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Early Childhood Care and Education Service Assessment Study

The Arnett Caregiver Interaction Scale (CIS) data codebook (v2)

Study title: Early Childhood Care and Education

Year: 2008 - 2011

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This codebook Version 2 was prepared by the Children's Research Network as part of the Prevention and Early Intervention Research Initiative (July 2017).

<http://www.childrensresearchnetwork.org>

For full description of the data please refer to the evaluation report:

Hayes, N., Siraj-Blatchford, I., Keegan, S. and Goulding, E. (2013) Evaluation of the Early Years Programme of the Childhood Development Initiative. Dublin: Childhood Development Initiative (CDI).

<http://www.twcdi.ie/>

Setting

		Value	Count	Percent
Standard Attributes	Position	1		
	Label	Childcare Setting (anonymised)		
	Type	String		
	Format	A8		
	Measurement	Nominal		
	Role	Input		
	Valid Values	1	Setting A	1
10		Setting M	1	5.6%
11		Setting N	1	5.6%
12		Setting L	1	5.6%
13		Setting K	1	5.6%
14		Setting J	1	5.6%
15		Setting P	1	5.6%
16		Setting Q	1	5.6%
17		Setting R	1	5.6%
18		Setting O	1	5.6%
2		Setting B	1	5.6%
3		Setting C	1	5.6%
4		Setting D	1	5.6%
5		Setting E	1	5.6%
6		Setting F	1	5.6%
7		Setting G	1	5.6%
8		Setting H	1	5.6%
9		Setting I	1	5.6%

Note: Indicates care setting under review. Settings were anonymised in preparation for archiving but are consistent across all archived data files and across both cohorts.

Condition

		Value	Count	Percent
Standard Attributes	Position	2		
	Label	Condition: intervention or control		
	Type	Numeric		
	Format	F8		

	Measurement	Nominal		
	Role	Input		
Valid Values	1	Intervention	10	55.6%
	2	Control	8	44.4%

Note: Indicates whether care setting in the intervention group or control group of evaluation

The Arnett Caregiver Interaction Scale (CIS) (Arnett, 1989)

The **Arnett Caregiver Interaction Scale (CIS)** consists of 26 items forming 4 subscales, each of which measure different aspect of caregiver–child interaction: positive relationships (indicating warmth and enthusiasm in interaction with children); punitiveness (indicating harsh or over-controlling behaviour in interaction with children); permissiveness (indicating avoidance of discipline and control of children); and detachment (indicating lack of involvement in interaction with children). The CIS has been associated with child outcomes in the EPPE study (Sylva *et al*, 1999).

The following are scores for the 4 CIS subscales at Baseline data collection

1. Positive relationships (sensitivity)
2. Punitiveness (Harshness)
3. Detachment
4. Permissiveness

Sensitiv_BL

		Value
Standard Attributes	Position	3
	Label	Sensitivity total at Baseline - CIS subscale
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
	N	Valid
	Missing	0
Central Tendency and Dispersion	Mean	37.06
	Standard Deviation	3.386
	Percentile 25	35.00
	Percentile 50	38.00
	Percentile 75	40.00

SensitivAvr_BL

		Value
Standard Attributes	Position	4

	Label	Sensitivity average at Baseline - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	18
	Missing	0
Central Tendency and Dispersion	Mean	3.7056
	Standard Deviation	.33863
	Percentile 25	3.5000
	Percentile 50	3.8000
	Percentile 75	4.0000

Harsh_BL

		Value
Standard Attributes	Position	5
	Label	Harshness total at Baseline - CIS subscale
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	18
	Missing	0
Central Tendency and Dispersion	Mean	35.78
	Standard Deviation	.548
	Percentile 25	36.00
	Percentile 50	36.00
	Percentile 75	36.00

HarshAvr_BL

		Value
Standard Attributes	Position	6

	Label	Harshness average at Baseline - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	18
	Missing	0
Central Tendency and Dispersion	Mean	3.9753
	Standard Deviation	.06092
	Percentile 25	4.0000
	Percentile 50	4.0000
	Percentile 75	4.0000

HarshA_BL

		Value
Standard Attributes	Position	7
	Label	Harshness at Baseline - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	18
	Missing	0
Central Tendency and Dispersion	Mean	8.9444
	Standard Deviation	1.34917
	Percentile 25	9.0000
	Percentile 50	9.0000
	Percentile 75	9.0000

Detatch_BL

		Value
Standard Attributes	Position	8

	Label	Detachment total at Baseline - CIS subscale
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	18
	Missing	0
Central Tendency and Dispersion	Mean	15.44
	Standard Deviation	1.199
	Percentile 25	15.00
	Percentile 50	16.00
	Percentile 75	16.00

DetachAvr_BL

		Value
Standard Attributes	Position	9
	Label	Detachment average at Baseline - CIS subscales
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	18
	Missing	0
Central Tendency and Dispersion	Mean	3.8611
	Standard Deviation	.29978
	Percentile 25	3.7500
	Percentile 50	4.0000
	Percentile 75	4.0000

DetatchA_BL

		Value
Standard Attributes	Position	10

	Label	Detachment at Baseline - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	18
	Missing	0
Central Tendency and Dispersion	Mean	4.5556
	Standard Deviation	1.19913
	Percentile 25	4.0000
	Percentile 50	4.0000
	Percentile 75	5.0000

Permiss_BL

		Value
Standard Attributes	Position	11
	Label	Permissiveness total at Baseline - CIS subscale
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
N	Valid	18
	Missing	0
Central Tendency and Dispersion	Mean	9.11
	Standard Deviation	.323
	Percentile 25	9.00
	Percentile 50	9.00
	Percentile 75	9.00

PermissAvr_BL

		Value
Standard Attributes	Position	12

	Label	Permissiveness average at Baseline - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	18
	Missing	0
Central Tendency and Dispersion	Mean	3.0367
	Standard Deviation	.10672
	Percentile 25	3.0000
	Percentile 50	3.0000
	Percentile 75	3.0000

PermissA_BL

		Value
Standard Attributes	Position	13
	Label	Permissiveness at Baseline - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	18
	Missing	0
Central Tendency and Dispersion	Mean	3.1111
	Standard Deviation	.32338
	Percentile 25	3.0000
	Percentile 50	3.0000
	Percentile 75	3.0000

Total_CIS_BL

		Value
Standard Attributes	Position	14

	Label	Total CIS score at Baseline
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
N	Valid	18
	Missing	0
Central Tendency and Dispersion	Mean	97.3889
	Standard Deviation	4.55217
	Percentile 25	96.0000
	Percentile 50	99.0000
	Percentile 75	100.0000

Total_CIS_Avr_BL

		Value
Standard Attributes	Position	15
	Label	Total average CIS score at Baseline
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	3.7457
	Standard Deviation	.17508
	Percentile 25	3.6923
	Percentile 50	3.8077
	Percentile 75	3.8462

The following are scores for the 4 CIS subscales at Mid phase data collection

1. Positive relationships (sensitivity)
2. Punitiveness (Harshness)
3. Detachment
4. Permissiveness

Sensitiv_MID

		Value
Standard Attributes	Position	16
	Label	Sensitivity total at Midphase - CIS subscale
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	38.11
	Standard Deviation	2.742
	Percentile 25	39.00
	Percentile 50	39.00
	Percentile 75	40.00

SensitivAvr_MID

		Value
Standard Attributes	Position	17
	Label	Sensitivity average at Midphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	3.8111
	Standard Deviation	.27416
	Percentile 25	3.9000

Percentile 50	3.9000
Percentile 75	4.0000

Harsh_MID

		Value
Standard Attributes	Position	18
	Label	Harshness total at Midphase - CIS subscale
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	34.89
	Standard Deviation	2.166
	Percentile 25	34.00
	Percentile 50	36.00
	Percentile 75	36.00

HarshAvr_MID

		Value
Standard Attributes	Position	19
	Label	Harshness average at Midphase - CIS subscales
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	3.8767
	Standard Deviation	.24065
	Percentile 25	3.7800
	Percentile 50	4.0000

Percentile 75	4.0000
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HarshA_MID

		Value
Standard Attributes	Position	20
	Label	Harshness at Midphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	10.1111
	Standard Deviation	2.16629
	Percentile 25	9.0000
	Percentile 50	9.0000
	Percentile 75	11.0000

Detatch_MID

		Value
Standard Attributes	Position	21
	Label	Detachment total at Midphase - CIS subscale
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	15.17
	Standard Deviation	1.654
	Percentile 25	15.00
	Percentile 50	16.00
	Percentile 75	16.00

DetachAvr_MID

		Value
Standard Attributes	Position	22
	Label	Detachment average at Midphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	4.7778
	Standard Deviation	1.47750
	Percentile 25	4.0000
	Percentile 50	4.0000
	Percentile 75	5.0000

DetatchA_MID

		Value
Standard Attributes	Position	23
	Label	Detachment at Midphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	3.7917
	Standard Deviation	.41347
	Percentile 25	3.7500
	Percentile 50	4.0000
	Percentile 75	4.0000

Permiss_MID

		Value
Standard Attributes	Position	24
	Label	Permissiveness total at Midphase - CIS subscale
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	9.06
	Standard Deviation	.236
	Percentile 25	9.00
	Percentile 50	9.00
	Percentile 75	9.00

PermissAvr_MID

		Value
Standard Attributes	Position	25
	Label	Permissiveness average at Midphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	3.0183
	Standard Deviation	.07778
	Percentile 25	3.0000
	Percentile 50	3.0000
	Percentile 75	3.0000

PermissA_MID

		Value
Standard Attributes	Position	26
	Label	Permissiveness at Midphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	3.5556
	Standard Deviation	.78382
	Percentile 25	3.0000
	Percentile 50	3.0000
	Percentile 75	4.0000

Total_CIS_MID

		Value
Standard Attributes	Position	27
	Label	Total CIS score at Midphase
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	97.2222
	Standard Deviation	6.07362
	Percentile 25	94.0000
	Percentile 50	100.0000
	Percentile 75	101.0000

Total_CIS_Avr_MID

		Value
Standard Attributes	Position	28
	Label	Total average CIS score at Midphase
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	3.7393
	Standard Deviation	.23360
	Percentile 25	3.6154
	Percentile 50	3.8462
	Percentile 75	3.8846

The following are scores for the 4 CIS subscales at End phase data collection

1. Positive relationships (sensitivity)
2. Punitiveness (Harshness)
3. Detachment
4. Permissiveness

Sensitiv_END

		Value
Standard Attributes	Position	29
	Label	Sensitivity total at Endphase - CIS subscale
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	33.78
	Standard Deviation	6.236
	Percentile 25	29.00
	Percentile 50	36.00
	Percentile 75	39.00

SensitivAvr_END

		Value
Standard Attributes	Position	30
	Label	Sensitivity average at Endphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	3.3778
	Standard Deviation	.62361
	Percentile 25	2.9000

Percentile 50	3.6000
Percentile 75	3.9000

Harsh_END

		Value
Standard Attributes	Position	31
	Label	Harshness total at Endphase - CIS subscale
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	33.44
	Standard Deviation	2.549
	Percentile 25	32.00
	Percentile 50	34.00
	Percentile 75	36.00

HarshAvr_END

		Value
Standard Attributes	Position	32
	Label	Harshness average at Endphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	3.7162
	Standard Deviation	.28317
	Percentile 25	3.5556
	Percentile 50	3.7794

Percentile 75	4.0000
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HarshA_END

		Value
Standard Attributes	Position	33
	Label	Harshness at Endphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	11.5556
	Standard Deviation	2.54887
	Percentile 25	9.0000
	Percentile 50	11.0000
	Percentile 75	13.0000

Detach_END

		Value
Standard Attributes	Position	34
	Label	Detachment total at Endphase - CIS subscale
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	13.44
	Standard Deviation	2.502
	Percentile 25	12.00
	Percentile 50	12.50
	Percentile 75	16.00

DetachAvr_END

		Value
Standard Attributes	Position	35
	Label	Detachment average at Endphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	3.3333
	Standard Deviation	.68599
	Percentile 25	3.0000
	Percentile 50	3.1250
	Percentile 75	4.0000

DetatchA_END

		Value
Standard Attributes	Position	36
	Label	Detachment at Endphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	6.5000
	Standard Deviation	2.50294
	Percentile 25	4.0000
	Percentile 50	7.0000
	Percentile 75	8.0000

Permiss_END

		Value
Standard Attributes	Position	37
	Label	Permissiveness total at Endphase - CIS subscale
	Type	Numeric
	Format	F8
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	10.17
	Standard Deviation	1.978
	Percentile 25	9.00
	Percentile 50	10.50
	Percentile 75	12.00

PermissAvr_END

		Value
Standard Attributes	Position	38
	Label	Permissiveness average at Endphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	3.3889
	Standard Deviation	.65927
	Percentile 25	3.0000
	Percentile 50	3.5000
	Percentile 75	4.0000

PermissA_END

		Value
Standard Attributes	Position	39
	Label	Permissiveness at Endphase - CIS subscale
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	4.5000
	Standard Deviation	1.82305
	Percentile 25	3.0000
	Percentile 50	3.5000
	Percentile 75	6.0000

Total_CIS_END

		Value
Standard Attributes	Position	40
	Label	Total CIS score at Endphase
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	90.7222
	Standard Deviation	11.71126
	Percentile 25	82.0000
	Percentile 50	90.0000
	Percentile 75	102.0000

Total_CIS_Avr_END

		Value
Standard Attributes	Position	41
	Label	Total average CIS score at Endphase
	Type	Numeric
	Format	F8.2
	Measurement	Scale
	Role	Input
	N	Valid
Missing		0
Central Tendency and Dispersion	Mean	3.4893
	Standard Deviation	.45043
	Percentile 25	3.1538
	Percentile 50	3.4615
	Percentile 75	3.9231