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Citation for final published version:

Anning, Kate L., Langley, Kate , Hobson, Christopher, De Sonnevile, Leo and Van Goozen, Stephanie H.M. 2024. Inattention symptom severity and cognitive processes in children at risk of ADHD: The moderating role of separation anxiety. *Child Neuropsychology* 30 (2) , pp. 264-288. 10.1080/09297049.2023.2190964

Publishers page: <https://doi.org/10.1080/09297049.2023.2190964>

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Supplementary Information

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Table S1.

Sensitivity analysis correlations with children with anxiety removed from the sample (n = 93)

	1	2	3	4	5	6	7	8	9	10	11
1. Age	--										
2. BPVS	.560**	--									
3. Inatt	.036	-.066	--								
4. Hyp-Imp	.002	-.109	.817**	--							
5. AWMA	-.142	.114	-.063	.090	--						
6. PSM	.227*	.181	-.263*	-.147	.189	--					
7. RI RT	-.232*	-.391**	.211*	.089	-.131	-.134	--				
8. RI % errors	-.257*	-.292**	.206*	.108	-.362**	-.269**	.489**	--			
9. RI Var	-.261*	-.332**	.330**	.256*	-.167	-.173	.579**	.390**	--		
10. VM	.081	-.032	.186	.087	-.224*	-.055	.310**	.463**	.125	--	
11. SA	-.191	-.129	.243*	.154	-.051	-.363**	.214*	.241*	.194	.536**	--
12. VM Var	-.232*	-.204	.233*	.155	-.157	-.287**	.380**	.399**	.299**	.589**	.830**

Note. * $p < .05$, ** $p < .01$. Inatt = inattention. Hyp-Imp = Hyperactivity-Impulsivity. AWMA = Automated Working Memory Assessment. PSM= Picture Sequence Memory. RI = Response Inhibition. RT = Response Time. Var = Variability. VM = Visuomotor control. VM Var = visuomotor control variability. SA=Sustained Attention.

SPSS Syntax Used for Dimensional Symptom Scores and Research Diagnoses

***ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD) ***

**Overall diagnosis Conservative - adhdDiagnosis

***ADHD - INATTENTIVE

*ADHD-INATTENTIVE SYMPTOM SCORE (CONSERVATIVE) = inattSymptomScoreCon

***ADHD - HYPERACTIVE/IMPULSIVE

*ADHD-HYPERACTIVE/IMPULSIVE SYMPTOM SCORE (CONSERVATIVE) =
hypimpSymptomScoreCon

***ADHD - COMBINED

*ADHD-COMBINED SYMPTOM SCORE (CONSERVATIVE) = SymptomScoreCon /

compute mis_adhd = missing(p1j1).
execute.

*A) ADHD-INATTENTIVE CONSERVATIVE score - symptom count past 6 months.

*Those who do not pass the screening question will score 0 here.

*as conservative, item endorsed if score = 2 'a lot more than others'

*six (or more) of the following symptoms of inattention have persisted for at least 6 months

*to a degree that is maladaptive and inconsistent with developmental level:

```
compute inattConscore =0.
if (mis_adhd eq 1) inattConscore = 99.
mis val inattConscore (99).
if (p1j4a = 2) inattConscore = inattConscore+1.
if (p1j4b = 2) inattConscore = inattConscore+1.
if (p1j4c = 2) inattConscore = inattConscore+1.
if (p1j4d = 2) inattConscore = inattConscore+1.
if (p1j4e = 2) inattConscore = inattConscore+1.
if (p1j4f = 2) inattConscore = inattConscore+1.
if (p1j4g = 2) inattConscore = inattConscore+1.
if (p1j4h = 2) inattConscore = inattConscore+1.
if (p1j4i = 2) inattConscore = inattConscore+1.
execute.
```

```

compute inattentionCon = 0.
if (mis_adhd eq 1) inattentionCon = 99.
mis val inattentionCon (99).
IF (inattConscore >= 6) inattentionCon=1.
EXECUTE.
IF (inattConscore < 6) inattentionCon=0.
EXECUTE.

```

*A) ADHD-HYPERACTIVE/IMPULSIVE

```

compute hypimpConscore =0.
if (mis_adhd eq 1) hypimpConscore = 99.
mis val hypimpConscore (99).
if (p1j2a = 2) hypimpConscore = hypimpConscore+1.
if (p1j2b = 2) hypimpConscore = hypimpConscore+1.
if (p1j2c = 2) hypimpConscore = hypimpConscore+1.
if (p1j2d = 2) hypimpConscore = hypimpConscore+1.
if (p1j2e = 2) hypimpConscore = hypimpConscore+1.
if (p1j3a = 2) hypimpConscore = hypimpConscore+1.
if (p1j3b = 2) hypimpConscore = hypimpConscore+1.
if (p1j3c = 2) hypimpConscore = hypimpConscore+1.
if (p1j3d = 2) hypimpConscore = hypimpConscore+1.
execute.

```

```

compute hypimpCon = 0.
if (mis_adhd eq 1) hypimpCon = 99.
mis val hypimpCon (99).
IF (hypimpConscore >= 6) hypimpCon=1.
EXECUTE.
IF (hypimpConscore < 6) hypimpCon=0.
EXECUTE.

```

*B) Symptoms are present across multiple settings

**INATTENTIVENESS

```

compute inattentionPervasiveness = 0.
if (mis_adhd eq 1) inattentionPervasiveness = 99.
mis val inattentionPervasiveness (99).
IF (p1j5b = 2) inattentionPervasiveness=1.
EXECUTE.

```

*B) HYPERACTIVITY/IMPULSIVE Symptoms are present across multiple settings

```
compute hypImpPervasiveness = 0.
if (mis_adhd eq 1) hypImpPervasiveness = 99.
mis val hypImpPervasiveness (99).
IF (p1j5a = 2 OR p1j5c = 2) hypImpPervasiveness=1.
EXECUTE.
```

*C) Clear evidence of clinically significant impairment in social, academic or occupational functioning

*CONSERVATIVE presence of impairment

```
compute adhdInterferenceCon = 0.
if (mis_adhd eq 1) adhdInterferenceCon = 99.
mis val adhdInterferenceCon (99).
if (p1j9a =3) adhdInterferenceCon = adhdInterferenceCon + 1.
if (p1j9b =3) adhdInterferenceCon = adhdInterferenceCon + 1.
if (p1j9c =3) adhdInterferenceCon = adhdInterferenceCon + 1.
if (p1j9d =3) adhdInterferenceCon = adhdInterferenceCon + 1.
execute.
```

```
compute adhdInterferenceConPresent = 0.
if (mis_adhd eq 1) adhdInterferenceConPresent = 99.
mis val adhdInterferenceConPresent (99).
if (adhdInterferenceCon >= 1) adhdInterferenceConPresent = 1.
execute.
```

* DIAGNOSIS - INATTENTIVE, presence of A, B and C

```
compute InattDiagCriteriaCon = 0.
if (mis_adhd eq 1) InattDiagCriteriaCon = 99.
mis val InattDiagCriteriaCon (99).
if (inattentionCon =1 AND inattentionPervasiveness = 1 AND adhdInterferenceConPresent)
InattDiagCriteriaCon = 1.
EXECUTE.
```

* DIAGNOSIS - HYP/IMPULSIVE, presence of A, B and C

```
compute HypImpDiagCriteriaCon = 0.
if (mis_adhd eq 1) HypImpDiagCriteriaCon = 99.
```

```

mis val HypImpDiagCriteriaCon (99).
if (hypimpCon =1 AND hypImpPervasiveness = 1 AND adhdInterferenceConPresent)
HypImpDiagCriteriaCon = 1.
EXECUTE.

```

*ADHD DIAGNOSIS

```

compute adhdDiagnosis = 0.
if (mis_adhd eq 1) adhdDiagnosis = 99.
mis val adhdDiagnosis (99).
if (InattDiagCriteriaCon = 1 AND HypImpDiagCriteriaCon = 0) adhdDiagnosis = 1.
if (InattDiagCriteriaCon = 0 AND HypImpDiagCriteriaCon = 1) adhdDiagnosis = 2.
if (InattDiagCriteriaCon = 1 AND HypImpDiagCriteriaCon = 1) adhdDiagnosis = 3.
EXECUTE.

```

*SYMPTOM SCORE

*Inatt

```

compute inattSymptomScoreCon = inattConscore.
if (mis_adhd eq 1) inattSymptomScoreCon = 99.
mis val inattSymptomScoreCon (99).
EXECUTE.

```

*Hyp

```

compute hypimpSymptomScoreCon = hypimpConscore.
if (mis_adhd eq 1) hypimpSymptomScoreCon = 99.
mis val hypimpSymptomScoreCon (99).
EXECUTE.

```

*SEPARATION ANXIETY DIAGNOSIS CONSERVATIVE = sepConDiag

*SEPARATION ANXIETY SYMPTOM SCORE (CONSERVATIVE) = sepSymptomScore

SEPARATION ANXIETY**.

*A) Three symptoms are required

```

compute mis_sep = missing(p1a2).
execute.

```

```

compute DAWBAsepAnxietyConservative = 0.
if (mis_sep eq 1) DAWBAsepAnxietyConservative =99.
mis val DAWBAsepAnxietyConservative (99).
if (p1a3a eq 2) DAWBAsepAnxietyConservative = DAWBAsepAnxietyConservative+1.
if (p1a3b eq 2) DAWBAsepAnxietyConservative = DAWBAsepAnxietyConservative+1.
if (p1a3c eq 2) DAWBAsepAnxietyConservative = DAWBAsepAnxietyConservative+1.
if (p1a3d eq 2) DAWBAsepAnxietyConservative = DAWBAsepAnxietyConservative+1.
if (p1a3e eq 2) DAWBAsepAnxietyConservative = DAWBAsepAnxietyConservative+1.
if (p1a3f eq 2) DAWBAsepAnxietyConservative = DAWBAsepAnxietyConservative+1.
if (p1a3g eq 2) DAWBAsepAnxietyConservative = DAWBAsepAnxietyConservative+1.
if (p1a3i eq 2) DAWBAsepAnxietyConservative = DAWBAsepAnxietyConservative+1.
if (p1a3j eq 2) DAWBAsepAnxietyConservative = DAWBAsepAnxietyConservative+1.
if (p1a3k eq 2) DAWBAsepAnxietyConservative = DAWBAsepAnxietyConservative+1.
fre var DAWBAsepAnxietyConservative.

```

```

RECODE DAWBAsepAnxietyConservative (99=SYSMIS) (ELSE=COPY).
EXECUTE.

```

```

IF (p1a2 = 0 & p1emotion < 4) DAWBAsepAnxietyConservative =0.
EXECUTE.

```

```

if (mis_sep eq 1) DAWBAsepAnxietyConservative = 99.
mis val DAWBAsepAnxietyConservative (99).

```

```

IF (DAWBAsepAnxietyConservative >= 3) DAWBAsepAnxietyConservativeSymp=1.
EXECUTE.

```

```

IF (DAWBAsepAnxietyConservative < 3) DAWBAsepAnxietyConservativeSymp=0.
EXECUTE.

```

```

if (mis_sep eq 1) DAWBAsepAnxietyConservativeSymp = 99.
mis val DAWBAsepAnxietyConservativeSymp (99).

```

```

RECODE DAWBAsepAnxietyConservativeSymp (99=SYSMIS) (ELSE=COPY).
EXECUTE.

```

*B) The worries about separation have been present for at least 4 weeks

```

IF (p1a4 = 1) DAWBA4weeks = 1.
EXECUTE.

```

```

IF (p1a4 = 0) DAWBA4weeks = 0.
EXECUTE.

```

```

if (mis_sep eq 1) DAWBA4weeks = 99.
mis val DAWBA4weeks(99).
execute.

```


*C) Presence of clinically significant distress/ impairment

```
compute sepImpactCon=0.
if (p1a6 >=3) sepImpactCon = sepImpactCon+1.
if (p1a7a >=3) sepImpactCon = sepImpactCon+1.
if (p1a7b >= 3) sepImpactCon = sepImpactCon+1.
if (p1a7c >= 3) sepImpactCon = sepImpactCon+1.
if (p1a7d >= 3) sepImpactCon = sepImpactCon+1.
if (mis_sep eq 1) sepImpactCon = 99.
mis val sepImpactCon(99).
execute.
```

```
IF (sepImpactCon >= 1) sepImpactConScore = 1.
EXECUTE.
IF (sepImpactCon < 1) sepImpactConScore = 0.
EXECUTE.
if (mis_sep eq 1) sepImpactConScore = 99.
mis val sepImpactConScore(99).
execute.
```

```
fre var sepImpactConScore.
```

*FOR DIAGNOSIS, the presence of A, B, and C is required.

```
COMPUTE sepConDiagTotal=0.
if (DAWBAsepAnxietyConservativeSymp = 1) sepConDiagTotal = sepConDiagTotal+1.
if (DAWBA4weeks = 1) sepConDiagTotal = sepConDiagTotal+1.
if (sepImpactConScore = 1) sepConDiagTotal = sepConDiagTotal+1.
EXECUTE.
if (mis_sep eq 1) sepConDiagTotal = 99.
mis val sepConDiagTotal(99).
execute.
```

```
compute sepConDiag = 0.
IF (sepConDiagTotal = 3) sepConDiag = 1.
IF (sepConDiagTotal < 3) sepConDiag =0.
execute.
IF(mis_sep eq 1) sepConDiag = 99.
mis val sepConDiag (99).
execute.
```

** Separation anxiety - symptom score

```
compute sepSymptomScore = DAWBAsepAnxietyConservative.
```

```
execute.  
if (mis_sep eq 1) sepSymptomScore = 99.  
mis val sepSymptomScore (99).  
execute.
```