

Occupational lifting during pregnancy and risk of fetal death in a large national cohort study

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¹ Supplementary tables A–B

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Table A. Adjusted hazard ratios (HR) for late miscarriage and stillbirth according to occupational heavy lifting during pregnancy—restricted to prospectively collected data. The Danish National Birth Cohort 1996–2002. N=69 468. [95% CI=95% confidence interval]

	13–21 weeks (N=59 699/465 events)						≥22 weeks (N=68 829/337 events)				
	Total	Fetal deaths	HR	HR ^a	95% CI	P-value for trend	Fetal deaths	HR	HR ^a	95% CI	P-value for trend
Lifted per day (kg)						0.40					0.30
0–14	51 266	326	1.00	1.00			256	1.00	1.00		
15–100	9520	61	0.90	0.88	0.66–1.17		38	0.78	0.77	0.53–1.11	
101–200	3711	30	1.04	1.00	0.68–1.50		23	1.22	1.15	0.72–1.82	
>200	4971	48	1.26	1.21	0.87–1.67		20	0.81	0.72	0.45–1.17	
Heavy lifts per day (>20 kg) ^b											
0	60 868	402	1.00	1.00			302	1.00	1.00		
1–3	3747	20	0.68	0.68	0.41–1.11	0.23	19	0.99	1.01	0.61–1.67	0.05
4–10	3556	34	1.19	0.92	0.60–1.41		16 ^c	0.66	0.53	0.30–0.95	
>10	1297	9	0.86	0.67	0.32–1.41						
Medium lifts per day (11–20 kg) ^b						0.21					0.63
0	52 334	336	1.00	1.00			258	1.00	1.00		
1–3	7417	38	0.72	0.77	0.53–1.11		30	0.81	0.80	0.55–1.17	
4–10	6709	65	1.28	1.32	0.94–1.88		49 ^c	1.01	1.17	0.79–1.74	
>10	3008	26	1.15	1.25	0.79–2.00						

^a Adjusted for age at conception, parity, pre-pregnant body mass index, occupational status, and, in pregnancy: smoking, alcohol consumption, physical exercise/training, leisure-time lifting, and predominant work posture.

^b Heavy and medium lifts per day were mutually adjusted.

^c >3 lifts. Due to few events, the higher groups were collapsed.

Table B. Odds ratios (OR) for reporting any daily occupational lifting among women with fetal death according to mode of data collection (prospective versus retrospective) by gestational week at time of fetal death. The Danish National Birth Cohort, 1996–2002. [95% CI=95% confidence interval]

	Prospective data		Retrospective data		Exposure OR ^a	95% CI	P-value
	Lifting (N)	No lifting (N)	Lifting (N)	No lifting (N)			
Gestational weeks							0.1586
11	12	29	105	301	1.19	0.58–2.41	
12	10	54	90	257	0.53	0.26–1.08	
13	26	42	47	120	1.58	0.87–2.86	
14	20	37	21	69	1.78	0.86–3.69	
15	13	33	14	39	1.10	0.45–2.66	
16	12	29	12	27	0.93	0.36–2.42	
17	15	33	11	14	0.58	0.21–1.57	
Overall, weeks 11–17	108	257	300	827	1.16	0.89–1.50	

^a $(N, \text{exposed}^{\text{prospective data}}/N, \text{unexposed}^{\text{prospective data}})/(N, \text{exposed}^{\text{retrospective data}}/N, \text{unexposed}^{\text{retrospective data}})$