problem results from brain damage that disconnects the hearing and speaking brain areas (left parietal lobe)



- Disconnecting memories of hearing and speaking makes reading all words hard, including familiar words like 'tub' and unfamiliar words like 'mub'
- This study helps us understand the different ways people with aphasia struggle with reading



• Speech therapy targeting motor speech and linking hearing and speaking memories may help people with aphasia read better