

Minorities' higher psychosis risk linked to cultural distance from majority

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Social inequalities and language differences could be responsible for the

higher psychosis risk in ethnic minority groups, finds a UCL-led study.

The researchers say their findings, published today in *Psychological Medicine*, might reflect the impact of being more marginalized from mainstream society.

"We have known for decades that many migrant groups and ethnic minorities face higher rates of psychosis, without knowing the exact reasons behind the pattern. In this study we wanted to see if social and cultural distance from the majority group could be responsible," said the study's lead author, Dr. Hannah Jongsma (UCL Psychiatry), who began the study at the University of Cambridge before completing it at UCL.

Rates of psychotic disorders, such as schizophrenia, can be as much as five times higher in some ethnic [minority](#) groups such as people of black Caribbean or African heritage in the UK. By contrast, there is no such pattern in Caribbean countries, suggesting the increased risk is context dependent. Rates of psychosis are more strongly influenced by ethnicity and socioeconomic status than other mental health conditions.

People diagnosed with a psychotic disorder face a life expectancy 15 years lower than average.

The researchers used data from the European Network of National Schizophrenia Networks Studying Gene-Environment Interactions (EU-GEI) study in the UK, Spain, France, Italy, the Netherlands and Brazil, involving 1,130 people with a psychotic disorder, as well as 1,497 people without a diagnosis who served as control subjects.

As a proxy measure of social and cultural distance from the majority population, the researchers considered whether or not each person spoke the majority language as their mother tongue (ie. English in the UK), or was not fully fluent in the majority language.

Ethnic minority status was associated with more than double the odds of psychotic disorders. Linguistic distance from the [majority group](#), and [social disadvantage](#), were both associated with nearly double the odds of psychosis, which appeared to mostly explain the increased risk faced by ethnic minority groups. The researchers say that both disadvantage and linguistic distance are potential markers of sociocultural exclusion.

The researchers also compared psychosis rates with self-reported data about direct experiences of discrimination. While they found these experiences were nominally associated with psychosis risk, the link didn't prove to be significant after taking into account [social inequalities](#) and cultural distance. As the relationship between psychosis risk and sociocultural distance (disadvantage and linguistic distance) was more robust, the authors say this suggests that structural disadvantage and systematic barriers may be more pervasive risk factors for psychosis.

The researchers say social and cultural distance from mainstream society could contribute to an [increased risk](#) of psychosis due to feelings of disempowerment.

"Experiencing a lack of control over your own life may disrupt the dopamine system—a signaling system in the brain—which is known to be important in developing psychosis and is very sensitive to environmental factors," explained Dr. Jongsma.

Senior author Dr. James Kirkbride (UCL Psychiatry) added: "There are substantial inequalities of psychosis rates in high-income countries, which can be exacerbated by the fact that ethnic minority groups often face worse mental health care and treatment. Addressing deep-rooted structural injustices which disproportionately affect disadvantaged and marginalized communities may help reduce such health inequalities."

More information: Hannah E. Jongsma et al. Social disadvantage,

linguistic distance, ethnic minority status and first-episode psychosis: results from the EU-GEI case–control study, *Psychological Medicine* (2020). [DOI: 10.1017/S003329172000029X](https://doi.org/10.1017/S003329172000029X)

Provided by University College London

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