Work package title: WP 1 - Comparison of teacher versus parental nomination for ASD prevalence estimation

Presentation title: Same as Above

Presentes: Dr Mary Rose Sweeney, Prof Anthony Staines WP1 Principal Investogators; Dr Andrew Boilson, Research Associate.

Update on activities:

- Waterford and Galway were selected as geographical areas to administer the Parent vs Class Teacher Screening Protocol. The total number of 7-9 years children who attend primary schools in these regions is 2268.

- Out of 1182 children screened in Waterford 65 were nominated by class teacher's 16 with a diagnosis of Autism Spectrum Disorder. Sixty six percent 781 (excluding incomplete data) of primary caregivers returned study booklets which included the Social Communication Questionnaire (SCQ: Rutter et al. 2003).

- We identified 48 children in Waterford who obtained SCQ total scores $\geq$ 12 who are been followed up to re-administer the SCQ to identify children who may require referral for further screening and/or multidisciplinary assessment.

- We are currently processing parent and class teacher data for Waterford schools one component of which will entail cross referencing parent vs class teacher report data of eligible children with a diagnosis on the autism spectrum, confirming these diagnosis with clinician's and abstracting the outcomes diagnostic assessments e.g. cognitive, language, adaptive functioning, ADOS and ADI-R. Parent reported diagnosis of other neuro-developmental disorders will also be confirmed with clinicians.

- We anticipate recruiting an additional four schools in Galway in the coming weeks whereby parent and class teachers screening will be completed for all schools in this region by the first week of December.

Key learning:

What worked well

High level of willingness from primary caregivers and class teachers to participate in the study.

What could be done differently

Resources required to complete fieldwork, process data and undertake follow up.

Next steps:

- Complete fieldwork Galway.
- Follow up Procedure – Regions I II
    - Parent screening SCQ $\geq$ 12*
    - Pupils nominated Class Teachers *
    - Confirm parent report diagnosis for all children SCQ $\geq$ 12 and all ASD (in the event of any false negatives)
    - Undertake further follow up with parents and class teachers
- Data processing, cleaning, analysis
- Diagnostic validity evaluations: perform Area Under the Curve (AUC), sensitivity, specificity, positive predictive value (PPV) and negative predictive value (NPV) will be conducted
- Compare screening data from parents versus teachers
- Refer any children identified requiring assessment
- Evaluation of final data set to account for children referred and diagnosed with an ASD

Footnote-

* Reconciled