



PSYCHOLOGICAL TESTING IN CHILDREN WITH ASD: WHAT A PRIMARY CARE PROVIDER NEEDS TO KNOW

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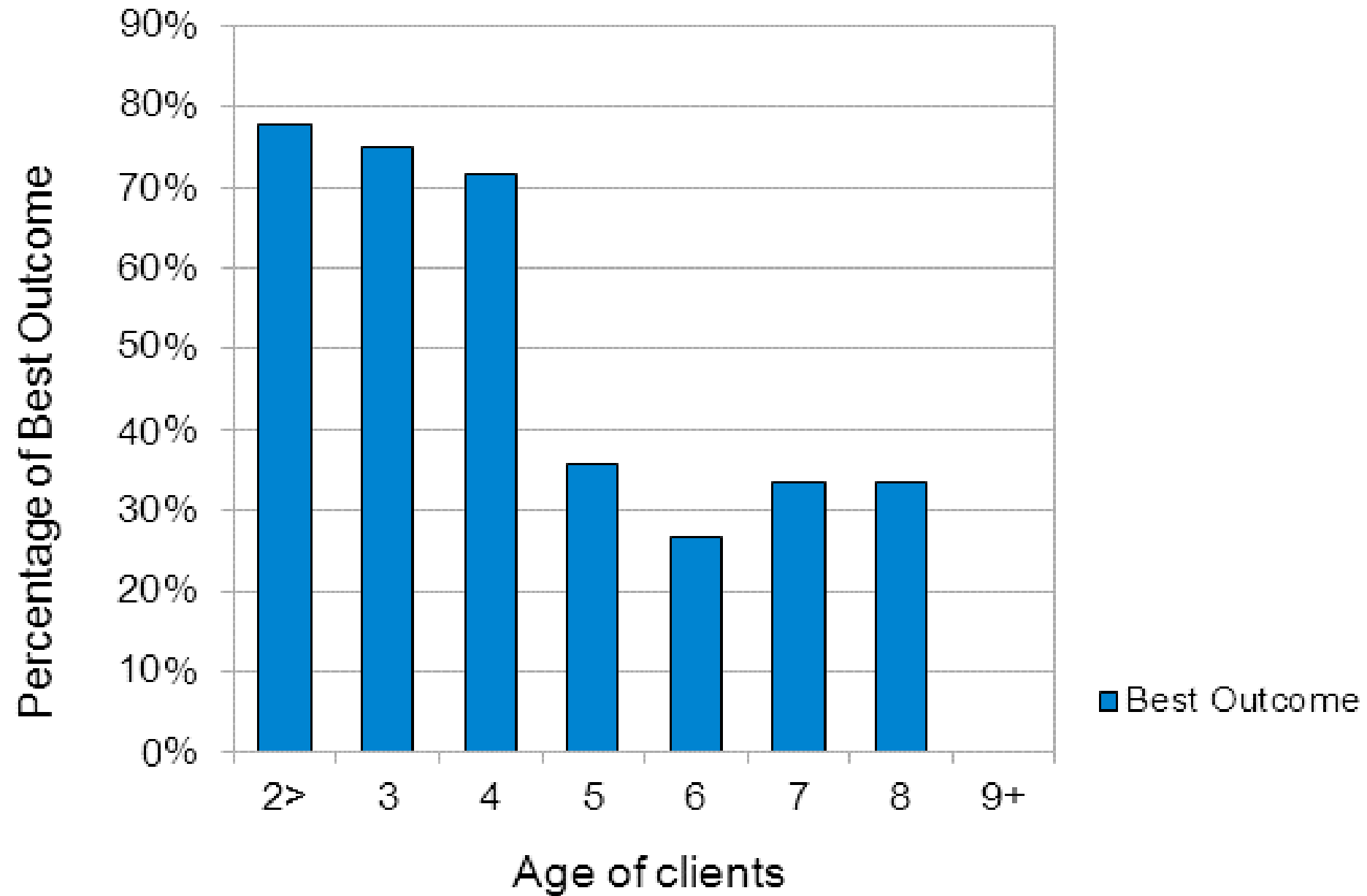
OBJECTIVES

- Assessment Guidelines for Autism Spectrum Disorders (ASDs) in Primary Care
 - Barriers to ASD Assessment in Primary Care
- Referral & Diagnosis
- Practical Resources

APPROACH

- Developmental Screening
 - **Surveillance**
 - Flexible, longitudinal, and continuous process
 - Eliciting and attending to parent's concerns
 - Maintaining a developmental history
 - **Screening**
 - Brief assessment procedure designed to identify children who should receive more intensive diagnosis or assessment

Early Intervention Results



Source: Health and Human Services, 2017

IMPORTANCE OF THE PRIMARY CARE SETTING

- Primary care providers are essential to identifying children with autism spectrum disorders (ASDs).
 - Barriers exist in the surveillance and screening.
 - Delays dx and services

DEVELOPMENTAL SCREENING

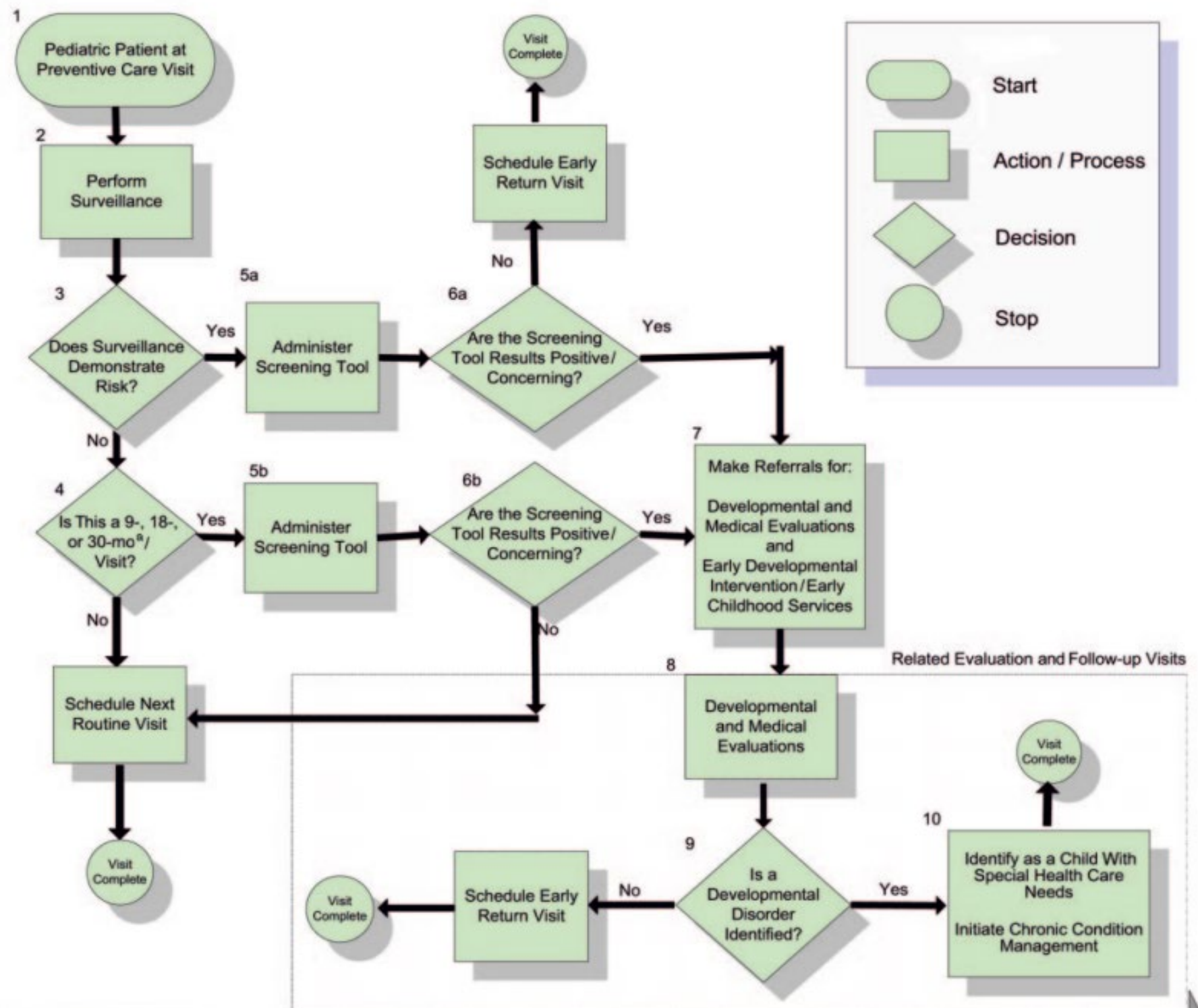
- American Academy of Pediatrics Algorithms



Identifying Infants and Young Children With Developmental Disorders in the Medical Home: An Algorithm for Developmental Surveillance and Screening
Council on Children With Disabilities, Section on Developmental Behavioral Pediatrics, Bright Futures Steering Committee and Medical Home Initiatives for Children With Special Needs Project Advisory Committee
Pediatrics 2006;118;405-420
DOI: 10.1542/peds.2006-1231



Identification and Evaluation of Children With Autism Spectrum Disorders
Chris Plauché Johnson and Scott M. Myers
Pediatrics 2007;120;1183
DOI: 10.1542/peds.2007-2361 originally published online October 29, 2007;



Duby, JC & Lipkin, Paul & Macias, Michelle & Wegner, LM & Duncan, P & Hagan, JF & Cooley, William & Swigonski, Nancy. (2006). Identifying infants and young children with developmental disorders in the medical home: An algorithm for developmental surveillance and screening. Pediatrics. 118. 405-420.

M-CHAT

Please fill out the following about how your child usually is. Please try to answer every question. If the behavior is rare (e.g., you've seen it once or twice), please answer as if the child does not do it.

1. Does your child enjoy being swung, bounced on your knee, etc.? Yes No
2. Does your child take an interest in other children? Yes No
3. Does your child like climbing on things, such as up stairs? Yes No
4. Does your child enjoy playing peek-a-boo/hide-and-seek? Yes No
5. Does your child ever pretend, for example, to talk on the phone or take care of a doll or pretend other things? Yes No
6. Does your child ever use his/her index finger to point, to ask for something? Yes No
7. Does your child ever use his/her index finger to point, to indicate interest in something? Yes No
8. Can your child play properly with small toys (e.g. cars or blocks) without just mouthing, fiddling, or dropping them? Yes No
9. Does your child ever bring objects over to you (parent) to show you something? Yes No
10. Does your child look you in the eye for more than a second or two? Yes No
11. Does your child ever seem oversensitive to noise? (e.g., plugging ears) Yes No
12. Does your child smile in response to your face or your smile? Yes No
13. Does your child imitate you? (e.g., you make a face-will your child imitate it?) Yes No
14. Does your child respond to his/her name when you call? Yes No
15. If you point at a toy across the room, does your child look at it? Yes No
16. Does your child walk? Yes No
17. Does your child look at things you are looking at? Yes No
18. Does your child make unusual finger movements near his/her face? Yes No
19. Does your child try to attract your attention to his/her own activity? Yes No
20. Have you ever wondered if your child is deaf? Yes No
21. Does your child understand what people say? Yes No
22. Does your child sometimes stare at nothing or wander with no purpose? Yes No
23. Does your child look at your face to check your reaction when faced with something unfamiliar? Yes No

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SCREENER INFORMATION: US DEPT HEALTH

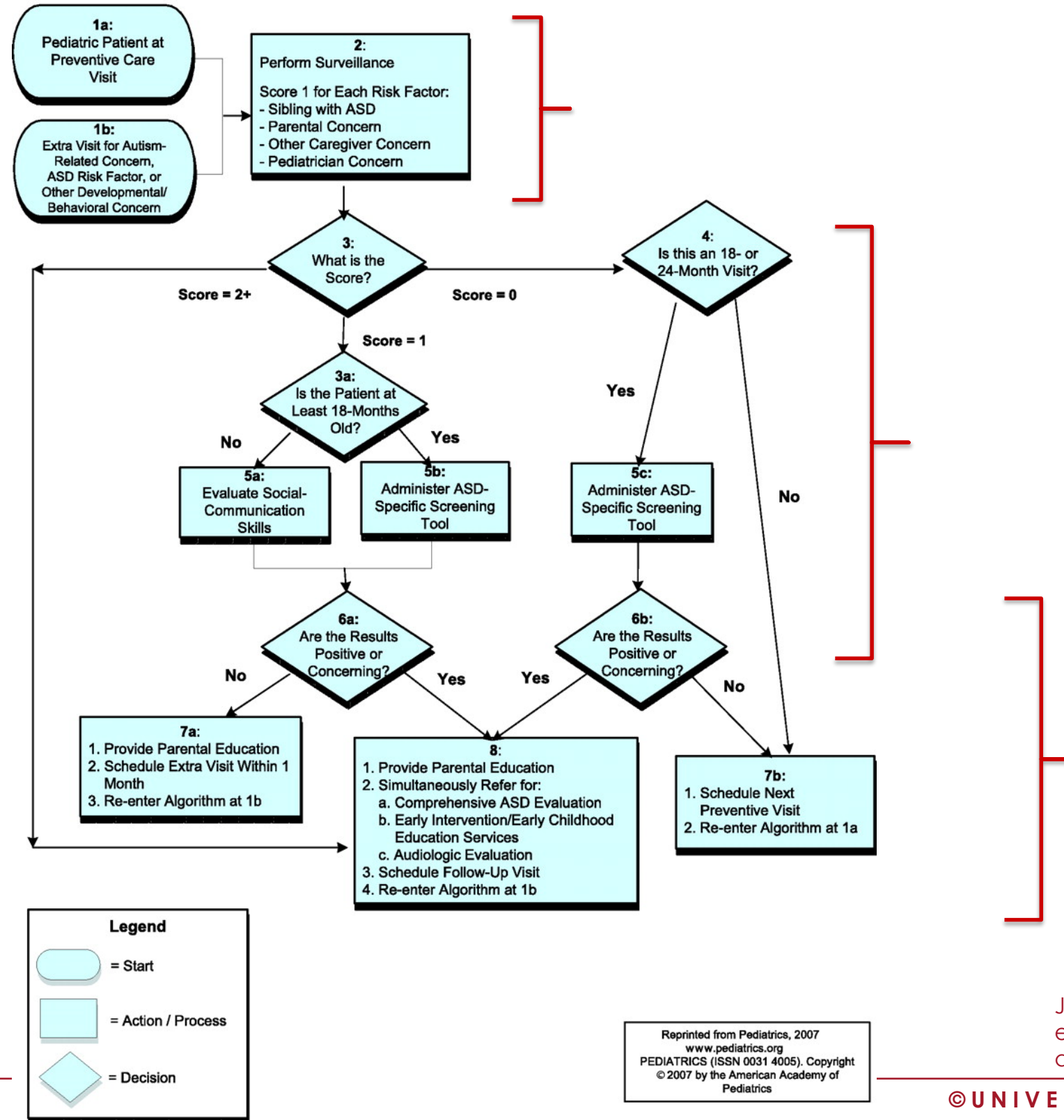
Compendium of Screening Measures for Young Children



The **Compendium of Screening Measures for Young Children** (PDF) is a collection of research-based screening tools for children under the age of 5. Practitioners in early care and education, primary health care, child welfare, and mental health can use this reference to learn cost, administration time, quality level, training required, and age range covered for each screening tool.

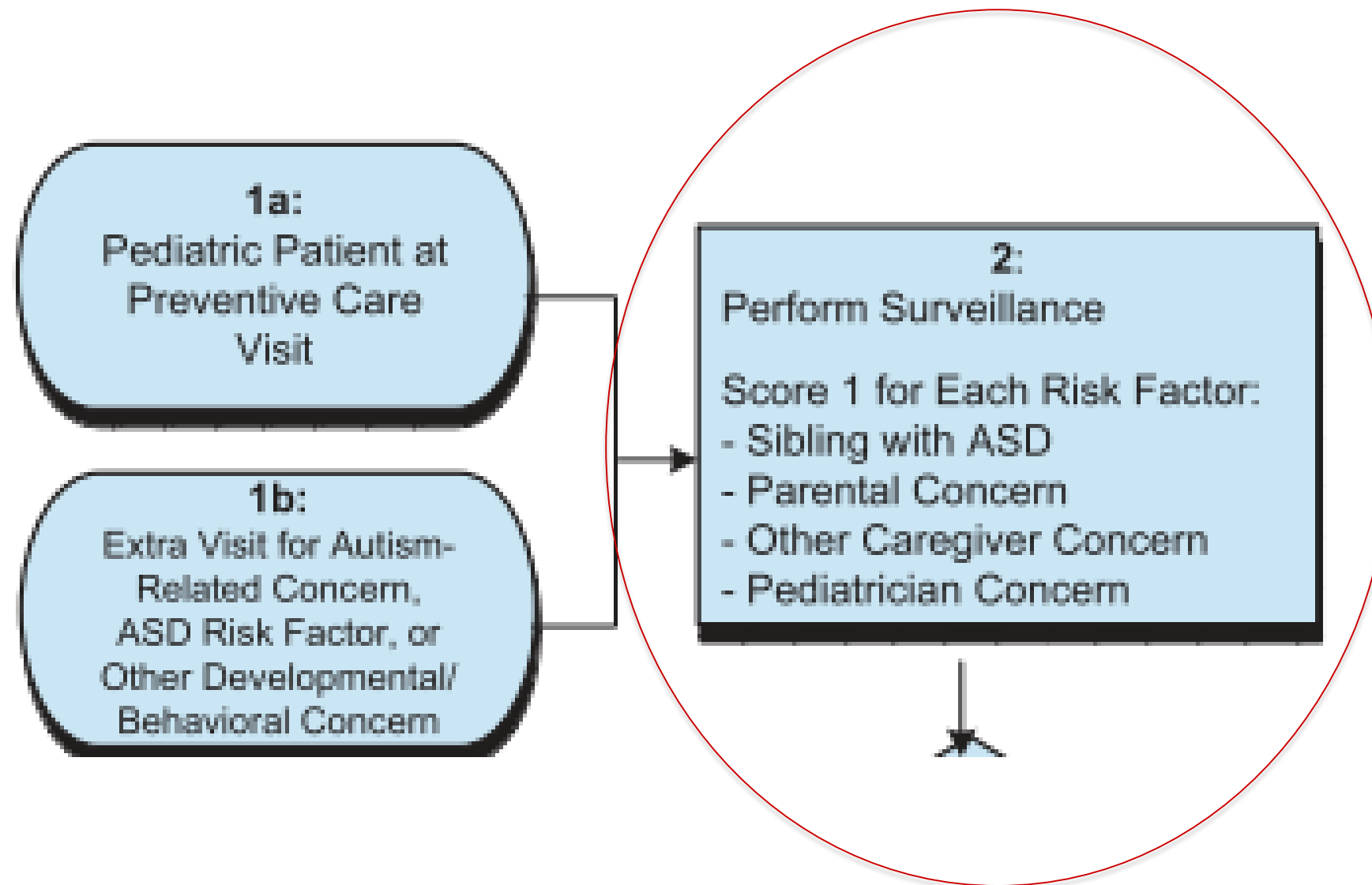
<https://www.acf.hhs.gov/ecd/child-health-development/watch-me-thrive>

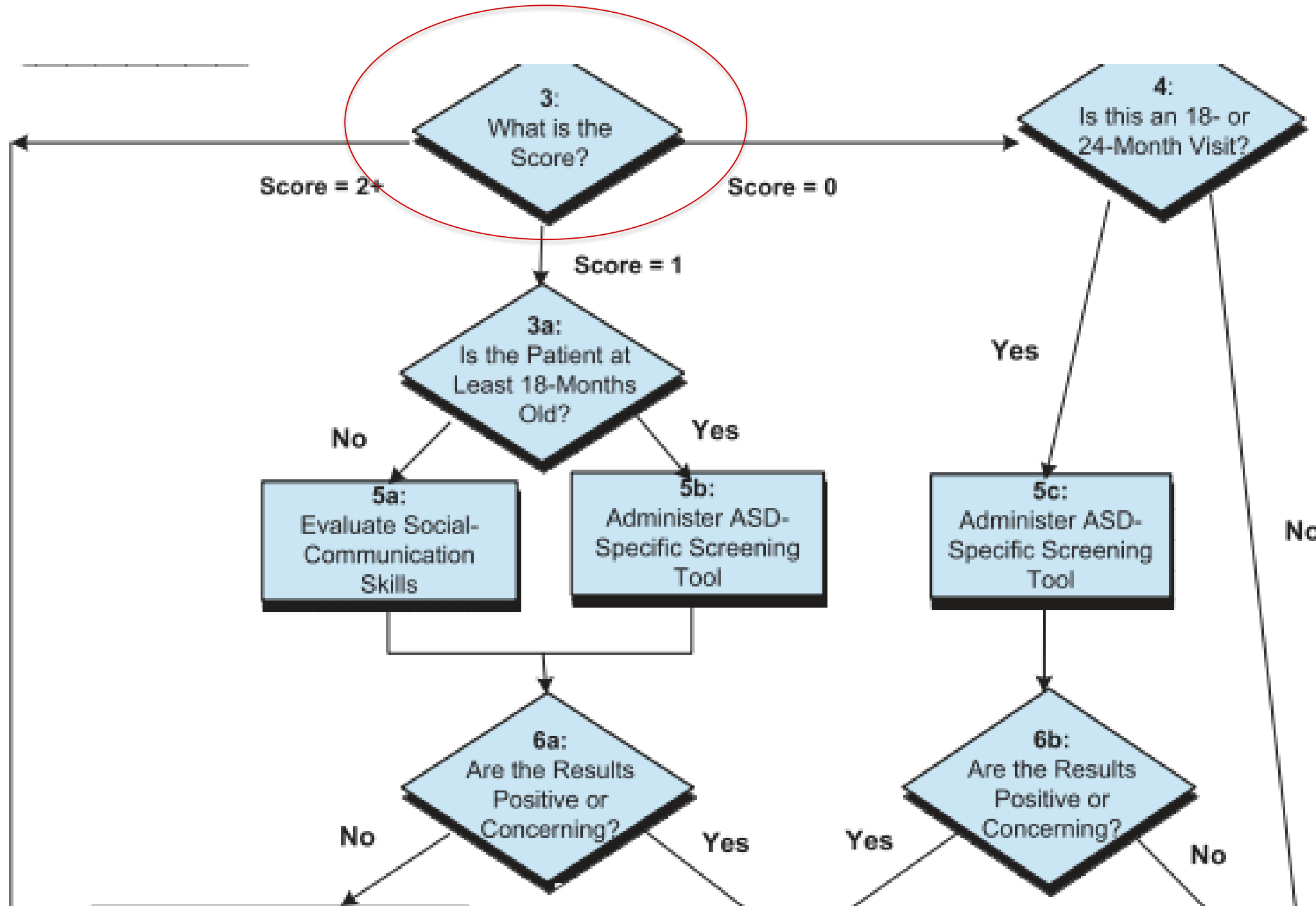
Surveillance and Screening Algorithm: Autism Spectrum Disorders (ASDs)



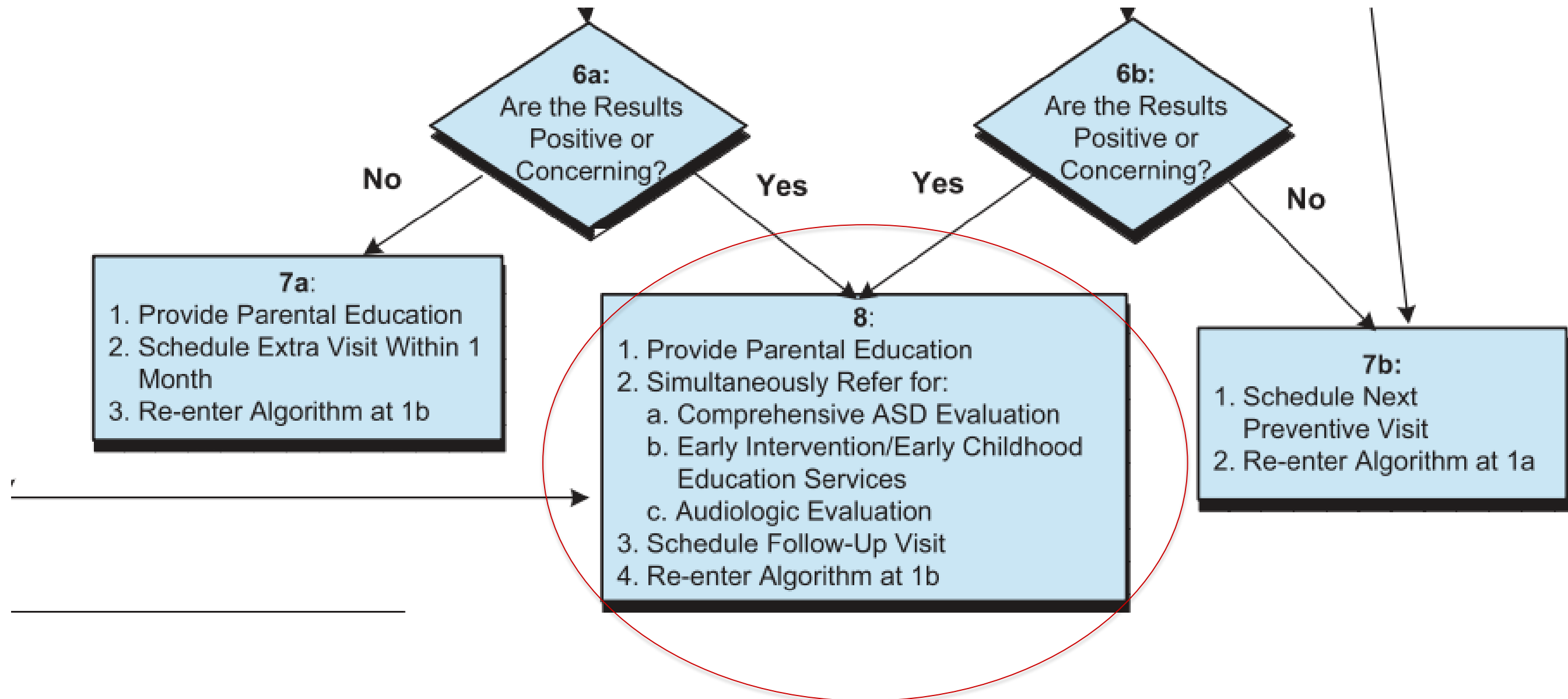
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Pediatrics

Johnson CP, Myers SM. Identification and evaluation of children with autism spectrum disorders. *Pediatrics*. 2007;120(5):1183-1215.

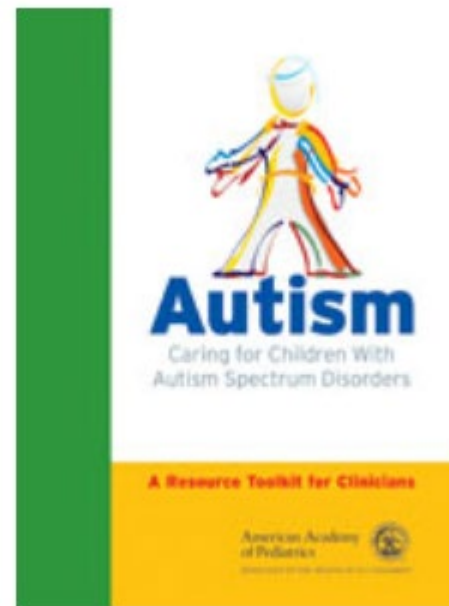




Johnson CP, Myers SM. Identification and evaluation of children with autism spectrum disorders. *Pediatrics*. 2007;120(5):1183-1215.



AAP RESOURCE



Autism: Caring for Children With Autism Spectrum Disorders: A Resource Toolkit for Clinicians by American Academy of Pediatrics

BEST-PRACTICE IN ASD ASSESSMENT

- *Primary Care and Resources**
- Referral for Best Practice Assessment:
 - History
 - Observational Tools (e.g., ADOS-2)
 - Multidisciplinary
 - Key: Integrate Historical and Current Objective information

*Gabrielsen TP, Farley M, Speer L, Villalobos M, Baker CN, Miller J. Identifying autism in a 2124 brief observation. *Pediatrics*. 2015;135(2):e330-338.

Refer - Beyond the Primary Care Setting

Level II Screeners

- Social Responsiveness Scale, Second Edition
- Autism Spectrum Rating Scales

Diagnostic Measures

- ADOS (Autism Diagnostic Observation Schedule): For toddlers to adults; direct observation, 30-45 minutes.
- ADI-R (Autism Diagnostic Interview): For mental age ≥ 2 yrs.; structured interview; 1.5 – 2.5 hours.

Referral Issues: Differential Diagnosis

- 63% screened positive for ASD in primary care eventually received ASD dx.
- Of the 37% that did not get ASD dx,
 - 62% received language disorder
 - 16% received dx of developmental delay or intellectual disability
 - 29% received dx of ADHD
 - 25% received other behavioral dx

SYSTEMS

Medical

- Medical dx
 - Medical Svs Eligibility

Educational

- Ed Classification
 - School Svs Eligibility

PRACTICAL RESOURCES

- **AAP ASD Algorithm**: Johnson CP, Myers SM. Identification and evaluation of children with autism spectrum disorders. *Pediatrics*. 2007;120(5):1183-1215.
- **Book**: *Autism: Caring for Children With Autism Spectrum Disorders: A Resource Toolkit for Clinicians* by American Academy of Pediatrics
- **National Institute for Health Care and Excellence (NICE)**: Best Practice Guidelines: <https://www.nice.org.uk/guidance/cg128>
- **Autism Treatment Network (ATN)**: <https://www.autismspeaks.org/autism-treatment-network-atn>
- **CDC ASD Links**: <https://www.cdc.gov/ncbddd/autism/links.html>