

QbTest for the assessment of attention deficit hyperactivity disorder (ADHD) (provisional title)

The QbTest is an objective computer-based test that can be used alongside standard care clinical assessment to aid the assessment of attention deficit hyperactivity disorder (ADHD). The intended place in therapy would be for people who have been referred for an ADHD assessment or as an aid in evaluating treatment effect. ADHD is a neurodevelopmental disorder that is characterised by excessive amounts of hyperactivity, inattention and impulsivity that interfere with daily life. Most cases are diagnosed in childhood but sometimes it is not recognised when someone was a child, and they are diagnosed later as an adult.

The QbTest uses an infrared tracking system and computerised performance tasks which enables the objective measurement of concentration, movement and impulsivity using age and gender matched comparisons. It takes between 15 and 20 minutes to complete and results are available within minutes to be interpreted by a qualified physician.

The QbTest may reduce the time taken for ADHD assessment, improve time to diagnosis of ADHD, enhance monitoring of treatment response and result in a more efficient use of resources by reducing clinician time.

The NICE Health Technologies Programme (Diagnostics) will assess the clinical and cost effectiveness of the QbTest (and any other alternative technologies identified during scoping) in order to make recommendations on its use in the NHS.