

# Appendix F.1: ADI-R

ADI-R: OMB Coversheet

Form Approved  
OMB NO. \_\_\_\_\_  
Exp. Date \_\_\_\_\_

## **Public Reporting Burden Statement**

Public reporting burden of this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer; 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-XXXX)

## 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

	<u>CODE</u>	<u>SCORE</u>
<b>A1: Failure to use nonverbal behaviors to regulate social interaction</b>		
Direct Gaze .....	(50)	_____
Social Smiling .....	(51)	_____
Range of Facial Expressions Used to Communicate .....	(57)	_____
		<b>Total A1</b> _____

<b>A2: Failure to develop peer relationships</b>		
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)	_____
		<b>Total A2</b> _____

<b>A3: Lack of shared enjoyment</b>		
Showing and Directing Attention .....	(52)	_____
Offering to Share .....	(53)	_____
Seeking to Share Enjoyment With Others ....	(54)	_____
		<b>Total A3</b> _____

<b>A4: Lack of socioemotional reciprocity</b>		
Use of Other's Body to Communicate .....	(31)	_____
Offering Comfort .....	(55)	_____
Quality of Social Overtures .....	(56)	_____
Inappropriate Facial Expressions .....	(58)	_____
Appropriateness of Social Responses .....	(59)	_____
		<b>Total A4</b> _____

**A Total = A1 + A2 + A3 + A4**                      **A Total (cutoff = 10)** \_\_\_\_\_

Published by  
**wps** WESTERN PSYCHOLOGICAL SERVICES  
 12031 Wilshire Blvd., Los Angeles, CA 90025-1251  
 Publishers and Distributors

Copyright © 2003 by WESTERN PSYCHOLOGICAL SERVICES  
 Not to be reproduced in whole or in part without written permission of Western Psychological Services.  
 All rights reserved. 1 2 3 4 5 6 7 8 9 Printed in U.S.A.

**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)** \_\_\_\_\_