

# JAMA Psychiatry

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## Research

**Clinical Variability in 16p11.2 Deletions**

119

Moreno-De-Luca and colleagues studied 56 individuals with 16p11.2 deletions and their noncarrier first-degree relatives to measure the effect of the mutation and explore the contribution of familial background to clinical variability. The mutation's effect size ranged from 1 to 2.2 SD on measures of cognitive, social, and motor performance and body mass index. Significant parent-proband correlations across all neurodevelopmental dimensions indicate that family background contributes to the phenotypic variability in this and perhaps other genetic disorders.

Editorial 106

**Response to Dorsal Anterior Cingulotomy**

127

Banks and colleagues retrospectively analyzed preoperative magnetic resonance imaging scans from patients who had undergone cingulotomy for intractable obsessive-compulsive disorder. Systematic differences between responders and nonresponders were found using voxel-based morphometry and probabilistic tractography techniques. Responders demonstrated less gray matter in the right anterior cingulate and right-sided dominant connectivity between the dorsal anterior cingulate and several subcortical structures.

Editorial 108

Author Audio Interview [jamapsychiatry.com](http://jamapsychiatry.com) and CME [jamanetworkcme.com](http://jamanetworkcme.com)

**Benzodiazepine Use in the United States**

136

Olfson and colleagues reported that 5.2% of US adults were treated with benzodiazepines in 2008. Benzodiazepine treatment varied by age from 2.6% (18-35 years) to 8.7% (65-80 years) and was nearly twice as common in women as men. The percentage of treated persons with at least 120 days of benzodiazepine use varied from 15.0% (18-35 years) to 31.4% (65-80 years). These patterns support efforts to reduce long-term benzodiazepine treatment, especially among older adults.

Editorial 110

**Psychiatric Comorbidity, Suicidality, and Firearms**

152

Simonetti and colleagues used survey data from a nationally representative sample of US adolescents to compare the likelihood of self-reported in-home firearm access between adolescents with and without specific suicide risk factors. Among US adolescents who reported living in a home with a firearm, 39% reported access to household firearms. Those with suicide risk factors were just as likely to report firearm access as individuals without such risk factors.

**PET Quantification of Serotonin<sub>1A</sub> Receptor Binding**

169

Sullivan and colleagues used positron emission tomography (PET) to measure 5-HT<sub>1A</sub> binding in depressed suicide attempters. Higher autoreceptor brainstem binding in high-lethality attempters was consistent with lower serotonin neuron firing and less release. Less serotonin release in the prefrontal cortex correlates with more severe suicidal ideation and more lethal suicidal behavior.

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SR Dager and Coauthors

Online @ [jamapsychiatry.com](http://jamapsychiatry.com)

**Author Interview**

**AUDIO** Interview  
with Sameer A. Sheth,  
MD, PhD, author  
of "Neuroanatomical  
Characteristics

Associated With Response to Dorsal  
Anterior Cingulotomy for Obsessive-  
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