

Prospective associations of age at complementary feeding and exclusive breastfeeding duration with relative weight at 5 - 6 years within different risk groups

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Supporting information

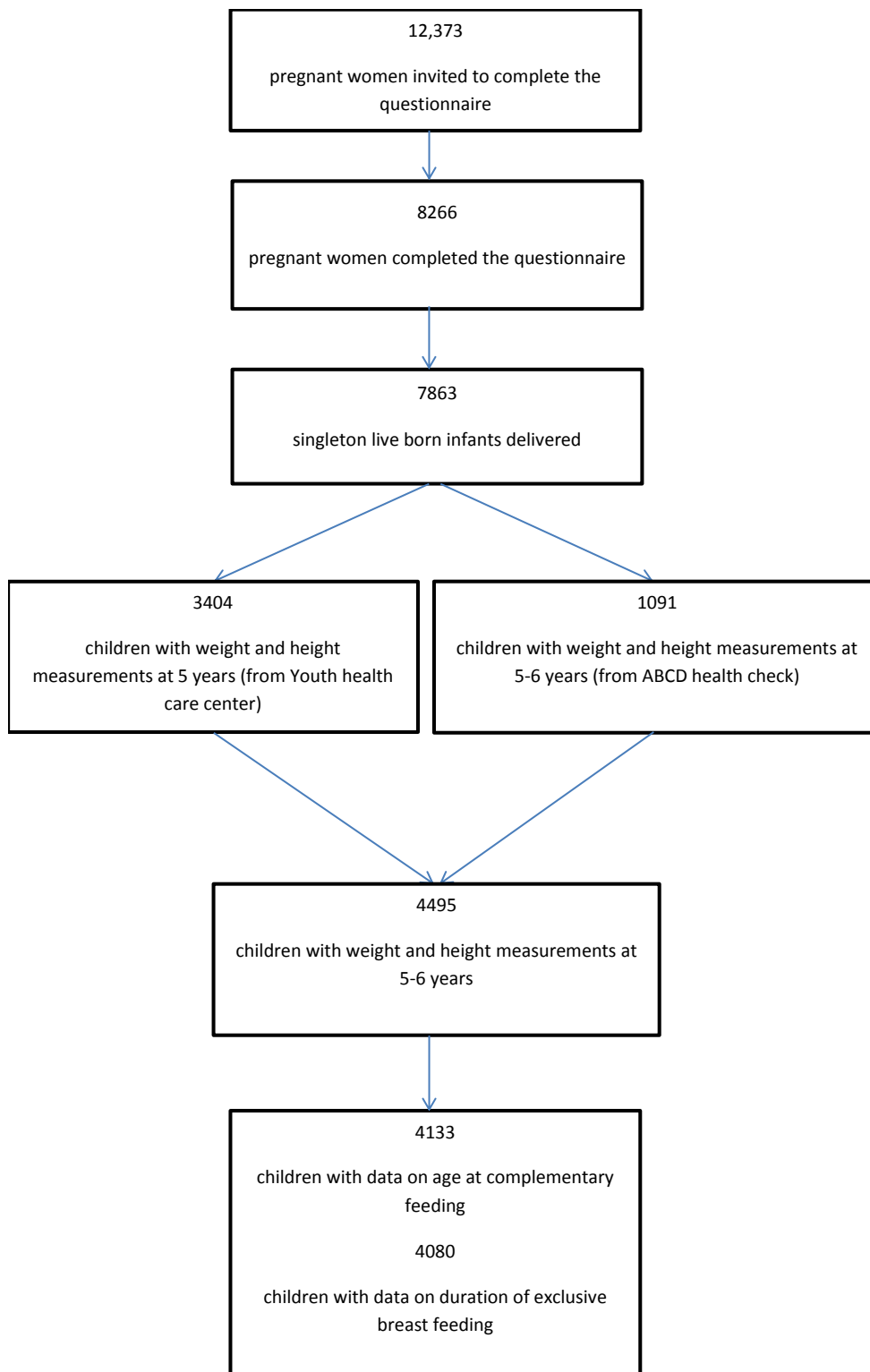


Figure S1. Selection of the study population

Table S1. Risk groups by age at complementary feeding (n =4133) and duration of exclusive breastfeeding (n =4080)

	Age at complementary feeding		Duration of exclusive breastfeeding		
	< 5 months (n=1094)	≥ 5 months (n=3039)	< 3 months (n=2223)	3 - 5.9 months (n=1321)	≥ 6 months (n=536)
Ethnicity % (N)¹					
Dutch	26.8 (652)	73.2 (1783)	51.3 (1237)	35.3 (851)	13.4 (323)
Turkish	20.6 (43)	79.4 (166)	52.7 (109)	33.8 (70)	13.5 (28)
Moroccan	23.9 (80)	76.1 (255)	63.5 (207)	21.8 (71)	14.7 (48)
Surinamese	34.6 (90)	65.4 (170)	78.6 (202)	14.8 (38)	6.6 (17)
Education level % (N)²					
Low	30.1 (241)	69.9 (559)	68.0 (534)	20.0 (157)	12.0 (94)
Medium	29.4 (443)	70.6 (1065)	58.6 (874)	29.5 (440)	11.9 (177)
High	22.6 (405)	77.4 (1389)	45.0 (798)	40.4 (716)	14.6 (259)
Pre-pregnancy BMI % (N)²					
Normal	25.3 (797)	74.7 (2347)	52.5 (1628)	34.4 (1066)	13.2 (408)
Overweight	28.7 (200)	71.3 (496)	58.8 (405)	27.1 (187)	14.1 (97)
Obese	33.3 (94)	66.7 (188)	65.8 (183)	23.7 (66)	10.4 (29)
Neighbourhood % (N)²					
Low risk	21.0 (234)	79.0 (878)	46.8 (513)	39.3 (431)	13.9 (152)
Medium risk	26.9 (492)	73.1 (1336)	55.4 (1003)	31.4 (569)	13.1 (238)
High risk	30.9 (368)	69.1 (822)	60.3 (707)	27.2 (319)	12.5 (146)

¹Total N=3601 due to exclusion of ‘‘other’’ ethnicities (n=894 for age at complementary feeding, n=879 exclusive breast feeding). ²Missing data per risk group: education level n=31 (0.7 %), pre-pregnancy BMI n=11 (0.3 %), neighbourhood n=3 (0.1 %).

Table SII. Associations between age at complementary feeding and BMI-SDS at age 5-6 years by risk groups, linear regression, adjusted models

	Model 2		Model 35	
	B	(95% CI)	B	(95% CI)
All	-0.09*	(-0.16, -0.02)	-0.10**	(-0.17, -0.02)
Ethnicity¹				
Dutch	-0.10*	(-0.18, -0.02)	-0.10*	(-0.18, -0.02)
Turkish	0.00	(-0.44, 0.44)	0.07	(-0.35, 0.49)
Moroccan	-0.13	(-0.40, 0.15)	-0.14	(-0.43, 0.15)
Surinamese	-0.04	(-0.34, 0.26)	-0.00	(-0.30, 0.29)
Education level²				
Low	-0.11	(-0.29, 0.07)	-0.13	(-0.32, 0.06)
Medium	-0.18**	(-0.29, -0.07)	-0.17**	(-0.28, -0.05)
High	-0.01	(-0.09, 0.10)	0.04	(-0.06, 0.13)
Pre-pregnancy BMI³				
Normal	-0.09*	(-0.16, -0.01)	-0.07	(-0.15, 0.01)
Overweight	-0.18*	(-0.35, -0.01)	-0.17	(-0.35, 0.01)
Obese	-0.06	(-0.26, 0.37)	0.06	(-0.26, 0.38)
Neighbourhood⁴				
Low risk	-0.08	(-0.20, 0.08)	-0.04	(-0.16, 0.09)
Medium risk	-0.05	(-0.16, 0.08)	-0.06	(-0.17, 0.05)
High risk	-0.15*	(-0.32, -0.02)	-0.16*	(-0.30, -0.02)

¹Model 2 is adjusted for education level, pre-pregnancy BMI and neighborhood.

² Model 2 is adjusted for ethnicity, pre-pregnancy BMI and neighborhood.

³ Model 2 is adjusted for ethnicity, education level and neighborhood.

⁴ Model 2 is adjusted for ethnicity level, education level and pre-pregnancy BMI.

⁵ Model 3 is adjusted for birth weight and duration of any breastfeeding (instead of model 2 covariates).

*p<0.05, **p<0.01

Table SIII. Associations between duration of exclusive breastfeeding and BMI-SDS at age 5-6 years by risk groups, linear regression, adjusted models

	Model 2		Model 3 ⁵	
	3 - 5.9 months B (95% CI)	≥ 6 months B (95% CI)	3 - 5.9 months B (95% CI)	≥ 6 months B (95% CI)
All	-0.00 (-0.06, 0.07)	-0.16** (-0.25, -0.06)	-0.07* (-0.14, -0.01)	-0.21*** (-0.30, -0.11)
Ethnicity¹				
Dutch	-0.02 (-0.10, 0.06)	-0.10 (-0.20, 0.02)	-0.06 (-0.14, 0.02)	-0.15** (-0.25, -0.04)
Turkish	0.01 (-0.37, 0.40)	-0.14 (-0.68, 0.41)	0.01 (-0.37, 0.39)	-0.07 (-0.59, 0.45)
Moroccan	0.09 (-0.21, 0.39)	-0.25 (-0.61, 0.10)	0.14 (-0.16, 0.44)	-0.25 (-0.60, 0.10)
Surinamese	0.04 (-0.38, 0.46)	-0.41 (-0.99, 0.17)	-0.14 (-0.54, 0.26)	-0.39 (-0.96, 0.19)
Education level²				
Low	0.09 (-0.12, 0.30)	-0.27* (-0.53, -0.01)	0.07 (-0.14, 0.28)	-0.32* (-0.58, -0.06)
Medium	-0.05 (-0.16, 0.07)	-0.24** (-0.40, -0.08)	-0.07 (-0.19, 0.05)	-0.30*** (-0.46, -0.14)
High	0.03 (-0.06, 0.11)	-0.04 (-0.16, 0.09)	0.03 (-0.06, 0.11)	-0.04 (-0.16, 0.09)
Pre-pregnancy BMI³				
Normal	-0.03 (-0.10, 0.05)	-0.17** (-0.27, -0.07)	-0.06 (-0.13, 0.01)	-0.20*** (-0.30, -0.10)
Overweight	0.20* (0.01, 0.38)	-0.11 (-0.35, 0.13)	0.12 (-0.07, 0.30)	-0.20 (-0.43, 0.04)
Obese	-0.06 (-0.43, 0.31)	-0.04 (-0.55, 0.47)	-0.06 (-0.41, 0.28)	-0.03 (-0.51, 0.46)
Neighbourhood⁴				
Low risk	-0.02 (-0.13, 0.09)	-0.13 (-0.28, 0.03)	-0.02 (-0.13, 0.09)	-0.13 (-0.28, 0.02)
Medium risk	-0.02 (-0.09, 0.12)	-0.11 (-0.25, 0.03)	-0.09 (-0.20, 0.01)	-0.20** (-0.34, -0.06)
High risk	0.03 (-0.11, 0.18)	-0.22* (-0.42, -0.03)	-0.05 (-0.20, 0.10)	-0.27* (-0.46, -0.07)

¹Model 2 is adjusted for education level, pre-pregnancy BMI and neighborhood.

²Model 2 is adjusted for ethnicity, pre-pregnancy BMI and neighborhood.

³Model 2 is adjusted for ethnicity, education level and neighborhood.

⁴Model 2 is adjusted for ethnicity level, education level and pre-pregnancy BMI.

⁵Model 3 is adjusted for birth weight (instead of model 2 covariates).

*p<0.05, **p<0.01, ***p<0.001