



Bilaga till rapport

1 (1)

SBU Utvärderar: Förlossningsrädsla,
depression och ångest under
graviditet, rapport nr 322 (2021)

Appendix 4 Table over included studies, identifying fear of childbirth

Bilaga 4: Included studies; identification of fear of childbirth

1.1 Abbreviations

N= number of participants; PPV= positive predictive value; NPV= negative predictive value; AOC= area under the curve (for a receiver operating characteristic curve; ROC curve); Na= not available; WDEQ-A= Wijma Delivery Expectancy Questionnaire; FOBS= Fear of Birth Scale

1.2 Tables

Author	Haines
Year	2015
Country	Australia
Ref #	[1]
Study design	Cohort (secondary analysis of an RCT)
Recruitment	Pregnant women from antenatal clinics
Target condition	Fear of childbirth
Setting	Antenatal clinics in Queensland Australia. Secondary analysis of a RCT designed to test the effectiveness of a midwife led psycho-education intervention to reduce childbirth fear.
Population	1410 unselected pregnant women, age mean (SD)= 28 (5.4)
N in all tests	1383
Exclusions	Lost to follow-up= 27 no exclusions based on psycho-social, medical or obstetric reasons
Clinical presentation	WDEQ-A mean (SD)= 49 (22) nulliparous= 609 (43%) multiparous= 801 (57%) Most recent previous birth for the multiparous women: - normal vaginal birth= 522 (65.4%) - operative vaginal delivery= 131 (16.3%) - emergency caesarean = 78 (9.7%) - elective caesarean= 63 (7.8%)
Index test(s)	FOBS
Reference test	WDEQ-A (cut-off ≥ 85)
Time for testing	during the second trimester
Examiners	Patient reported outcomes
Prevalence	
Sensitivity,	FOBS (cut-off= 54) sensitivity = 89%
Specificity	FOBS (cut-off= 54) specificity= 79%
AUC, correlations	AUC= 0.89; Spearman's rho = 0.66 (p < 0.001)
Results calculated from raw N	FOBS (cut-off= 54) sensitivity (95%CI) = 0.85 (0.75 to 0.93) FOBS (cut-off= 54) specificity (95%CI) = 0.80 (0.78 to 0.82)
Comments	
Risk of bias	Low

Author	Rouhe
Year	2009
Country	Finland
Ref #	[2]
Study design	cohort

SBU-rapport 2021/322. Förlossningsrädsla, depression och ångest under graviditet. Fear of childbirth, depression and anxiety during pregnancy. www.sbu.se/322

Recruitment	Consecutive visiting patients at the maternity outpatient clinics of a university hospital
Target condition	Fear of childbirth
Setting	outpatient maternity clinics of a university central hospital
Population	1400 unselected pregnant women; age mean (range) = 30.5 (16 to 47)
N in all tests	1348
Exclusions	excluding those who - booked for caesarean section (n=44) - not pregnant (n=6) - previous two or more caesarean sections (n=3)
Clinical presentation	W-DEQ mean (SD) = 68.3 (21.1) gestational age mean (range) = 22.2 (7–42) weeks nulliparous = 582 (43.3%) multiparous = 763 (56.7%)
Index test(s)	visual analogue scale (VAS), how afraid they were of childbirth (answer by a mark on VAS line from 0 to 10)
Reference test	WDEQ-A (cut-off ≥ 100)
Time for testing	During pregnancy (no specific week), no delay between tests
Examiners	Patient reported outcomes
Prevalence	W-DEQ (cut-off ≥ 100) = 38 nulliparous + 55 parous = 93 patients
Sensitivity, Specificity	VAS (cut-off= 5) sensitivity = 97.8% VAS (cut-off= 5) specificity = 65.7% VAS (cut-off= 6) sensitivity = 89.2% VAS (cut-off= 6) specificity = 76.3%
PPV, NPV	
AUC, correlations	Pearson's $r = 0.7$ ($p = 0.01$)
Comments	
Risk of bias	Moderate

Author	Storksén
Year	2012
Country	Norway
Ref #	[3]
Study design	cohort
Recruitment	pregnant women in gestational week 17 were approached to be recruited at the routine fetal ultrasound examination at the hospital.
Target condition	Fear of childbirth, anxiety, depression
Setting	Prenatal public healthcare in Norway
Population	Pregnant women (n=1642), mean age (SD) = 31 (4.7) years range 18–45 years)
N in all tests	1642
Exclusions	Women who could not speak Norwegian were excluded
Clinical presentation	W-DEQ mean (SD) = 56.8 (20.1) nulliparous = 49.9% multiparous = 50.1%
Index test(s)	numeric rating scale, "How much do you fear childbirth?" from 0 (not at all) to 10 ('extremely much') (NRS; cut-off ≥ 9)
Reference test	WDEQ (cut-off ≥ 85)
Time for testing	gestational week 17
Examiners	Patient reported outcomes
Prevalence	WDEQ $\geq 85 = 137/1642$ (8%), NRS $\geq 9 = 94/1642$ (6%)
Sensitivity, Specificity	Na, Na
PPV, NPV	Na

AUC, correlations	Spearman's rho = 0.57
Comments	
Risk of bias	Moderate

1.3 References

1. Haines HM, Pallant JF, Fenwick J, Gamble J, Creedy DK, Toohill J, et al. Identifying women who are afraid of giving birth: A comparison of the fear of birth scale with the WDEQ-A in a large Australian cohort. *Sexual & reproductive healthcare : official journal of the Swedish Association of Midwives* 2015;6:204-10.
2. Rouhe H, Salmela-Aro K, Halmesmaki E, Saisto T. Fear of childbirth according to parity, gestational age, and obstetric history. *BJOG: An International Journal of Obstetrics & Gynaecology* 2009;116:67-73.
3. Storksen HT, Eberhard-Gran M, Garthus-Niegel S, Eskild A. Fear of childbirth; the relation to anxiety and depression. *Acta Obstetrica et Gynecologica Scandinavica* 2012;91:237-242.