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Postpartumblödning och postpartumdepression:

*Ge adekvat blods substitution och
psykologiskt stöd på BB*

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Medarbetare

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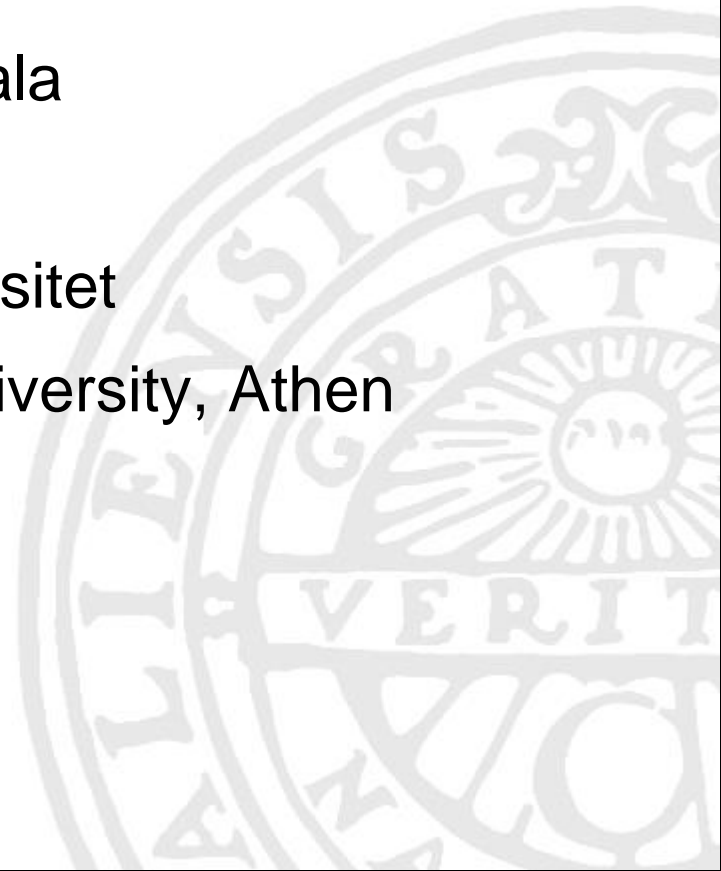
Anna-Karin Wikström, Uppsala

Ulf Högberg, Uppsala

Linnea Karlsson, Åbo Universitet

Natasa Kollia, Harokopio University, Athen

Johanna Löfblad, Uppsala





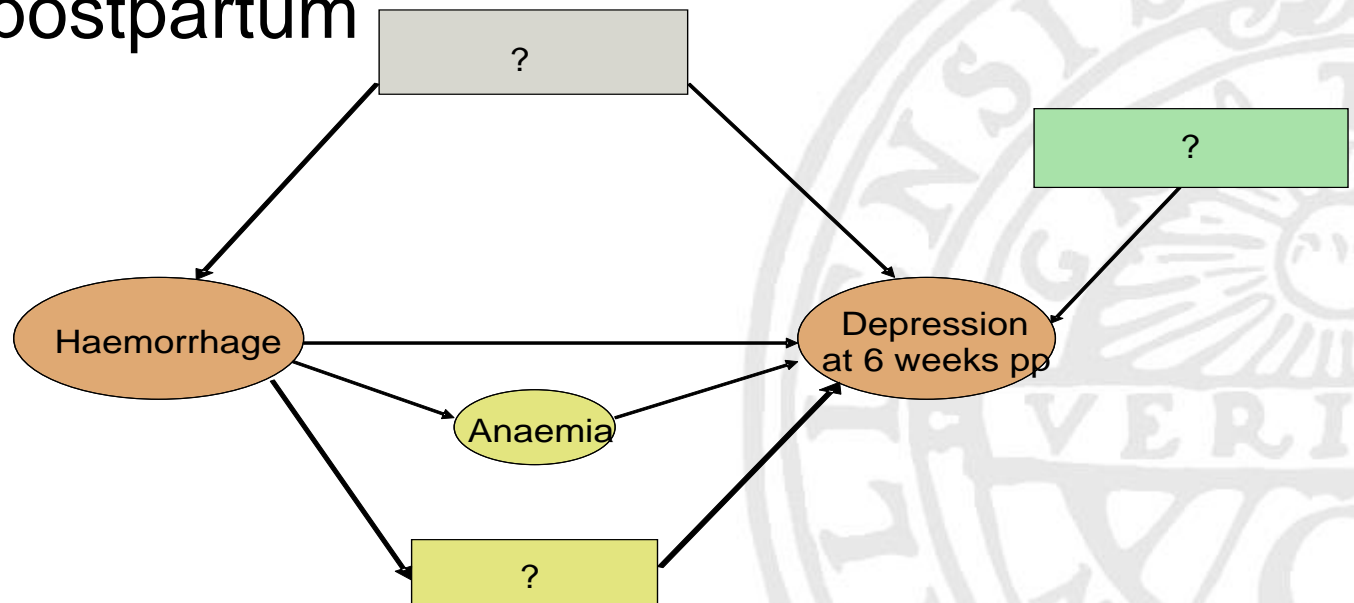
Bakgrund

- Postpartumdepression (PPD) 10-15%
(Rubertsson 2011)
- Postpartumblödning (PPH) 3-6%
(McLintock 2011)
- Association PPH-PPD? Få studier,
divergerande metoder och resultat
(Furuta 2014, Mohammad 2011, Senthiles
2011, Thompson 2011)



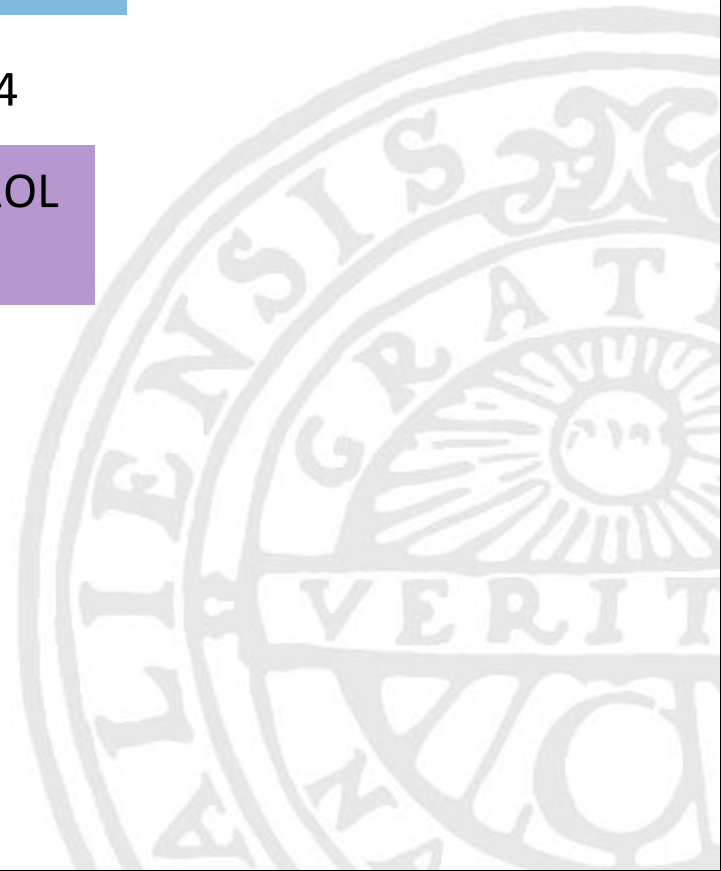
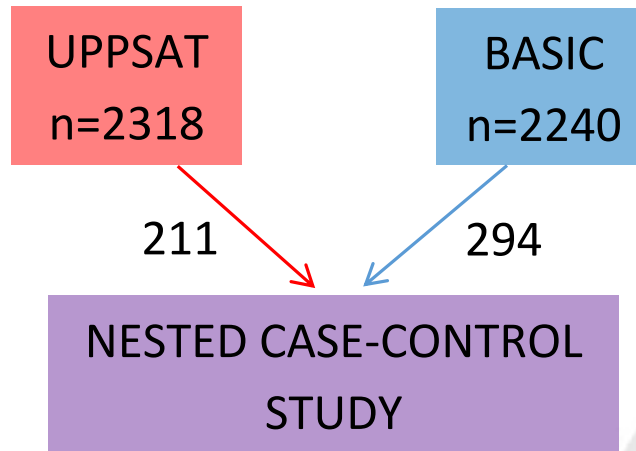
Syfte

- Att analysera associationen mellan PPH och PPD med hänsyn till kvinnans mentala hälsa, förlossningsupplevelse och anemi postpartum



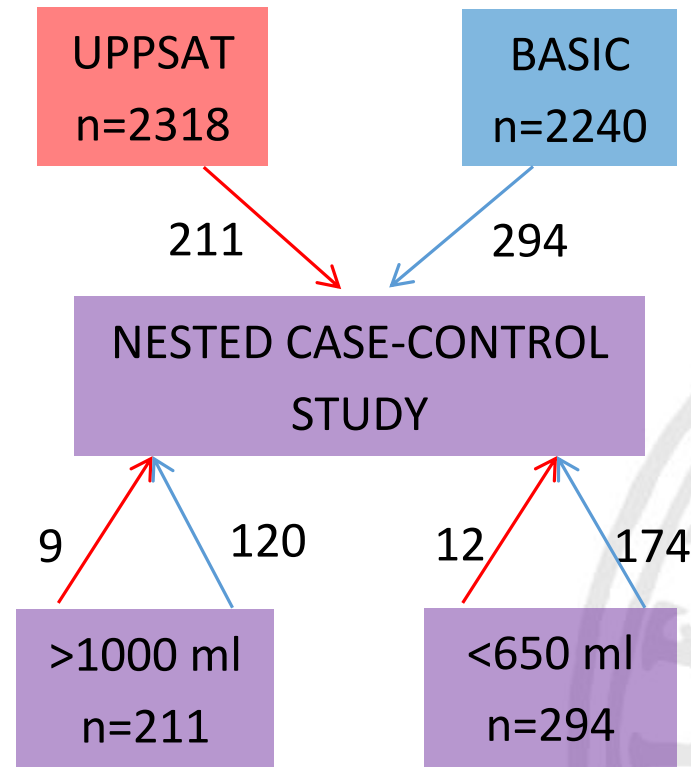


Material





Material





Material-Metod

- Post Partum Hemorraghe >1000 ml (inom 24 h) (McLintock 2011)
- Anemi postpartum: <110 mg/l
- Edinburgh Postnatal Depression Scale (EPDS) 6 veckors postpartum: 12/13p (Wickberg 1996)



Statistik

- **Univariata analyser**
PPH, EPDS
- **Logistisk regression**
Exponering: PPH/Anemi
Utfall: EPDS
Störfaktorer ($p < 0.1$)
- **Path-analys Hosmer-Lemeshow**
Goodness of fit





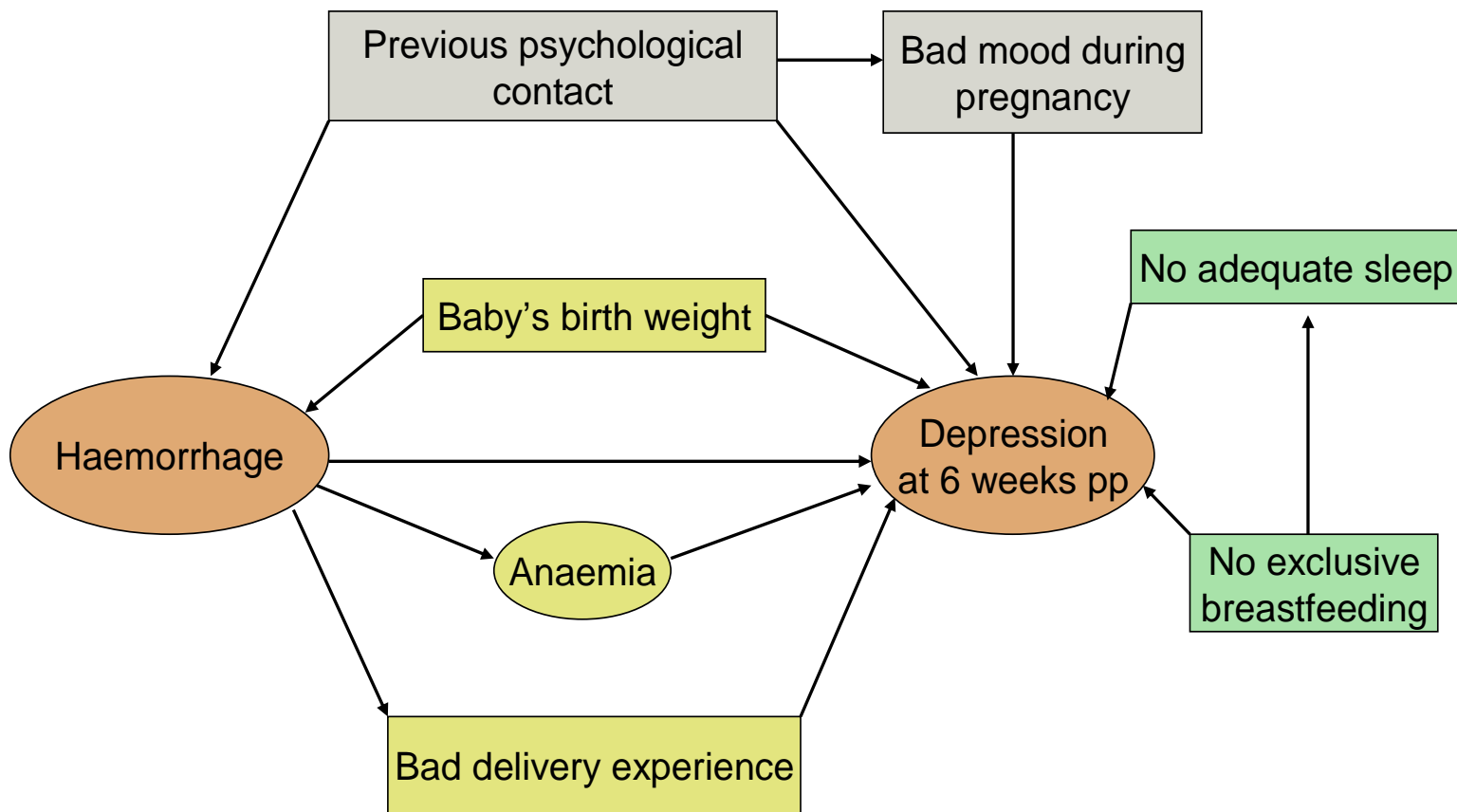
	Missing values n (%)	Haemorrhage at delivery (ml)		p- value
		< 650 n %	≥ 1000 n %	
Age (≥36 years vs < 35 years)	93 (18.4)	26 (11.0)	32 (18.3)	0.035
Previous psychological contact	68 (13.5)	64 (25.5)	63 (33.9)	0.057
Mode of delivery (Caesarean vs Vaginal)	40 (7.9)	38 (14.4)	70 (34.8)	<0.001
Experience o delivery (Bad vs Very good/Ok)	123 (24.4)	19 (8.9)	25 (14.9)	0.068
Baby's birth weight (≥4 kg vs <4 kg)	27 (5.3)	54 (19.9)	60 (29.0)	0.021
Placenta retention	81 (16.0)	1 (0.4)	52 (28.1)	<0.001
Severe laceration (grade 3-4 vs grade 1-2)	159 (31.5)	6 (2.8)	9 (7.0)	0.063
Preterm delivery (<37 weeks vs ≥37 weeks)	9 (1.8)	15 (5.3)	21 (10.0)	0.047
Anaemia during hospital stay (Hb<110 g/L vs Hb≥110 g/L)	268 (53.1)	10 (35.7)	184 (88.0)	<0.001
Anaemia at discharge from hospital (Hb<110 g/L vs Hb≥110 g/L)	29 (5.7)	9 (3.4)	175 (82.9)	<0.001
Anaemia 6- 8 weeks postpartum (Hb<120 g/L vs Hb≥120 g/L)	170 (33.7)	14 (7.5)	16 (10.7)	0.306
Depression at 6 weeks postpartum (EPDS≥12 vs EPDS<12)	71 (14.1)	26 (10.4)	24 (13.0)	0.394

Distribution of study participants by demographic, perinatal and clinical characteristics and hemorrhage at delivery.



		Missing	Depression at 6 weeks postpartum		
		values	EPDS: 0-11	EPDS: 12-30	p-
		n (%)	n(%)	n(%)	value
BMI before pregnancy (kg/m ²)	< 30	140 (27.7)	306 (94.2)	33 (82.5)	0.015
	≥ 30		19 (5.8)	7 (17.5)	
Employment	Employed	283 (56.0)	183 (90.1)	14 (73.7)	0.047
	Student/Unemployed		20 (9.9)	5 (26.3)	
Previous psychological contact	No	115 (22.8)	254 (73.2)	24 (55.8)	0.017
	Yes		93 (26.8)	19 (44.2)	
Lowest Hb during pregnancy (g/L)	≥ 110	76 (15.0)	295 (77.6)	32 (65.3)	0.056
	< 110		85 (22.4)	17 (34.7)	
Mood during pregnancy	Good/Ok	135 (26.7)	268 (81.2)	22 (55.0)	<0.001
	Sad		62 (18.8)	18 (45.0)	
Mode of delivery	Vaginal	86 (17.0)	291 (78.6)	36 (73.5)	0.411
	Caesarean		79 (21.4)	13 (26.5)	
Experience of delivery	Very good/Ok	146 (28.9)	285 (89.3)	31 (77.5)	0.039
	Bad		34 (10.7)	9 (22.5)	
Baby's birth weight (kg)	< 4	94 (18.6)	278 (76.4)	31 (66.0)	0.120
	≥ 4		86 (23.6)	16 (34.0)	
Anaemia at discharge from hospital	Hb≥110 g/L	92 (18.2)	234 (63.9)	22 (46.8)	0.023
	Hb<110 g/L		132 (36.1)	25 (53.2)	
Exclusive breastfeeding at 6 weeks postpartum	Yes	94 (18.6)	276 (76.2)	27 (55.1)	0.002
	No		86 (23.8)	22 (44.9)	
Adequate sleep at 6 weeks postpartum (>6 h)	Yes	91 (18.0)	220 (60.4)	22 (44.0)	0.027
	No		144 (39.6)	28 (56.0)	

Distribution of study participants by demographic, perinatal and clinical characteristics and self-reported depression status at 6 weeks postpartum.



Grafisk bild av den konceptuella path-analys modellen.



Resultat

	Model 1	Model 2	Model 3
	OR (95% CI)	OR (95% CI)	OR (95% CI)
Hemoglobin at discharge from hospital (<110 g/L vs ≥ 110 g/L)	1.92 (1.01-3.67)	1.92 (0.97-3.78)	2.05 (0.99-4.24)
Previous psychological contact	2.05 (1.06-3.94)	1.79 (0.90-3.56)	1.54 (0.74-3.24)
Experience of delivery (bad vs very good/ok)		2.24 (0.96-5.24)	2.35 (0.96-5.75)
Mood during pregnancy (sad vs very good/ok)			2.97 (1.41-6.26)
No exclusive breastfeeding at 6 weeks pp and/or no adequate sleep			2.00 (0.90-4.44)

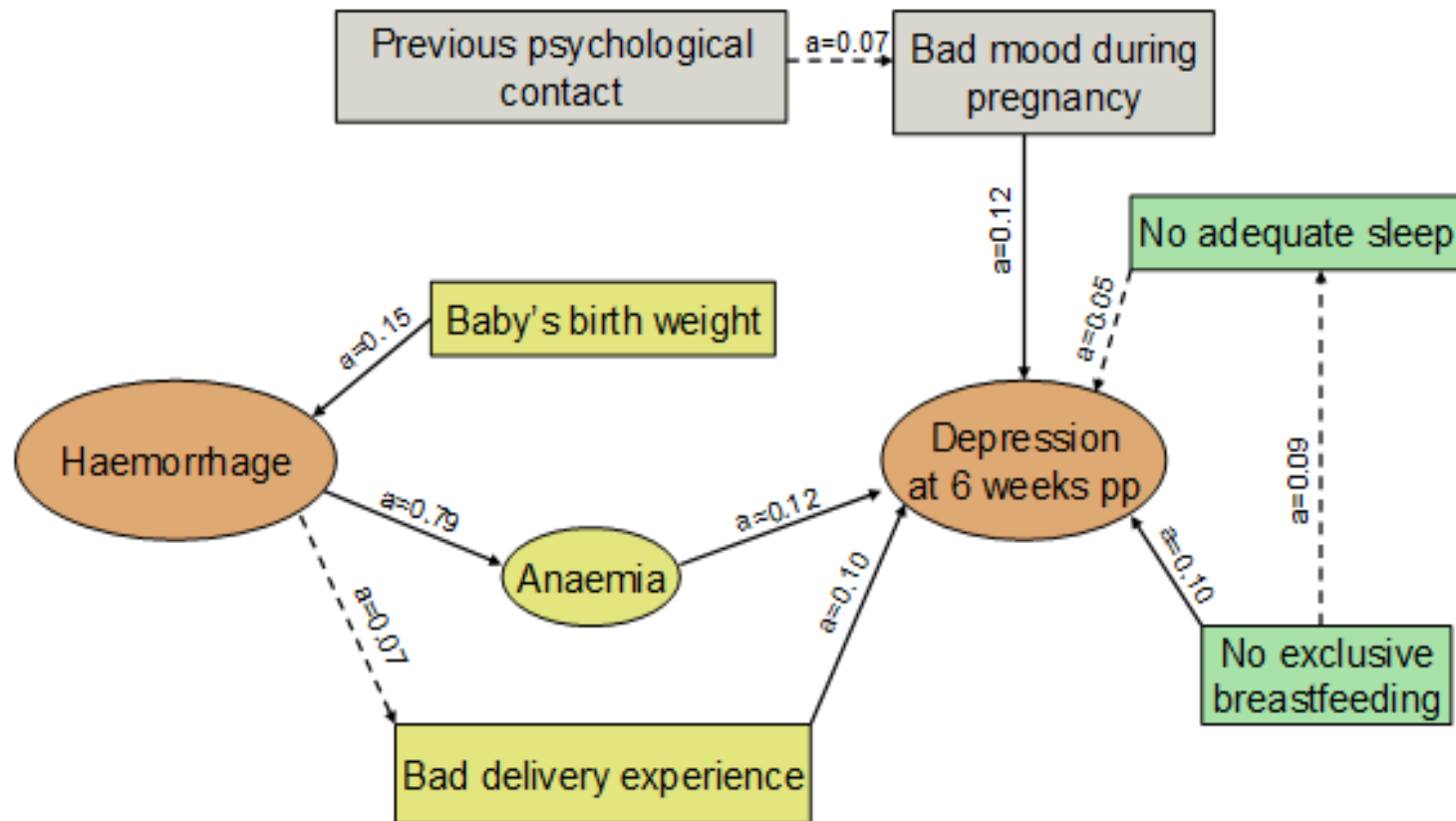
Regression nested models for self-reported depression status (EPDS_≥12) at 6 weeks postpartum.



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Regression nested models for self-reported depression status (EPDS_≥12) at 6 weeks postpartum.



a =korrelationskoefficient
heldragen linje = $p < 0.05$
streckad linje = $p 0.05- 0.20$

Grafisk bild av signifikant path-analys.



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DISKUSSION

- Komplext fenomen
- Adekvat substitution
- Adekvat psykologiskt stöd





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Tack !





Resultat

