

# Cognitive Impairment Associated with Schizophrenia

SCHIZOPHRENIA IS CHARACTERIZED BY:<sup>1,2</sup>



## Positive symptoms:

delusions, hallucinations, disorganized speech and behavior, agitation



## Negative symptoms:

blunted affect, emotional withdrawal, loss of motivation, social avoidance, lack of pleasure



## Cognitive symptoms:

cessation or impairment of normal cognitive processes

## How does it impact people?

Cognitive impairment associated with schizophrenia (CIAS) affects

**85%** of people,<sup>3</sup> with symptoms including:<sup>1,2</sup>



Poor memory



Impaired attention



Poor comprehension



Impaired learning



Executive dysfunction

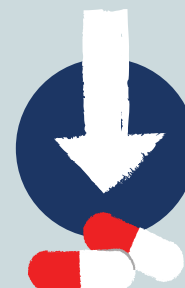
Cognitive impairments can present **early in the disease course** and are often fully developed when people present with a first episode<sup>4,5,6</sup>



CIAS often presents **independent of positive symptoms;**<sup>7</sup> in the absence of positive symptoms, **cognitive symptoms still remain**<sup>6</sup>

CIAS predicts a reduction in real-world functioning as it impacts:<sup>1,2,6</sup>

- Daily life, e.g. self-care, cooking
- Employment
- Social functioning
- Relationships
- Health-related quality of life
- Adherence to treatment



CIAS may contribute to poor treatment adherence, which can result in **relapse** or **rehospitalization**<sup>2</sup>

“ I forget people who I have met, or the reason why I do things.<sup>9</sup> ”

**UNMET NEED:**

CIAS has been reported by patients and caregivers to be one of the most burdensome symptoms of their condition<sup>2,8,9</sup>

There are currently no approved pharmacotherapies targeting CIAS<sup>6</sup>

### References

1. Stahl SM. *Stahl's Essential Psychopharmacology*, 4th ed., 2013. Cambridge University Press.
2. Kitchen H, et al. *Adv Ther* 2012;29:148-162.
3. Mosiolek A, et al. *BMC Psychiatry* 2016;16:37.
4. Frangou S. *Child Adolesc Psychiatr Clin N Am* 2013;22:715-726.
5. Bilder RM, et al. *Am J Psychiatry* 2000;157:549-559.
6. Bowie CR & Harvey PD. *Neuropsychiatr Dis Treat* 2006;2:531-536.
7. García-Laredo E. Cognitive Impairment in Schizophrenia: Description and Cognitive Familiar Endophenotypes. A Review of the Literature. *In Psychosis - Biopsychosocial and Relational Perspectives*, 2018; pp. 43-67. IntechOpen.
8. Caqueo-Urizar A, et al. *Psicothema* 2016;28:150-155.
9. Boehringer Ingelheim Customer Insights Video. SC-CRP-09514 August 2021



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