

Supplementary file 7: Summary of findings of studies included in meta-analysis for small for gestational age [d=day, wk=week]

Report	Exposure	Developed countries and study period > 1975	Response rate $\geq 80\%$	Prospective assessment of exposure	Quantitative definition of lifting (weight / frequency)	Adequate control of personals factors	Adequate control of other occupational exposures	Validity score	Risk estimates ^a (95% CI)
1) Lifting < 12 kg									
Ahlborg 1990 [19]	< 12 kg, ≥ 10 x /wk	•	•	•	•	•		15.00	0.56 (0.17 – 1.79)
Croteau 2006 [53]	1-6 kg	•	•			•	•	14.00	0.95 (0.77 – 1.18)
Fortier 1995 [70]	1-9 kg	•	•			•	•	13.50	1.03 (0.77 – 1.38)
2) Lifting unspecified weight or ≥ 5 kg									
Ahlborg 1990 [19]	any weight, < 10 x /wk	•	•	•		•		14.00	0.57 (0.25 – 1.28)
Croteau 2006 [53]	≥ 7 kg	•	•			•	•	14.00	1.16 (0.92 – 1.46)
Hatch 1997 [50]	lifting very often	•		•		•		10.75	1.1 (0.6 – 2.1) ^b
3) Heavy lifting or ≥ 10 kg - ≤ 10 x per day (≤ 50 x / wk) or rarely									
Ahlborg 1990 [19]	≥ 12 kg, 10-50 x /wk	•	•	•	•	•		15.00	0.88 (0.41 – 1.87)
Bodin 1999 [30]	≥ 10 kg, ≤ 50 x /wk	•	•		•			9.75	1.15 (0.86 – 1.56) ^c
Henriksen 1994 [32]	≥ 12 kg, < 10 x /d	•	•	•	•			12.75	1.02 (0.77 – 1.34) ^c
Juhl 2014 [71]	11-20 kg or > 20 kg, 1-10 x / d	•		•	•	•	•	13.75	0.99 (0.91 – 1.09) ^d
Lerman 2001 [27]	heavy lifting, 5-25 x /wk							5.00	0.70 (0.29 – 1.68)
Pompeii 2005 [51]	≥ 11.3 kg, 1-12 x /wk	•		•	•	•		12.00	1.0 (0.7 – 1.5)
Snijder 2012 [39]	≥ 25 kg, occasionally	•		•		•		10.50	2.41 (1.43 – 4.08)
Tuntiseranee 1998 [40]	>12 kg, 1-10 x /d		•	•	•		•	14.00	0.5 (0.1 – 1.7)
4) Heavy lifting or ≥ 10 kg - unspecified frequency or ≥ 1 x per day (≥ 5 x /wk)									
Bonzini 2009 [48]	≥ 25 kg	•		•		•		11.50	1.06 (0.44 – 2.55)
Fortier 1995 [70]	≥ 10 kg	•	•			•	•	13.50	1.03 (0.71 – 1.51)
Lerman 2001 [27]	heavy lifting, > 25 x /wk							5.00	1.20 (0.48 – 3.01)
Nurminen 1989 [75]	≥ 10 kg or moving a patient	•	•			•		12.00	1.8 (1.1 – 2.9)
Pompeii 2005 [51]	≥ 11.3 kg, > 12 x /wk	•		•	•	•		12.00	1.2 (0.6 – 2.2)
5) Heavy lifting or ≥ 10 kg - ≥ 10 x per day (> 50 x / wk) or often									
Ahlborg 1990 [19]	≥ 12 kg, > 50 x /wk	•	•	•	•	•		15.00	0.65 (0.24 – 1.77)
Armstrong 1989 [49]	heavy lifting, ≥ 15 x /d	•	•			•		10.50	1.12 (1.01 – 1.24) ^c
Bodin 1999 [30]	≥ 10 kg, > 50 x /wk	•	•		•			9.75	1.02 (0.57 – 1.80) ^c
Henriksen 1994 [32]	≥ 12 kg, ≥ 10 x /d	•	•	•	•			12.75	0.86 (0.55 – 1.35) ^c

^a Odds ratios or relative risks

^b RE for women exposed at 36 wk : 1.3 (0.7 – 2.6)

^c RE and 95% CI calculated using Epi Info[77] with data provided in the report.

^d RE obtained by combining the results corresponding to the two following exposure categories: (11-20 kg, 1-10 x / d) and (> 20 kg, 1-10 x / d), assuming non independence for the 95% CI.

Report	Exposure	Developed countries and study period > 1975	Response rate $\geq 80\%$	Prospective assessment of exposure	Quantitative definition of lifting (weight / frequency)	Adequate control of personals factors	Adequate control of other occupational exposures	Validity score	Risk estimates ^a (95% CI)
Juhl 2014 [71]	11-20 kg or > 20 kg, > 10 x / d	•	•	•	•	•	•	13.75	1.09 (0.91 – 1.31) ^e
Magann 2005 [34]	≥ 11.3 kg, > 6 x / hour	•	•	•	•	•	•	13.75	0.59 (0.20 – 1.74)
Snijder 2012 [39]	≥ 25 kg, often	•	•	•	•	•	•	10.50	1.85 (0.70 – 4.88)

^e RE obtained by combining the results corresponding to the two following exposure categories: (11-20 kg, > 10 x / d) and (> 20 kg, > 10 x / d), assuming non independence for the 95% CI.