

Supplemental Information

SUPPLEMENTAL TABLE 2 Summary of Published Study Results of Bed Sharing

Study ^a	Variable	Reference Group	Unadjusted Odds Ratio (95% Confidence Interval ^b)	Adjusted Univariate Odds Ratio (95% Confidence Interval ^b)	Adjusted Multivariate Odds Ratio (95% Confidence Interval ^b)
General					
Blair et al 1999 ¹	Last sleep: bed shared	Last sleep: room shared, no bed sharing	—	2 (1.4–2.9)	—
Blair et al 1999 ¹	Last sleep: bed shared, but not all night long	Last sleep: room shared, no bed sharing	—	0.7 (0.4–1.1)	0.67 (0.22–2.0)
Blair et al 1999 ¹	Last sleep: bed shared all night long	Last sleep: room shared, no bed sharing	—	2.8 (1.9–4.1)	9.8 (4.0–23.8)
Blair et al 1999 ¹	Usual bed sharing	Usual room sharing without bed sharing	—	3 (1.9–4.6)	—
Blair et al 2009 ²	Last sleep: coslept on parental bed or sofa	Last sleep: room shared, no bed sharing (high-risk controls)	—	—	10.04 (2.80–36.24)
Blair et al 2009 ²	Last sleep: coslept on parental bed or sofa	Last sleep: room shared, no bed sharing (random controls)	—	—	21.77 (3.79–125.0)
Blair et al 2014 ³	Last sleep: bed shared	Last sleep: no bed sharing	—	3.19 (2.47–4.12)	3.91 (2.72–5.62)
Blair et al 2014 ³	Age group: <98 d; last sleep: bed shared	Age group: <98 d; last sleep: no bed sharing	—	5.24 (3.71–7.39)	—
Blair et al 2014 ³	Age group: ≥98 d old; last sleep: bed shared	Age group: ≥98 d; last sleep: no bed sharing	—	1.40 (0.91–2.15)	—
Carpenter et al 2004 ⁴	Usual room sharing without bed sharing	Infants who did not die of SIDS	—	0.56	0.48 (0.34–0.69)
Carpenter et al 2004 ⁴	Last night: room sharing without bed sharing	Infants who did not die of SIDS	—	0.4	0.32 (0.19–0.55)
Carpenter et al 2013 ⁵	Age group: <3 mo; bed sharing; smoking: no; alcohol: no	Age group: <3 mo; room sharing; smoking: no; alcohol: no	—	—	5.1 (2.3–11.4)
Carpenter et al 2013 ⁵	Age group: <3 mo; bed sharing; smoking: both parents; alcohol: no	Age group: <3 mo; room sharing; smoking: no; alcohol: no	—	—	21.6 (11.1–42.3)
Fleming et al 1996 ⁶	Last sleep: bed sharing >1 h	Infants who did not die of SIDS	1.86 (1.23–2.81)	—	—
Fleming et al 1996 ⁶	Last sleep: bed shared all night	Infants who did not die of SIDS	4.12 (2.30–7.40)	—	4.4 (1.6–11.9)
Fleming et al 1996 ⁶	Bed sharing without consumption of alcohol	Infants who did not die of SIDS	2.9 (1.4–5.9)	—	—
Fleming et al 1996 ⁶	Usual bed sharing	Infants who did not die of SIDS	2.04 (1.36–3.07)	—	—
Fu et al 2010 ⁷	Bed sharing with no pillow	No bed sharing, no pillow	3.33 (1.9–5.5)	—	2.9 (1.5–5.3)
Fu et al 2010 ⁷	Age group: <1 mo; bed sharing	Age group: <1 mo; no bed sharing	6.6 (1.4–31.1)	—	7.1 (1.2–42.1)
Fu et al 2010 ⁷	Age group: 1–3 mo; bed sharing	Age group: <1 mo; no bed sharing	3.3 (0.8–13.0)	—	2.8 (0.7–12.1)
Fu et al 2010 ⁷	Age group: 4+ months; bed sharing	Age group: <1 mo; no bed sharing	7.3 (0.7–73.1)	—	5.9 (0.5–71.9)
Fu et al 2010 ⁷	Last night: bed sharing	Last night: no bed sharing	2.3 (1.6–3.5)	—	2.0 (1.2–3.4)
Hauck et al 2003 ⁸	Crib	Adult mattress	0.8 (0.5–1.2)	1.2 (0.7–2.2)	—
Hauck et al 2003 ⁸	Bed sharing with anyone	No other person in bed	2.7 (1.8–4.2)	2.0 (1.2–3.3)	—
Hauck et al 2003 ⁸	Bed sharing with one or both parents	No parent in bed	1.9 (1.2–3.1)	1.3 (0.7–2.3)	1.4 (0.7–2.8)
Hauck et al 2003 ⁸	Bed sharing with parent and nonparent	No parent in bed	5.4 (2.8–10.2)	4.1 (2.0–8.4)	3.6 (1.4–9.4)

Continued

Study ^a	Variable	Reference Group	Unadjusted Odds Ratio (95% Confidence Interval ^b)	Adjusted Univariate Odds Ratio (95% Confidence Interval ^b)	Adjusted Multivariate Odds Ratio (95% Confidence Interval ^b)
McGarvey et al 2003 ⁹	Usual cosleeping	Usual: no cosleeping	—	5.79 (3.31–10.13)	4.31 (1.07–17.37)
McGarvey et al 2003 ⁹	Last night: cosleeping	Last night: no cosleeping	—	7.34 (1.54–34.92)	16.47 (3.72–72.75)
McGarvey et al 2006 ¹⁰	Usual bed sharing	Last night: bed sharing but not usual practice	—	5.09 (1.86–13.92)	5.20 (1.86–14.50)
McGarvey et al 2006 ¹⁰	Last sleep: bed sharing	Last sleep: no sharing of sleep surface	—	5.30 (2.29–12.24)	3.53 (1.40–8.93)
McGarvey et al 2006 ¹⁰	Last sleep: next to 1 adult in bed	Last sleep: no sharing of sleep surface	—	4.94 (1.89–12.91)	3.29 (1.05–10.26)
McGarvey et al 2006 ¹⁰	Last sleep: between 2 adults in bed	Last sleep: no sharing of sleep surface	—	5.20 (1.20–22.55)	4.68 (1.09–19.99)
McGarvey et al 2006 ¹⁰	Age group <10 wk; bed sharing	No bed sharing	—	8.07 (2.24–29.03)	8.02 (1.97–32.54)
McGarvey et al 2006 ¹⁰	Age group 10–20 wk; bed sharing	No bedsharing	—	16.38 (2.95–90.69)	6.63 (0.95–45.81)
McGarvey et al 2006 ¹⁰	Age group 21–52 wk; bed sharing	No bed sharing	—	2.11 (0.40–11.11)	1.63 (0.27–10.00)
McGarvey et al 2006 ¹⁰	Age group >52 wk; bed sharing	No bed sharing	—	0.78 (0.45–0.59)	0.42 (0.01–14.17)
McGarvey et al 2006 ¹⁰	Bed sharing and maternal nonsmoker	Not bed sharing and maternal nonsmoker	—	2.09 (0.98–4.39)	—
Mitchell and Thompson 1995 ¹¹	Last sleep: bed shared in parent room	Last sleep: room shared, no bed sharing	—	—	1.59 (1.57–4.29)
Mitchell and Thompson 1995 ¹¹	Last sleep: bed shared in other room	Last sleep: room shared, no bed sharing	—	—	5.53 (2.77–11.04)
Mitchell and Thompson 1995 ¹¹	Usual: bed shared in parent room	Usual room sharing without bedsharing	—	—	3.53 (2.22–5.63)
Mitchell and Thompson 1995 ¹¹	Usual: bed shared in other room	Usual room sharing without bedsharing	—	—	6.54 (3.78–11.30)
Mitchell et al 2017 ¹²	Bed sharing	Not bed sharing	—	6.2 (3.9–10.0)	5.0 (2.6–9.6)
Scragg et al 1993 ¹³	Last night: bed sharing	Last night: no bed sharing	1.74 (1.2–2.4)	—	—
Scragg et al 1993 ¹³	Bed sharing with 1 parent in last 2 wk	Usual: no bed sharing	1.7 (1.2–2.4)	—	—
Scragg et al 1993 ¹³	Usual bed sharing with 2 parents	Usual: no bed sharing	1.5 (1.1–2)	—	—
Scragg et al 1993 ¹³	Usual bed sharing	Usual: no bed sharing	1.6 (1.3–2.1)	—	—
Tappin et al 2005 ¹⁴	Room with parent(s) some bed sharing	Room with parent(s) not bed sharing	—	3.97 (2.34–6.74)	3.49 (1.54–7.92)
Tappin et al 2005 ¹⁴	Age group: <11 wk; bed sharing	Age group: <11 wk; room sharing without bed sharing	—	9.36 (4.01–21.83)	10.20 (2.99–34.8)
Tappin et al 2005 ¹⁴	Bed sharing (spent most of last sleep in room with parents and bed shared for some or all of last sleep) + mother smoked	In room with parents not bed sharing during last sleep + mother did not smoke	—	—	1.75 (0.34–9.13)
Vennemann et al 2009 ¹⁵	Bed sharing with sibling	No bed sharing	6.7 (1.2–36.7)	—	1.1 (0–37.3)
Vennemann et al 2009 ¹⁵	Bed sharing with parent	No bed sharing	2 (1.3–3.3)	—	2.8 (0.8–9.7)
Vennemann et al 2009 ¹⁵	Bed sharing last sleep	No bed sharing	1.8 (1.2–2.7)	—	2.7 (1.3–5.6)
Vennemann et al 2009 ¹⁵	Bed sharing not usual but bed shared last sleep	Bed sharing not usual, no bed sharing last night	3.9 (1.4–10.9)	—	3.74 (0.7–20.8)
Vennemann et al 2009 ¹⁵	Bed sharing usual and bed shared during last sleep	Bed sharing not usual, no bed sharing last night	1.8 (1.2–2.7)	—	2.6 (1.2–5.6)
Vennemann et al 2009 ¹⁵	Age group: <13 wk; bed sharing	Age group >13 weeks; no bed sharing	8.8 (3.0–25.4)	—	19.9 (2.3–169.5)

Continued

Study ^a	Variable	Reference Group	Unadjusted Odds Ratio (95% Confidence Interval ^b)	Adjusted Univariate Odds Ratio (95% Confidence Interval ^b)	Adjusted Multivariate Odds Ratio (95% Confidence Interval ^b)
Vennemann et al 2009 ¹⁵	Age group: >13 wk; bed sharing	Age group >13 wk; no bed sharing	1.1 (0.6–1.9)	—	1.0 (0.4–2.4)
Vennemann et al 2012 ¹⁶	Bed sharing	Controls who did not die of SIDS	—	—	2.89 (1.99–4.18)
Vennemann et al 2012 ¹⁶	Usual bed sharing	Controls who did not die of SIDS	—	—	1.42 (0.85–2.38)
Vennemann et al 2012 ¹⁶	Bed sharing not usual but bed shared last sleep	Controls who did not die of SIDS	—	—	2.18 (1.45–3.28)
Surfaces, including sofas and couches					
Blair et al 1999 ¹	Last sleep: slept with someone on sofa or chair	Last sleep: room shared, no bed sharing	—	31.3 (8.8–111.2)	49 (5–475.6)
Blair et al 2009 ²	Last night: coslept on parental bed or sofa	Room shared without bed sharing (random controls)	—	—	21.8 (3.8–125)
Blair et al 2014 ³	Slept with someone on sofa or chair	Last sleep: no bed sharing	—	21.47 (9.38–49.17)	18.34 (7.10–47.35)
Blair et al 2014 ³	Age group: <98 d; slept with someone on sofa or chair	Age group: <98 d; last sleep: no bed sharing	—	21.44 (7.93–58.04)	—
Blair et al 2014 ³	Age group: ≥98 d; slept with someone on sofa or chair	Age group: ≥98 d; last sleep: no bed sharing	—	23.86 (5.22–109.2)	—
Fu et al 2010 ⁷	Bed sharing on firm surface	No bed sharing; firm surface	2.3 (1.3–4.2)	—	2.0 (1.1–4.0)
Fu et al 2010 ⁷	Bed sharing on soft surface	No bed sharing; firm surface	12.3 (5.4–28.2)	—	8.8 (3.5–21.7)
Hauck et al 2003 ⁸	Soft sleep surface	Firm sleep surface	5.1 (3.1–8.3)	5.1 (2.9–9.2)	5.2 (2.6–10.2)
Hauck et al 2003 ⁸	Sofa or chair	Adult mattress	2.0 (1.0–4.1)	1.6 (0.7–3.7)	—
Rechtman et al 2014 ¹⁷	Surface sharing on a sofa	Sleeping alone on a sofa	—	2.4 (1.9–3.0)	—
Tappin et al 2005 ¹⁴	Slept with someone on couch	Room sharing without bed sharing	—	26.57 (5.82–121)	66.95 (2.81–1596)
Smoking, alcohol and substance use					
Arnestad et al 2001 ¹⁸	Bed sharing and maternal smoking during pregnancy	No maternal smoking; no bed sharing	8.6 (1.9–39.9)	—	—
Blair et al 1999 ¹	Last sleep: no bed sharing and parental smoking	No smoking; no bed sharing	—	5.3 (3.6–7.9)	—
Blair et al 1999 ¹	Last night: bed shared, nonsmoker	No smoking; no bed sharing	—	1 (0.4–2.6)	—
Blair et al 1999 ¹	Last night: bed shared all night, parental smoking	No smoking; no bed sharing	—	12.3 (7.4–20.6)	—
Blair et al 2009 ²	Bed sharing and recent alcohol or drug use	No bed sharing; no alcohol or drug use (random controls)	—	14.3 (3.8–78.8)	53.3 (4–697)
Blair et al 2009 ²	Bed sharing and recent alcohol or drug use	No bed sharing; no alcohol or drug use (high-risk controls)	—	10.3 (3–44)	11.8 (1.4–99.8)
Blair et al 2014 ³	Age group: <98 d; bed shared next to adult; >2 U of alcohol	Age group: <98 d; last night no bed sharing	—	19.35 (7.05–53.11)	—

Continued

Study ^a	Variable	Reference Group	Unadjusted Odds Ratio (95% Confidence Interval ^b)	Adjusted Univariate Odds Ratio (95% Confidence Interval ^b)	Adjusted Multivariate Odds Ratio (95% Confidence Interval ^b)
Blair et al 2014 ³	Age group: ≥98 d; bed shared next to adult; >2 U of alcohol	Age group: ≥98 d; last night no bed sharing	—	6.38 (2.38–17.12)	
Blair et al 2014 ³	Age group: <98 d; bed shared next to adult who smoked	Age group: ≥98 d; last night no bed sharing	—	8.93 (5.27–15.14)	
Blair et al 2014 ³	Age group: ≥98 d; bed shared next to adult who smoked	Age group: ≥98 d; last night no bed sharing	—	1.42 (0.72–2.79)	—
Blair et al 2014 ³	Age group: <98 d; bed shared in the absence of >2 U alcohol or smoking	Age group: <98 d; last night no bed sharing	—	1.62 (0.96–2.73)	
Blair et al 2014 ³	Bed shared in the absence of >2 U alcohol or smoking	Last night: no bed sharing	—	0.86 (0.54–1.36)	1.08 (0.58–2.01)
Blair et al 2014 ³	Age group: ≥98 d; bed shared in the absence of >2 U alcohol or smoking	Age group: ≥98 d; last night no bed sharing	—	0.08 (0.01–0.52)	—
Carpenter et al 2004 ⁴	Last sleep: no bed sharing; mother smoked <10 cigarettes per day	No bed sharing; mother did not smoke	—	2.87	1.52 (1.1–2.1)
Carpenter et al 2004 ⁴	Last sleep: no bed sharing; mother smoked >10 cigarettes per day	No bed sharing; mother did not smoke	—	5.64	2.43 (1.8–3.4)
Carpenter et al 2004 ⁴	Last sleep: bed sharing; mother smoked	No bed sharing; mother did not smoke	—	14.8	17.7 (10.3–30.3)
Carpenter et al 2004 ⁴	Last sleep: bed sharing; Mother did not smoke	No bed sharing; mother did not smoke	—	1.61	1.56 (0.91–2.68)
Carpenter et al 2013 ⁵	Age group: 20 wk; Bed sharing; maternal illegal drug use	Age group: 20 wk; room sharing; no maternal illegal drug use	—	—	Inestimably large
Carpenter et al 2013 ⁵	Age group: 10 wk; bedsharing; no parental smoking	Age group: 10 wk; room sharing; no parental smoking	—	—	3.6 (1.8–7.2)
Carpenter et al 2013 ⁵	Age group: 10 wk; bed sharing; mother's partner smokes	Age group: 10 wk; room sharing; no parental smoking	—	—	7.6 (3.8–15.1)
Carpenter et al 2013 ⁵	Age group: 10 wk; bed sharing; maternal smoking	Age group: 10 wk; room sharing; no parental smoking	—	—	20.4 (8.9–47.7)
Carpenter et al 2013 ⁵	Age group: 10 wk; bed sharing; mother and mother's partner smoke	Age group: 10 wk; room sharing; no parental smoking	—	—	28.0 (15.0–52.3)
Carpenter et al 2013 ⁵	Age group: 10 wk; bed sharing; mother drank 2+ units alcohol	Age group: 10 wk; room sharing; mother drank <2 U or no alcohol	—	—	38.6 (12.6–117.8)
Carpenter et al 2013 ⁵	Age group: 10 wk; bed sharing; maternal illegal drug use	Age group: 10 wk; room sharing; no maternal illegal drug use	—	—	Inestimably large
Carpenter et al 2013 ⁵	Age group: 2 wk; bed sharing; no parental smoking	Age group: 2 wk; room sharing; no parental smoking	—	—	8.3 (3.7–18.6)

Continued

Study ^a	Variable	Reference Group	Unadjusted Odds Ratio (95% Confidence Interval ^b)	Adjusted Univariate Odds Ratio (95% Confidence Interval ^b)	Adjusted Multivariate Odds Ratio (95% Confidence Interval ^b)
Carpenter et al 2013 ⁵	Age group: 2 wk; bed sharing; mother's partner smokes	Age group: 2 wk; room sharing; no parental smoking	—	—	17.6 (8.1–38.5)
Carpenter et al 2013 ⁵	Age group: 2 wk; bed sharing; maternal smoking	Age group: 2 wk; room sharing; no parental smoking	—	—	47.5 (18.9–118.9)
Carpenter et al 2013 ⁵	Age group 2 wk; bed sharing; mother and mother's partner smoke	Age group: 2 wk; room sharing; no parental smoking	—	—	64.9 (30.8–136.9)
Carpenter et al 2013 ⁵	Age group: 2 wk; bed sharing; mother drank 2+ units alcohol	Age group: 2 wk; room sharing; mother drank <2 U or no alcohol	—	—	89.7 (25.3–317.7)
Carpenter et al 2013 ⁵	Age group: 2 wk; bed sharing; maternal illegal drug use	Age group: 2 wk; room sharing; no maternal illegal drug use	—	—	Inestimably large
Carpenter et al 2013 ⁵	Age group <3 mo: bed sharing; mother's partner smokes; no alcohol use	Age group <3 mo: room sharing; no smoking or alcohol use	—	—	7.8 (3.6–17.2)
Carpenter et al 2013 ⁵	Age group <3 mo: bed sharing; mother smokes; No alcohol use	Age group <3 mo: room sharing; no smoking or alcohol use	—	—	20.3 (7.4–56.4)
Carpenter et al 2013 ⁵	Age group <3 mo: bed sharing; both parents smoke; no alcohol use	Age group <3 mo: room sharing; no smoking or alcohol use	—	—	21.6 (11.1–42.3)
Carpenter et al 2013 ⁵	Age group <3 mo: bed sharing; both parents smoke; 2+ units alcohol	Age group <3 mo: room sharing; no smoking or alcohol use	—	—	151.0 (50.2–448.4)
Carpenter et al 2013 ⁵	Age group >3 mo; bed sharing; mother's partner smokes; no alcohol	Age group >3 mo: room sharing; no smoking or alcohol use	—	—	3.0 (1.2–7.5)
Carpenter et al 2013 ⁵	Age group >3 mo: bed sharing; mother smokes; no alcohol	Age group >3 mo: room sharing; no smoking or alcohol use	—	—	6.1 (1.7–22.6)
Carpenter et al 2013 ⁵	Age group >3 mo: bed sharing; both parents smoke; no alcohol	Age group >3 mo: room sharing; no smoking or alcohol use	—	—	13.7 (6.1–31.0)
Carpenter et al 2013 ⁵	Age group >3 mo: bed sharing; both parents smoke; 2+ units alcohol	Age group >3 mo: room sharing; no smoking or alcohol use	—	—	243.8 (76.1–781.4)
Fleming et al 1996 ⁶	Bed sharing; mother smokes	Infants who did not die of SIDS	17.57 (7.58–40.72)	—	—
Fleming et al 1996 ⁶	Bed sharing; no maternal smoking	Infants who did not die of SIDS	2.55 (0.80–8.19)	—	—
Fleming et al 1996 ⁶	Bed sharing; no alcohol use	Infants who did not die of SIDS	2.92 (1.44–5.87)	—	—
Fu et al 2010 ⁷	Bed sharing; no maternal smoking	no bed sharing, no maternal smoking	2.8 (1.5–5.1)	—	1.9 (0.9–3.8)
Fu et al 2010 ⁷	Bed sharing; maternal smoking	No bed sharing, no maternal smoking	11.0 (5.1–23.6)	—	8.0 (3.4–18.5)
McGarvey et al 2003 ⁹	Cosleeping during last sleep; put back in cot	Last sleep: no cosleeping	—	1.07 (0.21–5.41)	1.29 (0.41–3.95)

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Study ^a	Variable	Reference Group	Unadjusted Odds Ratio (95% Confidence Interval ^b)	Adjusted Univariate Odds Ratio (95% Confidence Interval ^b)	Adjusted Multivariate Odds Ratio (95% Confidence Interval ^b)
McGarvey et al 2003 ⁹	Cosleeping entire sleep period	Last sleep: no cosleeping	—	5.25 (1.09–25.25)	9.28 (1.69–50.90)
McGarvey et al 2003 ⁹	Cosleeping; maternal smoking during pregnancy	Cosleeping; no maternal smoking	—	21.84 (2.27–209.89)	29.23 (2.69–316.78)
McGarvey et al 2006 ¹⁰	Bed sharing; mother smokes	Not bed sharing and maternal nonsmoker control (not SIDS victim)	—	13.87 (9.58–20.09)	—
McGarvey et al 2006 ¹⁰	Bed sharing; maternal nonsmoker	Not bed sharing and maternal nonsmoker control (not SIDS victim)	—	2.09 (0.98–4.39)	—
Mitchell and Thompson 1995 ¹¹	Last sleep cosleeping; maternal smoking	No cosleeping last night; no maternal smoking	—	—	4.55 (2.63–7.88)
Mitchell and Thompson 1995 ¹¹	Usual cosleeping; no maternal smoking	No usual cosleeping; no maternal smoking	—	—	1.73 (1.11–2.70)
Mitchell and Thompson 1995 ¹¹	Last night cosleeping; no maternal smoking	No cosleeping last night; no maternal smoking	—	—	0.98 (0.44–2.18)
Mitchell and Thompson 1995 ¹¹	Cosleeping for >5 h; maternal smoking	No cosleeping last night; no maternal smoking	—	—	5.73 (3.08–10.68)
Mitchell and Thompson 1995 ¹¹	Cosleeping for >5 h; no maternal smoking	No co-sleeping last night; no maternal smoking	—	—	2.50 (1.25–5.02)
Mitchell and Thompson 1995 ¹¹	Usual co-sleeping; maternal smoking	No usual cosleeping; no maternal smoking	—	—	3.94 (2.47–6.27)
Mitchell et al 2017 ¹²	Bed sharing; maternal smoking in pregnancy	No bed sharing; no maternal smoking in pregnancy	—	31.1 (14.0–69.3)	32.8 (11.2–95.8)
Scragg et al 1993 ¹³	Last night bed sharing; father smokes	Last night bed sharing; neither parent smoked	—	1.1 (0.5–2.3)	—
Scragg et al 1993 ¹³	Last night bed sharing; mother smokes	Last night bed sharing; neither parent smoked	—	3.8 (2–7.4)	—
Scragg et al 1993 ¹³	Last night bed sharing; both parents smoke	Last night bed sharing; neither parent smoked	—	4.4 (2.6–7.4)	—
Scragg et al 1993 ¹³	Usual bed sharing; no maternal smoking and maternal alcohol use	No usual bed sharing; no maternal smoking; no maternal alcohol use	—	—	3.6 (2.3–5.5)
Scragg et al 1993 ¹³	Usual bed sharing; no maternal smoking; no maternal alcohol use	No usual bed sharing; no maternal smoking; no maternal alcohol use	—	—	3.8 (2.3–6.2)
Scragg et al 1993 ¹³	Usual bed sharing; no maternal tobacco use; maternal alcohol use	No usual bed sharing; no maternal smoking; no maternal alcohol use	—	—	0.9 (0.6–1.5)
Scragg et al 1993 ¹³	Usual bed sharing; no maternal tobacco use; no maternal alcohol use	No usual bed sharing; no maternal smoking; no maternal alcohol use	—	—	0.9 (0.5–1.6)
Scragg et al 1993 ¹³	Usual bed sharing; maternal smoking	No usual bedsharing; no maternal smoking	—	4.8 (3.4–6.8)	3.9 (2.5–6.3)
Scragg et al 1993 ¹³	Usual bed sharing; no maternal smoking	No usual bed sharing; no maternal smoking	—	1.2 (0.8–1.7)	1.7 (1.1–2.7)
Scragg et al 1993 ¹³	Last night bed sharing; mother smokes	Last night no bed sharing or maternal smoking	—	5.0 (3.1–8.1)	4.6 (2.6–7.9)

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Study ^a	Variable	Reference Group	Unadjusted Odds Ratio (95% Confidence Interval ^b)	Adjusted Univariate Odds Ratio (95% Confidence Interval ^b)	Adjusted Multivariate Odds Ratio (95% Confidence Interval ^b)
Scragg et al 1993 ¹³	Last night bed sharing; mother does not smoke	Last night no bed sharing or maternal smoking	—	0.7 (0.3–1.4)	1 (0.4–2.2)
Tappin et al 2005 ¹⁴	Bed sharing (spent most of last sleep in room with parents and bed shared for some or all of last sleep); mother smoked	Last night room shared without bed sharing; mother did not smoke	—	—	1.75 (0.34–9.13)
Tappin et al 2005 ¹⁴	Bed sharing (spent most of last sleep in room with parents and bed shared for some/all of last sleep); either parent smoked	Last night room shared without bed sharing; neither parent smoked	—	—	5.89 (0.74–47.0)
Tappin et al 2005 ¹⁴	Age group: <11 wk; bed sharing; mother smokes	Age group: <11 wk; no bed sharing; mother smokes	—	8.80 (2.67–29)	12.21 (2.57–58)
Tappin et al 2005 ¹⁴	Age group: <11 wk; bed sharing; mother does not smoke	Age group: <11 wk; no bed sharing; no maternal smoking	—	12.03 (3.03–48)	8.01 (1.20–53)
Tappin et al 2005 ¹⁴	Age group: >11 wk at last sleep; bed sharing; mother smokes	Age group: >11 wk at last sleep; no bed sharing; mother smokes	—	1.98 (0.72–5.49)	1.74 (0.40–7.62)
Tappin et al 2005 ¹⁴	Age group: >11 wk; bed sharing; mother does not smoke	Age group: >11 wk; no bed sharing; no maternal smoking	—	1.57 (0.27–9.15)	0.45 (0.04–5.46)
Infant birth weight					
McGarvey et al 2006 ¹⁰	Bed sharing and low birth wt	Controls who did not die of SIDS	—	16.3 (14.1–19.1)	—
McGarvey et al 2006 ¹⁰	Bed sharing and birth wt in second, third, fourth quartiles	Controls who did not die of SIDS	—	4.9 (2.9–8.4)	—
Bedding					
Fu et al 2010 ⁷	Bed sharing with pillow	No bed sharing, no pillow	4.5 (1.8–11.4)	—	4.1 (1.4–11.5)
Fu et al 2010 ⁷	Bed sharing, 0–1 covers	No bed sharing, 0–1 covers	3.3 (1.9–5.5)	—	2.8 (1.5–5.2)
Fu et al 2010 ⁷	Bed sharing, 2+ covers	No bed sharing, 0–1 covers	2.1 (1.1–4.3)	—	1.8 (0.8–4.1)
Infant age					
Blair et al 2014 ³	Age group <98 d; last sleep: bed shared	Age group <98 d; last sleep: no bed sharing	—	5.24 (3.71–7.39)	—
Blair et al 2014 ³	Age group ≥98 d; last sleep: bed shared	Age group ≥98 d; last sleep: no bed sharing	—	1.40 (0.91–2.15)	—
Blair et al 2014 ³	Age group <98 d; slept with someone on sofa or chair	Age group <98 d; last sleep: no bed sharing	—	21.44 (7.93–58.04)	—
Blair et al 2014 ³	Age group ≥98 d; slept with someone on sofa or chair	Age group ≥98 d; last sleep: no bed sharing	—	23.86 (5.22–109.2)	—
Blair et al 2014 ³	Age group: <98 d; bed shared next to adult; >2 U of alcohol	Age group: <98 d; last night no bed sharing	—	19.35 (7.05–53.11)	—

Continued

Study ^a	Variable	Reference Group	Unadjusted Odds Ratio (95% Confidence Interval ^b)	Adjusted Univariate Odds Ratio (95% Confidence Interval ^b)	Adjusted Multivariate Odds Ratio (95% Confidence Interval ^b)
Blair et al 2014 ³	Age group: ≥98 d; bed shared next to adult; >2 U of alcohol	Age group: ≥98 d; last night no bed sharing	—	6.38 (2.38–17.12)	—
Blair et al 2014 ³	Age group: <98 d; bed shared next to adult who smoked	Age group: <98 d; last night no bed sharing	—	8.93 (5.27–15.14)	—
Blair et al 2014 ³	Age group: ≥98 d; bed shared next to adult who smoked	Age group: ≥98 d; last night no bed sharing	—	1.42 (0.72–2.79)	—
Blair et al 2014 ³	Age group: <98 d; bed shared in the absence of >2 U alcohol or smoking	Age group: <98 d; last night no bed sharing	—	1.62 (0.96–2.73)	—
Blair et al 2014 ³	Age group: ≥98 d; bed shared in the absence of >2 U alcohol or smoking	Age group: ≥98 d; last night no bed sharing	—	0.08 (0.01–0.52)	—
Carpenter et al 2013 ⁵	Age group: 20 wk; Bed sharing; maternal illegal drug use	Age group: 20 wk; room sharing; no maternal illegal drug use	—	—	Inestimably large
Carpenter et al 2013 ⁵	Age group: 10 wk; bed sharing; no parental smoking	Age group: 10 wk; room sharing; no parental smoking	—	—	3.6 (1.8–7.2)
Carpenter et al 2013 ⁵	Age group: 10 wk; bed sharing; mother's partner smokes	Age group: 10 wk; room sharing; no parental smoking	—	—	7.6 (3.8–15.1)
Carpenter et al 2013 ⁵	Age group: 10 wk; bed sharing; maternal smoking	Age group: 10 wk; room sharing; no parental smoking	—	—	20.4 (8.9–47.7)
Carpenter et al 2013 ⁵	Age group: 10 wk; bed sharing; mother and mother's partner smoke	Age group: 10 wk; room sharing; no parental smoking	—	—	28.0 (15.0–52.3)
Carpenter et al 2013 ⁵	Age group: 10 wk; bed sharing; mother drank 2+ units alcohol	Age group: 10 wk; room sharing; mother drank <2 U or no alcohol	—	—	38.6 (12.6–117.8)
Carpenter et al 2013 ⁵	Age group: 10 wk; bed sharing; maternal illegal drug use	Age group: 10 wk; room sharing; no maternal illegal drug use	—	—	Inestimably large
Carpenter et al 2013 ⁵	Age group: 2 wk; bed sharing; no parental smoking	Age group: 2 wk; room sharing; no parental smoking	—	—	8.3 (3.7–18.6)
Carpenter et al 2013 ⁵	Age group: 2 wk; bed sharing; mother's partner smokes	Age group: 2 wk; room sharing; no parental smoking	—	—	17.6 (8.1–38.5)
Carpenter et al 2013 ⁵	Age group: 2 wk; bed sharing; maternal smoking	Age group: 2 wk; room sharing; no parental smoking	—	—	47.5 (18.9–118.9)
Carpenter et al 2013 ⁵	Age group: 2 wk; bed sharing; mother and mother's partner smoke	Age group: 2 wk; room sharing; no parental smoking	—	—	64.9 (30.8–136.9)
Carpenter et al 2013 ⁵	Age group: 2 wk; bed sharing; mother drank 2+ units alcohol	Age group: 2 wk; room sharing; mother drank <2 U or no alcohol	—	—	89.7 (25.3–317.7)

Continued

Study ^a	Variable	Reference Group	Unadjusted Odds Ratio (95% Confidence Interval ^b)	Adjusted Univariate Odds Ratio (95% Confidence Interval ^b)	Adjusted Multivariate Odds Ratio (95% Confidence Interval ^b)
Carpenter et al 2013 ⁵	Age group: 2 wk; bed sharing; maternal illegal drug use	Age group: 2 wk; room sharing; no maternal illegal drug use	—	—	Inestimably large
Carpenter et al 2013 ⁵	Age group: <3 mo; bed sharing; mother's partner smokes; no alcohol use	Age group: <3 mo; room sharing; no smoking or alcohol use	—	—	7.8 (3.6–17.2)
Carpenter et al 2013 ⁵	Age group: <3 mo; bed sharing; mother smokes; no alcohol use	Age group: <3 mo; room sharing; no smoking or alcohol use	—	—	20.3 (7.4–56.4)
Carpenter et al 2013 ⁵	Age group: <3 mo; bed sharing; both parents smoke; no alcohol	Age group: <3 mo; room sharing; No smoking; no alcohol	—	—	21.6 (11.1–42.3)
Carpenter et al 2013 ⁵	Age group: <3 mo; Bed sharing; Both parents smoke; 2+ units alcohol	Age group: <3 mo; room sharing; no smoking or alcohol use	—	—	151.0 (50.2–448.4)
Carpenter et al 2013 ⁵	Age group: >3 mo; bed sharing; mother's partner smokes; no alcohol	Age group: >3 months: room sharing; no smoking or alcohol use	—	—	3.0 (1.2–7.5)
Carpenter et al 2013 ⁵	Age group: >3 mo; bed sharing; mother smokes; no alcohol	Age group: >3 mo: room sharing; no smoking or alcohol use	—	—	6.1 (1.7–22.6)
Carpenter et al 2013 ⁵	Age group: >3 mo; bed sharing; both parents smoke; no alcohol	Age group: >3 mo; room sharing; no smoking or alcohol use	—	—	13.7 (6.1–31.0)
Carpenter et al 2013 ⁵	Age group: >3 mo; bed sharing; both parents smoke; 2+ units alcohol	Age group: >3 mo; room sharing; no smoking or alcohol use	—	—	243.8 (76.1–781.4)
Fu et al 2010 ⁷	Age group: <1 mo; bed sharing	Age group <1 mo; no bed sharing	6.6 (1.4–31.1)	—	7.1 (1.2–42.1)
Fu et al 2010 ⁷	Age group: 1–3 mo; bed sharing	Age group <1 mo; no bed sharing	3.3 (0.8–13.0)	—	2.8 (0.7–12.1)
Fu et al 2010 ⁷	Age group: >4 mo; bed sharing	Age group <1 mo; no bed sharing	7.3 (0.7–73.1)	—	5.9 (0.5–71.9)
McGarvey et al 2003 ¹⁰	Age group: <20 wk; bed sharing	No bed sharing	—	4.99 (1.02–24.54)	16.86 (6.27–45.30)
McGarvey et al 2003 ¹⁰	Age group: >20 wk; bed sharing	No bed sharing	—	2.63 (0.99–70.10)	2.80 (0.71–11.01)
McGarvey et al 2006 ¹⁰	Age group: <10 wk; bed sharing	No bed sharing	—	8.07 (2.24–29.03)	8.02 (1.97–32.54)
McGarvey et al 2006 ¹⁰	Age group: 10–20 wk; bed sharing	No bed sharing	—	16.38 (2.95–90.69)	6.63 (0.95–45.81)
McGarvey et al 2006 ¹⁰	Age group: 21–52 wk; bed sharing	No bed sharing	—	2.11 (0.40–11.11)	1.63 (0.27–10.00)
McGarvey et al 2006 ¹⁰	Age group: >52 wk; bed sharing	No bed sharing	—	0.78 (0.45, 0.59)	0.42 (0.01–14.17)
Tappin et al 2005 ¹⁴	Age group: < 11 wk; bedsharing	Age group: <11 wk; room sharing without bed sharing	—	9.36 (4.01–21.83)	10.20 (2.99–34.8)
Tappin et al 2005 ¹⁴	Age group: <11 wk; bed sharing; mother smokes	Age group: <11 wk; no bed sharing; mother smokes	—	8.80 (2.67–29)	12.21 (2.57–58)
Tappin et al 2005 ¹⁴	Age group: <11 wk; bed sharing; mother does not smoke	Age group: <11 wk; no bed sharing; no maternal smoking	—	12.03 (3.03–48)	8.01 (1.20–53)

Continued

Study ^a	Variable	Reference Group	Unadjusted Odds Ratio (95% Confidence Interval ^b)	Adjusted Univariate Odds Ratio (95% Confidence Interval ^b)	Adjusted Multivariate Odds Ratio (95% Confidence Interval ^b)
Tappin et al 2005 ¹⁴	Age group: >11 wk at last sleep; bed sharing; mother smokes	Age group: >11 wk at last sleep; no bedsharing; mother smokes	—	1.98 (0.72–5.49)	1.74 (0.40–7.62)
Tappin et al 2005 ¹⁴	Age group: >11 wk; bed sharing; mother does not smoke	Age group: >11 wk; no bedsharing; No maternal smoking	—	1.57 (0.27–9.15)	0.45 (0.04–5.46)
Vennemann et al 2009 ¹⁵	Age group: <13 wk; bed sharing	Age group: >13 wk; no bedsharing	8.8 (3.0–25.4)	—	19.9 (2.3–169.5)
Vennemann et al 2009 ¹⁵	Age group: >13 wk; bed sharing	Age group: >13 wk; no bedsharing	1.1 (0.6–1.9)	—	1.0 (0.4–2.4)
Feeding					
Fu et al 2010 ⁷	Bed sharing; no current breastfeeding	No bed sharing; no current breastfeeding	2.4 (1.5–3.8)	—	1.9 (1.1–3.4)
Fu et al 2010 ⁷	Bed sharing; current breastfeeding	No bed sharing; no current breastfeeding	0.9 (0.3–2.7)	—	1.1 (0.3–3.4)
McGarvey et al 2003 ⁹	Bed sharing; breastfeeding initiated at birth	Bed sharing; no breastfeeding initiation at birth	0.41 (0.03–0.80)	—	—
Illness					
McGarvey et al 2003 ⁹	Bed sharing; history of illness since birth	Bed sharing; no history of illness since birth	—	0.30 (0.09–0.97)	—
Pacifier					
Fu et al 2010 ⁷	Bed sharing; no pacifier	No bed sharing; no pacifier	2.7 (1.6–4.5)	—	2.1 (1.1–3.9)
Fu et al 2010 ⁷	Bed sharing; pacifier	No bed sharing; no pacifier	0.6 (0.3–1.5)	—	0.5 (0.2–1.3)
Sleep position					
Fu et al 2010 ⁷	Bed sharing; supine position	No bed sharing; supine position	6.1 (2.3–16.1)	—	4.9 (1.6–14.7)
Fu et al 2010 ⁷	Bed sharing; prone or side position	No bed sharing; supine position	5.1 (2.4–10.7)	—	4.1 (1.7–9.7)

^a The terminology for bed sharing (eg, bed sharing, surface sharing, cosleeping) used in each article is used in this table. See each article for how the authors defined the specific term.

^b 95% confidence intervals are not included if they were not included in the original article. Dashes indicate that these values were not provided in the original article.

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