



# NeuRA

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## SCHIZOPHRENIA Factsheet

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### What is temperature regulation?

Changes in the homeostatic regulation of body temperature can involve increased or decreased body temperature in a neutral environment (baseline temperature), altered response to a temperature stimulus (heat or cold stress), changes to the normal differences between morning and nighttime body temperatures (diurnal and circadian variation), variations in the range of typical body temperature changes during the day, and changes to typical differences between core and peripheral body temperatures.

### What is the evidence for temperature regulation?

In antipsychotic-free patients, moderate to low quality evidence suggests baseline temperature is reduced, there is less daily variation in temperature, there are differences in variation between peripheral and core temperature, and an altered response to temperature stress when compared to people without schizophrenia.

In mixed groups of antipsychotic-free and medicated patients, moderate to low quality evidence suggests baseline temperature may be increased, circadian rhythms may be altered and there may be increased skin temperature following heat stress stimulus when compared to people without schizophrenia.

For more information see the technical table



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*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 schizophrenia or 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/schizophrenia](http://neura.edu.au/donate/schizophrenia).