

# 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

	<u>CODE</u>	<u>SCORE</u>
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)** \_\_\_\_\_