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(Bayley, 1993)

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(Biological Needs)

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6 (Uzgiris and Hunt, 1975)  
 (Newborg et al., 1988) (Uzgiris and Hunt Scales of Infant Psychological Development) 24  
 Battlle Developmental Inventory (BDI)

5 341 : Movement Assessment of Infant  
 (Chandler, Andrews and Swanson, 1981)

(Frankenburg et al., 1990)  
 Denver Developmental Screening Test II 12  
 : 125 (Folio and Ferwell, 1983)  
 (Peabody Development Motor Scales (PDMS))

(Briegance, 1991)  
 (Briegance Diagnostic Inventory of Early Development) 6

6 12- 6  
 (Fagan and Shepherd, 1987)  
 Fagan Test of Infant Intelligence

1930 (Furuno et al., 1984, 1988)  
 Hawaii Early Learning Profile (HELP)  
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		(Bergen, 1995)		(45)	:	•
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(Siegel, 1979)					:	
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		(Bayley, 1993) (WISC-R, 1979)			:	•
		(Berk, 1979)			:	
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		(Ross, 1985)			:	
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* 11.47	5881.8	6	35291	
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8.5	53.85	12-7
3.5	65.76	18-13
5.3	74.07	24-19
5.5	86.50	30-25
5.9	91.95	36-31
6	99.45	42-37

(7)

0.97	0.98	0.15	0.86	1.0	
0.97	0.96	0.24	1.0	0.86	
0.15	0.13	1.0	0.24	0.15	
0.98	1.0	0.13	0.96	0.98	
1.0	1.0	0.15	0.97	0.97	

(8)

0.58	0.58	0.59	0.75	1.0	
0.85	0.83	0.85	1.0	0.75	
0.97	0.97	1.0	0.85	0.59	
0.99	1.0	0.97	0.83	0.58	
1.0	0.99	0.97	0.85	0.58	

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15	,19 - ,10
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11	,49- ,40
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10	,69-,60
34	,79 - ,70
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14	1.0-,90
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9	0.19 - 0.10
11	0.29 - 0.20
9	0.39 - 0.30
6	0.49- 0.40
4	0.59 - 0.50
21	0.69- 0.60
14	0.79 - 0.70
9	0.89 - 0.80
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6	36.3	5-4
6.7	43.3	8-6
6.9	53.8	11-9
6.7	64.3	14-12
7.1	74.8	17-15
6.9	85.3	23-18
7.5	106.3	29-24
7.1	127.3	35-30
7.6	148.3	41-36
7.6	162	42

(14)

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5	10.5	1
5.1	15.5	2
4.8	23.2	3
4.8	28.4	5-4
4.7	32.6	8-6
4.7	36.8	11-9
4.6	45.2	14-12
4	51.5	17-15
4	57.8	23-18
4	70.4	29-24
3.8	80.9	35-30
3.8	95.6	41-36
3.8	105	42

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- (Gesell et al., 1954) (Gesell et al., 1954)
- (Gesell, 1954) (Denney, 1972)
- (Gesell, 1954) (Laxon, 1981)
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## **The Psychometric Properties of the Jordanian Version of Bayley Mental and Motor Scales for Child Development (Age: 1 Month-42 Months)**

*Tuqa H. Al-Razouq\**

### **ABSTRACT**

This study aimed at finding out the psychometric properties of the Jordanian version of Bayley mental and motor scales for child development (2nd edition). The scales were used to identify children mental and motor performance level, from one to 42 months old.

After identifying mental and motor abilities and their indicators, bench marks were derived for each indicator, items were developed against these bench marks, (178) items were developed for the mental scale, and (111) items for the motor scale. Findings indicated that there was sufficient evidence of construct validity for both mental and motor scales. The reliability coefficients were derived using cronbach alpha, and test-retest methods. The validity and reliability were acceptable.

Means and standard deviations of children's mental and motor performance were computed for the 13 age groups. These means and standard deviations represent the performance level of the Jordanian children on both scales. The increments in children performances across age levels indicate progress in mental and motor abilities.

**Keywords:** Child development, Infant mental development, Infant development, Infant motor development, Bayley scales, early intervention, child assessment, early childhood assessment, early childhood diagnosis.

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