Hot topics session

Findings from the Child and Adolescent Twin Study in Sweden

Sebastian Lundström, licensed psychologist, PhD.
Child and Adolescent Twin Study in Sweden (CATSS)

The Child and Adolescent Twin Study in Sweden (CATSS)

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• Data from >24,000 twins at age 9
• Data from >24,000 twins at age 9
• >8,000 twins and their parents at age 15
• Data from >24,000 twins at age 9
• >8,000 twins and their parents at age 15
• >4,000 twins and their parents at age 18
• Data from >24,000 twins at age 9
• >8,000 twins and their parents at age 15
• >4,000 twins and their parents at age 18
• Linked to official registries
Recent finding
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- Lower birth weight indicates higher risk of autistic traits in discordant twin pairs
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- Similar genetic effects in the extreme end as in the normal variation for ASDs and ADHD
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- Different neurodevelopmental symptoms have a common genetic etiology.
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- **Female protective effects for autism spectrum disorders?**
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- Female protective effects for autism spectrum disorders?

- **Language and mathematical problems as precursors for juvenile mania and psychotic-like traits**
Recent findings

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- Language and mathematical problems as precursors for juvenile mania and psychotic-like traits

- **Symptom specific approaches may aid molecular genetic strategies**

Association between ASMT and autistic-like traits in children from a Swedish nationwide cohort

Jonsson, Lina; Ankarsäter, Henrik; Zettergren, Anna; Westberg, Lars; Walum, Hasse; Lundström, Sebastian; Larsson, Henrik; Lichtenstein, Paul; Melke, Jonas
Recent findings

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- Symptom specific approaches may aid molecular genetic strategies

- **Validation of a screening instrument (A-TAC)**
Recent findings (not CATSS)
Recent findings (not CATSS)

- 3,9\% responsible for all violent crimes
- 1\% responsible for 63\% of all violent crimes
- 1\text{\textperthousand}\% responsible for 20\% of all violent crimes
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<td><strong>Male</strong></td>
<td>98</td>
<td>94</td>
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The 1% of the population accountable for 63% of all violent crime convictions

Örjan Falk · Martin Wallin · Sebastian Lundström · Thomas Frisell · Henrik Akekarlöf · Nima Keshkes
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The 1% of the population accountable for 63% of all violent crime convictions.

Orjan Falk, Martin Wallin, Sebastian Lundstrom, Thomas Frisell, Henrik Anckarsäter, Nina Kerelius
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<tr>
<td>Psychiatric inpatient diagnosis</td>
<td>48</td>
<td>39</td>
<td>30</td>
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Henrik Anckarsäter
Eva Billstedt
Martin Cederlöf
Zheng Chang
Christopher Gillberg
Clara Gumpert
Björn Hofvander
Nora Kerekes
Tomas Larson
Henrik Larsson
Paul Lichtenstein
Niklas Långström
Jonas Melke
Camilla Palm
Abraham Reichenberg
Maria Råstam
Märtha Wallinius
Lars Westberg
Thank you for listening

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