

Neurobehavioural Screening Tool

Neurobehavioural Screening Tool (NST): Guidelines and Scoring

The NST form is designed to be administered with caregivers of children and youth suspected of having a Fetal Alcohol Spectrum Disorder based on behavioral observations. The caregiver should know the child well enough to be able to answer all questions contained in NST. The form should be administered to the respondent by a qualified health or social services professional, such as a social worker, law enforcement personnel, psychologist, or child and youth worker in the context of a clinical interview. The form should not be scored by the caregiver. The user should explain that its aim is to gain a picture of the child's behaviour within the last 6 months.

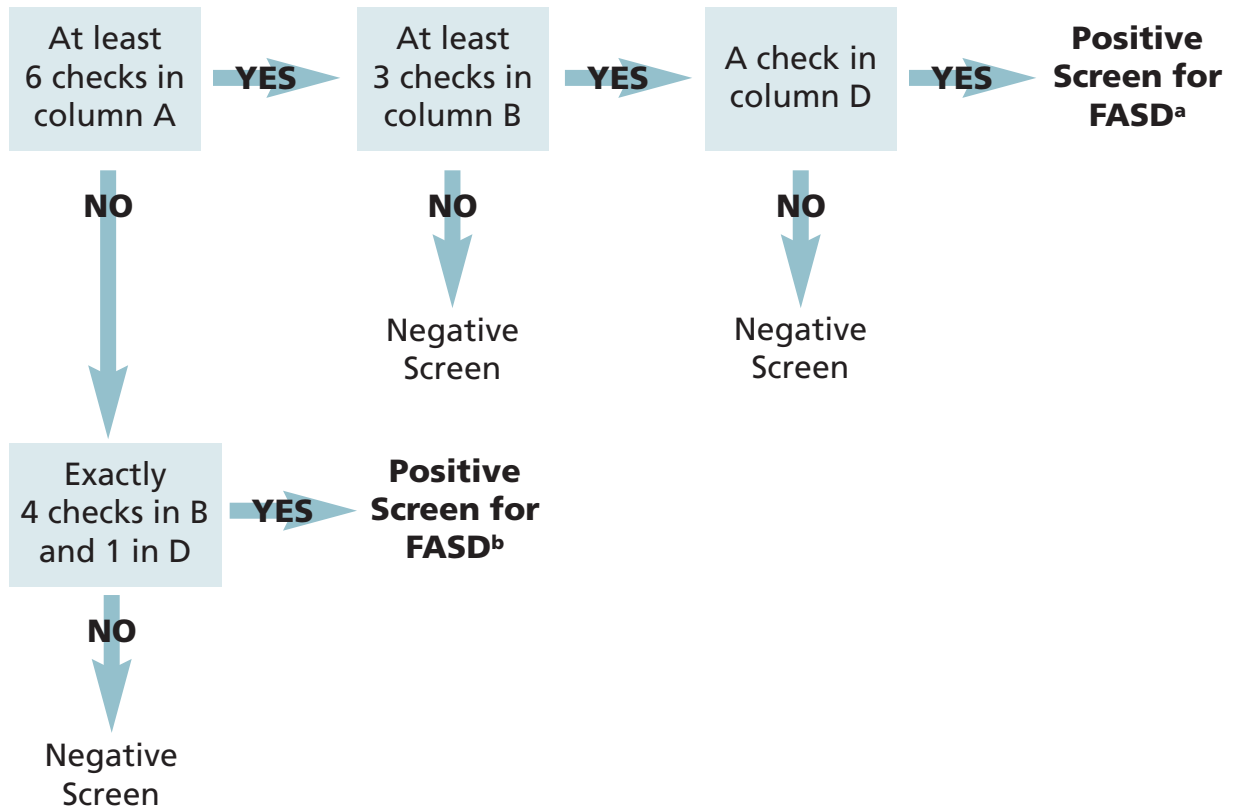
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|---|-----|----|
| 1. Has your child been seen or accused of or thought to have acted too young for his or her age? <i>Place a check in all columns if 'YES' was endorsed</i> | YES | NO |
| 2. Has your child been seen or accused of or is thought to be disobedient at home? <i>Place a check in columns 'A' and 'C' if 'YES' was endorsed</i> | YES | NO |
| 3. Has your child been seen or accused of or is thought to lie or cheat? | YES | NO |
| 4. Has your child been seen or accused of or is thought to lack guilt after misbehaving? <i>Place a check in columns 'A' and 'C' for each 'YES'</i> | YES | NO |
| 5. Has your child been seen or accused of or thought to have difficulty concentrating, and can't pay attention for long? | YES | NO |
| 6. Has your child been seen or accused of or is thought to act impulsively and without thinking? | YES | NO |
| 7. Has your child been seen or accused of or is thought to have difficulty sitting still is restless or hyperactive? <i>Place a check in column 'A' for each 'YES' endorsed</i> | YES | NO |
| 8. Has your child been seen or accused of or is thought to display acts of cruelty, bullying or meanness to others? | YES | NO |
| 9. Has your child been seen or accused of or is thought to steal items from home? | YES | NO |
| 10. Has your child been seen or accused of or is thought to steal items outside of the home? <i>Place a check in column 'B' for each 'YES' endorsed</i> | YES | NO |

| | | | |
|----------|----------|----------|----------|
| A | B | C | D |
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Scoring Steps: The NST must be scored according to the following steps



Statistical Properties

Positive Screen (a): Separates FASD from typically developing children with a 14% false positive rate and 18% false negative rate (sensitivity 86% & specificity 82%) and from children with ADHD with a 19% false positive rate and 28% false negative rate (sensitivity 81% & specificity 72%).

Positive Screen (b): Separates FASD, without ADHD symptoms, from typically developing children with a 30% false positive rate and a 20% false negative rate (sensitivity 70% & specificity 80%).

Note: If box 'D' is not checked this screener cannot separate FASD from ODD/CD.