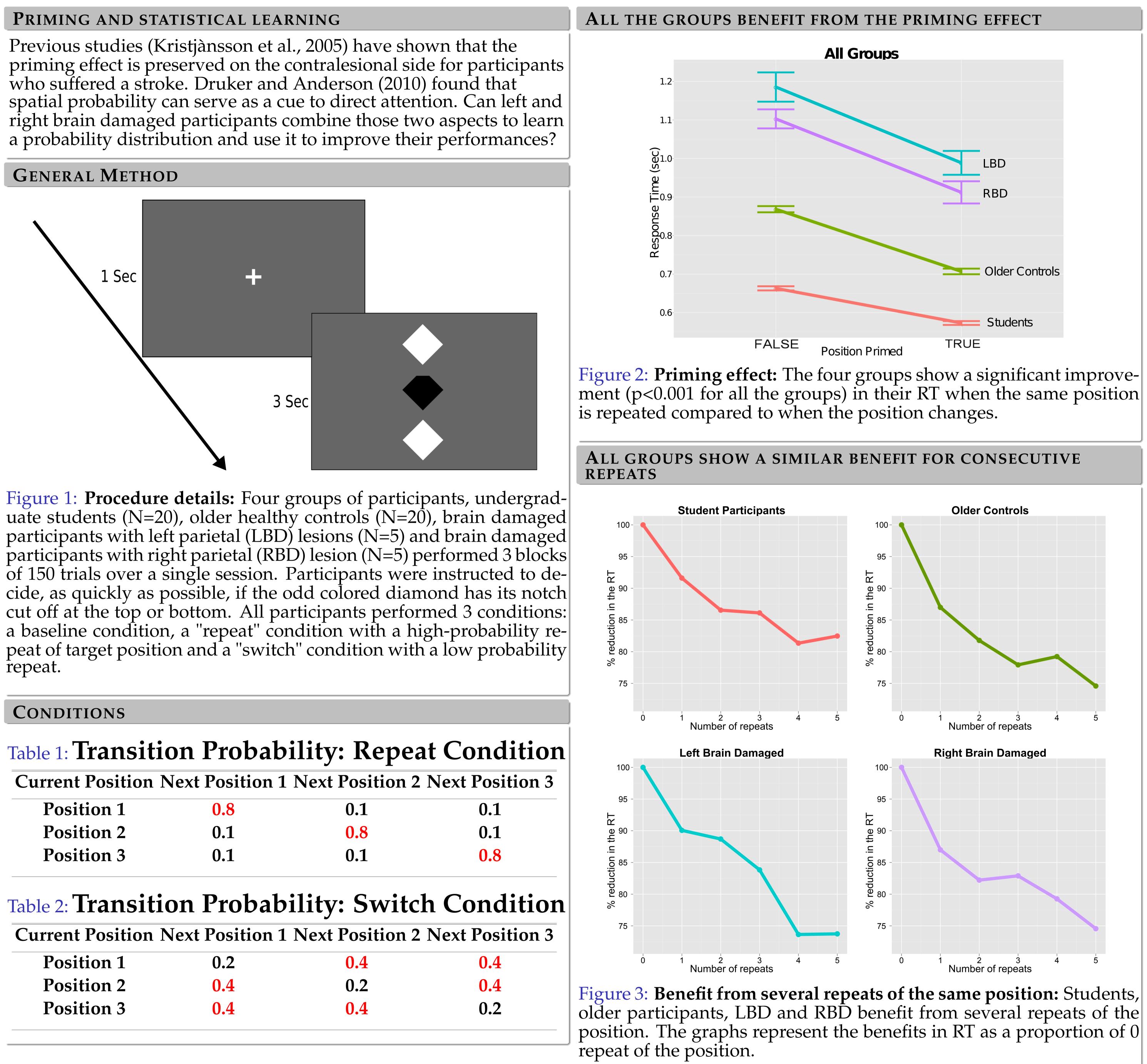


PRIMING AND STATISTICAL LEARNING





repeat.

CONDITIONS

Table 1: Transition]	Probab	oility:	Repeat	C
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Position 1	0.8	0.1
Position 2	0.1	0.8
Position 3	0.1	0.1

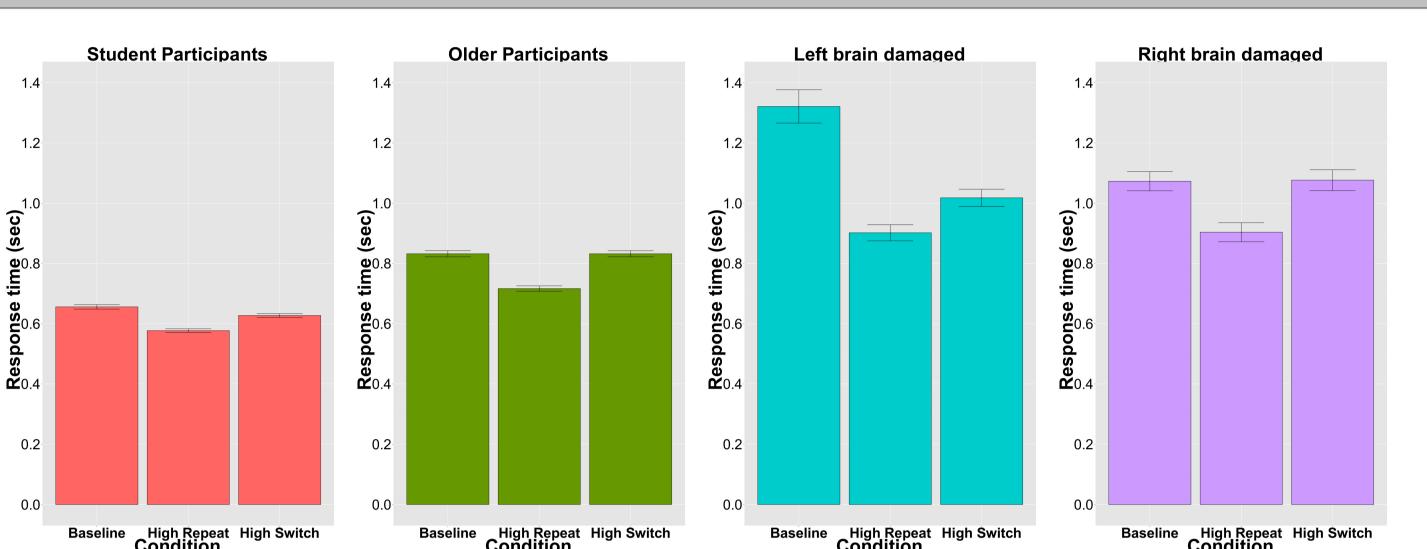
Table 2: Tr	ansition	Proba	bility:	Switch	C

Position 1	0.2	0.4	
Position 2	0.4	0.2	
Position 3	0.4	0.4	

Priming and Statistical Learning Act as Cues to Direct Attention Albulena Shaqiri¹ Britt Anderson^{1,2}

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THE HIGH REPEAT CONDITION



High Repeat High Switch

Figure 4: **RT for each condition:** The four groups are all faster to detect targets during the high repeat condition compared to the two other conditions. All demonstrated a p<0.001. Is this benefit due to priming or the learning of the statistical distribution?

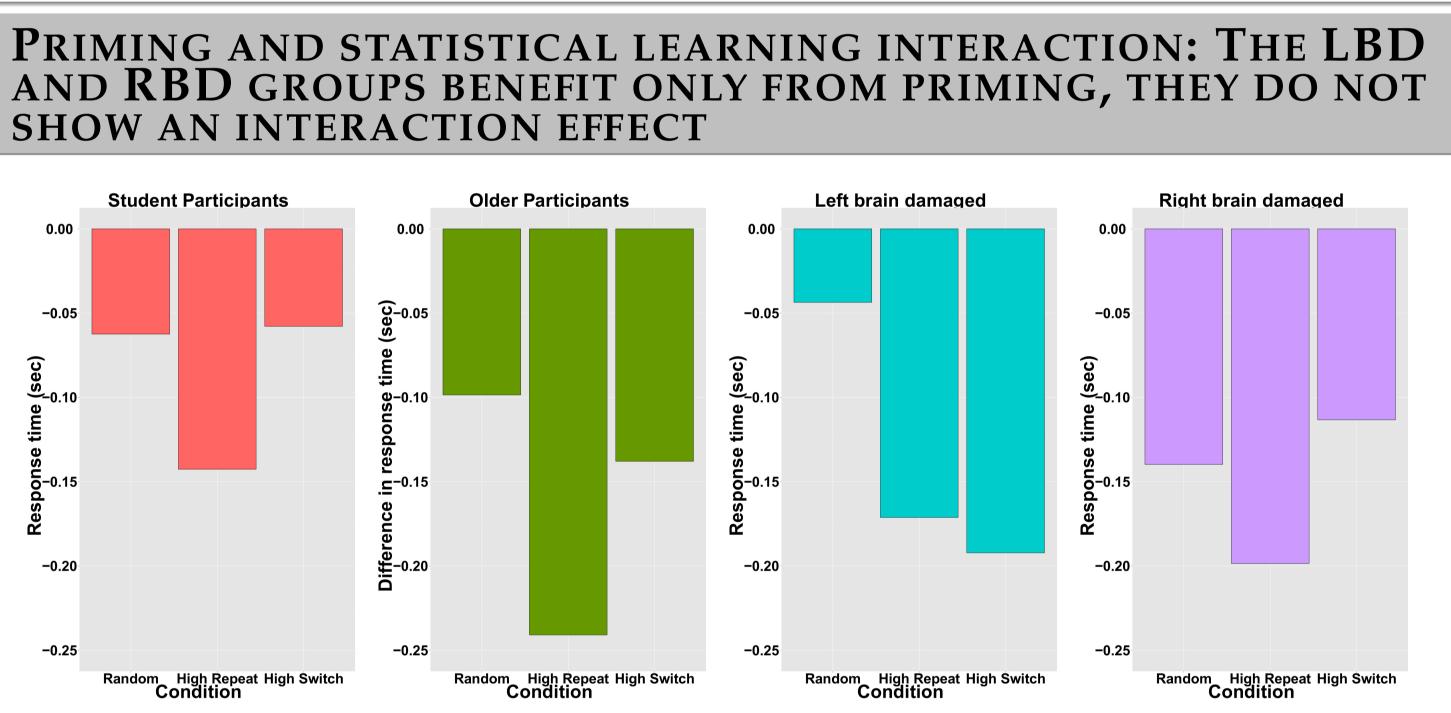


Figure 5: Difference in RT between primed and non-primed trials **based on condition:** LBD and RBD do not benefit more from the priming effect during the high repeat condition, as opposed to the two healthy groups. They do not have a significant interaction effect between the condition and the priming effect (p=0.39 for LBD and p=0.1for RBD).

CONCLUSION

- benefit from the priming effect.
- priming effect.
- some of the behavioral deficits in these patient groups.

ACKNOWLEDGEMENTS

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The two healthy controls and the two brain-damaged groups

The use of the probability distribution is impaired in LBD and RBD patients as shown by figure 5, but those patients have a preserved

Deficits in learning the probability distribution may account for