

## POST-TRAUMATIC STRESS DISORDER Factsheet

August 2021

### What is visuospatial ability?

Visuospatial ability refers to a person's capacity to identify visual and spatial relationships among objects. Visuospatial ability is measured in terms of the ability to imagine objects, to make global shapes by locating small components, or to understand the differences and similarities between objects.

Several tests have been designed to assess visuospatial ability. The Weschler Adult Intelligence Scale (WAIS) block-design subtest requires subjects to use small blocks to recreate a larger block pattern. The WAIS picture arrangement subtest assesses perceptual skills and involves study participants placing pictures in a logical order. The WAIS Object Assembly subtest assesses speed and accuracy of jigsaw puzzle completion. The WAIS Picture Completion task requires participants to visually scan an image and identify what is missing. The WAIS Matrix Reasoning subtest requires participants to select the missing design in a patterned sequence. The Benton Judgement of Line Orientation Test requires participants to identify the orientation of a line in comparison to a target line; and both the Rey-Osterrieth Complex Figure Test (ROCF) and the Repeatable Battery for the Assessment of Neuropsychological Status (RBANS) visuospatial/constructional subtest, involve replicating a complex figure from memory.

### What is the evidence for visuospatial ability in people with PTSD?

Moderate to high quality evidence finds medium-sized effects of poorer visuospatial ability in people with PTSD compared to traumatised or non-traumatised controls without PTSD. There was no moderating effect of age.

For more information see the technical table



*NeuRA (Neuroscience Research Australia) is one of the largest independent medical and clinical research institutes in Australia and an international leader in neurological research.*

*Diseases of the brain and nervous system pose the greatest health, economic and social burden of any disease group because they are chronic, debilitating and have no known cures.*

*Medical research is the cornerstone of efforts to advance the health and wellbeing of families and the community. Our dedicated scientists are focussed on transforming their research into significant and practical benefits for all patients.*

*While we hope you find this information useful, it is always important to discuss any questions about PTSD and its treatment with your doctor or other health care provider.*

### HOW YOUR SUPPORT HELPS

We are able to make significant advances due to the generosity of countless people. Your donation allows us to continue to work towards transforming lives. For information on how you can support our research, phone **1300 888 019** or make a secure donation at [neura.edu.au/donate](https://neura.edu.au/donate)