

Appendix F.1: ADI-R

ADI-R: OMB Coversheet

Form Approved
OMB NO. _____
Exp. Date _____

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Diagnostic Algorithm

A: Qualitative Abnormalities in Reciprocal Social Interaction

Score "Most Abnormal 4.0-5.0" codes for all items in A1 to A4 (except 31, 58, and 65).

Name of Subject _____

Date of Birth _____ Date of Interview _____ Chronological Age _____ Gender F M

Name of Respondent _____

Relation to Subject _____

Clinician Name _____

School/Clinic _____

Item Code to Algorithm Score Conversion

CODE	SCORE
0	0
1	1
2	2
3	2
7	0
8	0
9	0

A1: Failure to use nonverbal behaviors to regulate social interaction

	CODE	SCORE
Direct Gaze	(50)	_____
Social Smiling	(51)	_____
Range of Facial Expressions Used to Communicate	(57)	_____

Total A1 _____

A2: Failure to develop peer relationships

Imaginative Play With Peers	(49)	_____
Interest in Children	(62)	_____
Response to Approaches of Other Children	(63)	_____
Group Play With Peers (score if 4.0 to 9.11 years)	(64)	_____
OR (score either 64 or 65, depending on age of subject)		_____
Friendships (score if 10.0 years or older) "Most Abnormal 10.0-15.0"	(65)	_____

Total A2 _____

A3: Lack of shared enjoyment

Showing and Directing Attention	(52)	_____
Offering to Share	(53)	_____
Seeking to Share Enjoyment With Others	(54)	_____

Total A3 _____

A4: Lack of socioemotional reciprocity

Use of Other's Body to Communicate	(31)	_____	EVER
Offering Comfort	(55)	_____	
Quality of Social Overtures	(56)	_____	
Inappropriate Facial Expressions	(58)	_____	EVER
Appropriateness of Social Responses	(59)	_____	

Total A4 _____

A Total = A1 + A2 + A3 + A4

A Total (cutoff = 10) _____

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B: Qualitative Abnormalities in Communication

Score "Most Abnormal 4.0-5.0" for all items in B1 and B4.
 Score B2(V) and B3(V) only for verbal subjects (Item 30 = 0), using "Ever" scores.
 Score only B1 and B4 for nonverbal subjects (Item 30 = 1 or 2).

CODE SCORE

B1: Lack of, or delay in, spoken language and failure to compensate through gesture

- Pointing to Express Interest (42) _____
- Nodding (43) _____
- Head Shaking (44) _____
- Conventional/Instrumental Gestures (45) _____

Total B1 _____

B4: Lack of varied spontaneous make-believe or social imitative play

- Spontaneous Imitation of Actions (47) _____
- Imaginative Play (48) _____
- Imitative Social Play (61) _____

Total B4 _____

Verbal Subjects Only:

B2(V): Relative failure to initiate or sustain conversational interchange

- Social Verbalization/Chat (34) _____ EVER
- Reciprocal Conversation (35) _____ EVER

Total B2(V) _____

B3(V): Stereotyped, repetitive, or idiosyncratic speech

- Stereotyped Utterances and Delayed Echolalia (33) _____ EVER
- Inappropriate Questions or Statements (36) _____ EVER
- Pronominal Reversal (37) _____ EVER
- Neologisms/Idiosyncratic Language (38) _____ EVER

Total B3(V) _____

Verbal Total = B1 + B2(V) + B3(V) + B4 **B(V) Total (cutoff = 8)** _____

Nonverbal Total = B1 + B4 **B(NV) Total (cutoff = 7)** _____

C: Restricted, Repetitive, and Stereotyped Patterns of Behavior

Score "Ever" for all items in C1 to C4.

CODE SCORE

C1: Encompassing preoccupation or circumscribed pattern of interest

- Unusual Preoccupations (67) _____
- Circumscribed Interests (68) _____

Total C1 _____

C2: Apparently compulsive adherence to nonfunctional routines or rituals

- Verbal Rituals (score only if Item 30 = 0) ... (39) _____
- Compulsions/Rituals (70) _____

Total C2 _____

C3: Stereotyped and repetitive motor mannerisms

- Hand and Finger Mannerisms (77) _____
- OR (Record the higher of the two scores)* _____
- Other Complex Mannerisms or Stereotyped Body Movements (78) _____

Total C3 _____

C4: Preoccupations with part of objects or nonfunctional elements of material

- Repetitive Use of Objects or Interest in Parts of Objects (69) _____
- OR (Record the higher of the two scores)* _____
- Unusual Sensory Interests (71) _____

Total C4 _____

C Total = C1 + C2 + C3 + C4 **C Total (cutoff = 3)** _____

D: Abnormality of Development Evident at or Before 36 Months

- Age Parents First Noticed (if <36 months, score 1) (2) _____
- Age of First Single Words (if >24 months, score 1) (9) _____
- Age of First Phrases (if >33 months, score 1) (10) _____
- Age When Abnormality First Evident (if coded 3 or 4, score 1) (86) _____
- Interviewer's Judgment on Age When Abnormalities First Manifest (if <36 months, score 1) (87) _____

D Total (cutoff = 1) _____