



Current and recent research studies within the Division of Psychiatry – Developmental Psychiatry section, School of Community Health Sciences
[\(<http://www.nottingham.ac.uk/chs>\)](http://www.nottingham.ac.uk/chs)

Developmental epidemiology

- developmental pathways (continuities and discontinuities) of child mental health disorders using the 1970 British Birth Cohort data set

Neuropsychological studies of ADHD/ hyperkinesia

- cognitive executive functions and working memory in hyperactivity
- the effect of methylphenidate (Ritalin) on working memory
- development of neuropsychological tests for clinical diagnostic use
- interaction of inhibitory control and reward mechanisms in ADHD (the MIDAS study)

Developmental language and communication disorders

- adult psychosocial outcomes
- cerebral lateralisation of language as a risk of psychosis

Child and adolescent-onset schizophrenia and affective psychoses

- epidemiology (population-based incidence)
- neuropsychological precursors of psychosis in "high risk" siblings
- comparison with adult-onset functional psychoses

Paediatric psychopharmacology

- mechanisms of action of methylphenidate
- developing animal models of hyperactivity
- trends in methylphenidate and 'atypical' antipsychotic prescribing for children and adolescents

Behavioural phenotypes

- neuropsychological and behavioural aspects of children and young adults with genetic disorders including Fragile-X syndrome and Cri-du-Chat syndrome
- fMRI of working memory and executive functioning in adult women with Fragile-X syndrome and in pre-mutation 'carrier' Fragile-X males
- development of theory of mind in children with neuropsychiatric disorders

- mental health, cognitive function and brain activity in the siblings of adolescents with schizophrenia (the [SONAR](#) study)