## SupplementaryMaterials: The Risk Factors of Child Lead Poisoning in China: A Meta-Analysis

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	Experim	ental	Contr	ol		Risk Difference	Risk Difference
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	M-H, Random, 95% Cl
hong tian 2006	294	459	320	596	9.3%	0.10 [0.04, 0.16]	-
huiyan liu 2007	69	83	1320	1518	8.8%	-0.04 [-0.12, 0.04]	
meilin peng 2011	39	51	2524	3341	7.8%	0.01 [-0.11, 0.13]	_ <b>+</b> _
qi ye 2001	4	9	10	91	3.1%	0.33 [0.00, 0.67]	
shengliang sun 2014	41	101	18	101	7.7%	0.23 [0.11, 0.35]	
shiqiong wang 2010	62	96	56	197	7.9%	0.36 [0.25, 0.48]	
sun li 2004	4	63	8	154	9.1%	0.01 [-0.06, 0.08]	+
xiaofeng gao 2013	19	38	21	263	6.5%	0.42 [0.26, 0.58]	
xiaohua liu 2008	75	120	10	27	5.5%	0.25 [0.05, 0.46]	<b></b>
xiaozhen xiao 2006	23	41	51	161	6.4%	0.24 [0.08, 0.41]	<del></del>
xinxin chen 2003	613	807	1038	1455	9.7%	0.05 [0.01, 0.08]	•
xiping ma 2005	70	316	128	702	9.4%	0.04 [-0.01, 0.09]	+
xiulan ma 2012	65	153	783	1357	8.8%	-0.15 [-0.23, -0.07]	
Total (95% CI)		2337		9963	100.0%	0.12 [0.05, 0.19]	◆
Total events	1378		6287				
Heterogeneity: Tau² = 0	.01; Chi <sup>2</sup> =	100.75	df = 12 (	P < 0.0	0001); I <sup>z</sup> :	= 88%	
Test for overall effect: Z	= 3.24 (P =	: 0.001)				-	-1 -0.5 U U.5 1
		,				F	avours lead poisoning Favours control

(a)

	Experim	ental	Cont	rol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	M-H, Random, 95% Cl
aifang huang 2006	52	320	3	529	5.2%	34.02 [10.53, 109.94]	
bin he 2006	14	87	149	1085	8.6%	1.20 [0.66, 2.19]	_ <del></del>
guiping chang 2011	18	42	72	425	8.2%	3.68 [1.90, 7.13]	│ <del></del>
huiyan liu 2007	20	77	358	1461	9.1%	1.08 [0.64, 1.82]	+
jie shan 2011	54	233	693	3990	10.2%	1.44 [1.05, 1.97]	-
meilin peng 2011	22	51	1492	3340	8.8%	0.94 [0.54, 1.64]	-
qinrong zhang 2004	322	600	138	412	10.5%	2.30 [1.77, 2.98]	-
shengliang sun 2014	41	101	18	101	8.3%	3.15 [1.65, 6.01]	
shuang yang 2006	12	30	29	143	7.1%	2.62 [1.14, 6.05]	<b></b>
sun li 2004	57	63	140	154	6.1%	0.95 [0.35, 2.59]	— <u>+</u>
xiaofeng gao 2013	17	38	18	263	7.3%	11.02 [4.96, 24.49]	
xinxin chen 2003	194	807	279	1455	10.7%	1.33 [1.08, 1.64]	-
Total (95% CI)		2449		13358	100.0%	2.22 [1.53, 3.22]	◆
Total events	823		3389				
Heterogeneity: Tau² = 0	.32; Chi <b>=</b> =	77.72, (	df = 11 (P	< 0.000	01); <b>i²</b> = 8	6%	
Test for overall effect: Z	= 4.22 (P <	0.0001	)			F	voure load poisoping. Eavoure control
						Г	avours leau poisonning Favours control

(b)

	Experim	ental	Contr	ol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	M-H, Random, 95% Cl
aifang huang 2006	113	320	25	529	8.9%	11.01 [6.93, 17.48]	
guiping chang 2011	24	42	158	415	8.1%	2.17 [1.14, 4.12]	
hong tian 2006	183	459	161	596	9.6%	1.79 [1.38, 2.32]	-
hongzhong zhang 2004	233	418	67	120	9.1%	1.00 [0.66, 1.50]	
huiyan liu 2007	53	81	918	1492	8.9%	1.18 [0.74, 1.89]	
jianghong liu 2012	9	105	86	1239	7.7%	1.26 [0.61, 2.58]	
shengliang sun 2014	49	101	22	101	8.2%	3.38 [1.83, 6.24]	
shuang yang 2006	16	30	65	143	7.4%	1.37 [0.62, 3.02]	
xiaofeng gao 2013	11	38	6	263	6.1%	17.45 [5.98, 50.92]	
xiaohua liu 2008	66	120	11	27	7.1%	1.78 [0.76, 4.15]	
xiping ma 2005	158	316	287	702	9.6%	1.45 [1.11, 1.89]	
zhenyan gao 2014	33	179	329	1849	9.2%	1.04 [0.70, 1.55]	+
Total (95% CI)		2209		7476	100.0%	2.10 [1.38, 3.20]	•
Total events	948		2135				
Heterogeneity: Tau <sup>2</sup> = 0.40	6; Chi² = 10 2 49 (D = 0	03.17, d	f= 11 (P	< 0.000	001); I² = 8	89%	0.01 0.1 1 10 100
restion overall effect: Z =	3.40 (P = U	1.0005)					Favours lead poisoning Favours control

	Experim	ental	Cont	rol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	M-H, Random, 95% Cl
aifang huang 2006	163	320	28	529	4.8%	18.58 [11.97, 28.82]	
cangwen tan 2011	270	5295	2512	64673	5.1%	1.33 [1.17, 1.51]	+
guiping chang 2011	18	42	90	415	4.6%	2.71 [1.41, 5.21]	
guo pi 2014	39	165	139	658	4.9%	1.16 [0.77, 1.73]	
hong tian 2006	315	459	206	596	5.0%	4.14 [3.19, 5.37]	-
hongzhong zhang 2004	18	418	7	120	4.2%	0.73 [0.30, 1.78]	
huiyan liu 2007	5	82	6	1465	3.6%	15.79 [4.71, 52.89]	
jiazheng xu 2007	9	274	27	1997	4.4%	2.48 [1.15, 5.33]	
qinrong zhang 2004	476	600	112	412	5.0%	10.28 [7.67, 13.79]	-
shengliang sun 2014	77	101	50	101	4.6%	3.27 [1.79, 5.97]	
shiqiong wang 2010	16	96	59	197	4.6%	0.47 [0.25, 0.87]	
shuang yang 2006	1	17	3	101	2.0%	2.04 [0.20, 20.86]	
shuwei zhang 2007	313	523	168	1193	5.0%	9.09 [7.16, 11.55]	-
xiaofeng gao 2013	13	38	9	263	4.1%	14.68 [5.71, 37.72]	
xiaozhen xiao 2006	31	41	61	161	4.4%	5.08 [2.33, 11.09]	<b>_</b>
xiping ma 2005	35	316	32	702	4.8%	2.61 [1.58, 4.30]	
xiulan ma 2012	81	153	680	1357	5.0%	1.12 [0.80, 1.57]	+
xizheng ouyang 2003	194	301	482	823	5.0%	1.28 [0.98, 1.69]	
yan yi 2005	26	69	8	61	4.2%	4.01 [1.65, 9.74]	
yinyun long 2013	187	239	1860	5612	5.0%	7.25 [5.31, 9.91]	
zhenyan gao 2014	100	179	919	1849	5.0%	1.28 [0.94, 1.74]	+
zhong chen 2015	23	592	216	7590	4.8%	1.38 [0.89, 2.14]	+
Total (95% CI)		10320		90875	100.0%	2.99 [1.95, 4.59]	•
Total events	2410		7674				
Heterogeneity: Tau <sup>2</sup> = 0.9	3: Chi <sup>2</sup> = 5	81.00, d	f= 21 (P	< 0.0000	)1); <b> <sup>2</sup> =</b> 9(	5%	
Toot for overall effect: 7 -	6 02 /P ~ 0	00001	ν <u>-</u> ν.γ.				0.01 0.1 1 10 100

					(	(d)				
	Experim	ental	Cont	rol		Odds Ratio		Odds Ratio		
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	M	H, Random, 95	% CI	
guo pi 2014	96	163	415	627	15.4%	0.73 [0.51, 1.04]				
meilin peng 2011	39	51	2232	3343	6.7%	1.62 [0.84, 3.10]		+		
shuang yang 2006	12	17	64	100	2.6%	1.35 [0.44, 4.14]				
xinxin chen 2003	509	807	1055	1455	25.4%	0.65 [0.54, 0.78]		-		
zangwen tan 2011	3306	5295	42342	64673	32.5%	0.88 [0.83, 0.93]		-		
zhenyan gao 2014	108	179	1163	1849	17.4%	0.90 [0.66, 1.23]		-		
Total (95% CI)		6512		72047	100.0%	0.84 [0.69, 1.01]		•		
Total events	4070		47271							
Heterogeneity: Tau <sup>2</sup> =	0.03; Chi <sup>a</sup>	²= 14.67	7, df = 5 (l	P = 0.01)	); <b>I</b> ² = 66%			1	10	100
Test for overall effect:	Z = 1.88 (F	P = 0.06	)			Favo	ours lead po	insoning Favou	irs control	100

					(e)	1	
	Experim	ental	Cont	rol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
shuang yang 2006	2	17	15	100	0.2%	0.76 [0.16, 3.65]	
zangwen tan 2011	741	5295	11261	64673	86.3%	0.77 [0.71, 0.84]	
zhenyan gao 2014	67	179	656	1849	4.3%	1.09 [0.79, 1.49]	+
zhong chen 2015	91	592	1284	7590	9.3%	0.89 [0.71, 1.12]	-
Total (95% CI)		6083		74212	100.0%	0.80 [0.74, 0.86]	•
Total events	901		13216				
Heterogeneity: Chi <sup>2</sup> =	5.23, df =	3 (P = 0	.16); I <sup>2</sup> = -	43%			
Test for overall effect:	Z = 6.07 (ł	P < 0.00	001)			1	Favours experimental Favours control

(**f**)

	Experim	ental	Cont	rol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% C	I M-H, Random, 95% Cl
aifang huang 2006	32	320	4	529	4.5%	14.58 [5.11, 41.65	5]
ailan gou2010	98	158	64	158	7.1%	2.40 [1.53, 3.77	']
bin he 2006	10	87	101	1172	6.1%	1.38 [0.69, 2.74	l]
huiyan liu 2007	21	83	351	1518	6.9%	1.13 [0.68, 1.87	n –
jianghong liu 2012	42	97	472	1132	7.3%	1.07 (0.70, 1.62	2] +
jie shan 2011	66	233	581	3990	7.7%	2.32 [1.72, 3.12	2]
meilin peng 2011	14	51	860	3335	6.4%	1.09 [0.59, 2.02	2]
ning jin 2015	315	661	60	339	7.7%	4.23 [3.08, 5.82	2]
qi ye 2001	3	9	2	91	2.1%	22.25 [3.10, 159.70	)]
shengliang sun 2014	49	101	22	101	6.4%	3.38 [1.83, 6.24	l] ————————————————————————————————————
shuang yang 2006	9	30	34	143	5.3%	1.37 [0.58, 3.28	3]
sun li 2004	40	63	43	154	6.4%	4.49 [2.41, 8.36	i] ——
xiaohua liu 2008	59	120	7	27	5.0%	2.76 [1.09, 7.02	2]
xiaozhen xiao 2006	25	41	41	161	5.9%	4.57 [2.22, 9.40	)] ———
xiping ma 2005	53	316	112	702	7.5%	1.06 [0.74, 1.52	2] +
zhenyan gao 2014	65	179	587	1849	7.7%	1.23 [0.89, 1.69	aj <del> -</del>
Total (95% CI)		2549		15401	100.0%	2.26 [1.62, 3.15	a 🔶
Total events	901		3341				
Heterogeneity: Tau <sup>2</sup> = 0	.35; Chi <b>²</b> =	97.60,	df = 15 (P	< 0.000	01); I <sup>z</sup> = 8	5%	
Test for overall effect: Z	= 4.81 (P <	< 0.0000	01)				U.UT U.T 1 TU TU Envoure load paisoning Envoure control

	Experim	ental	Cont	rol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	M-H, Random, 95% Cl
bin he 2006	5	87	38	1172	8.9%	1.82 [0.70, 4.75]	+
huiyan liu 2007	6	83	59	1518	9.8%	1.93 [0.81, 4.60]	+
jianghong liu 2012	23	96	347	1142	14.7%	0.72 [0.44, 1.17]	
jie shan 2011	72	233	496	3990	17.2%	3.15 [2.35, 4.22]	+
meilin peng 2011	7	51	354	3340	10.5%	1.34 [0.60, 3.00]	- <b>+</b>
qinrong zhang 2004	349	600	212	412	17.7%	1.31 [1.02, 1.69]	-
shuang yang 2006	2	30	6	143	4.3%	1.63 [0.31, 8.50]	
zhenyan gao 2014	65	179	527	1849	16.9%	1.43 [1.04, 1.97]	-
Total (95% CI)		1359		13566	100.0%	1.53 [1.04, 2.26]	◆
Total events	529		2039				
Heterogeneity: Tau <sup>2</sup> =	0.21; Chi <b>≃</b> ∶	= 34.52	, df = 7 (P	< 0.000	1); <b>I<sup>2</sup> =</b> 80	1%	
Test for overall effect: 2	Z = 2.15 (P	= 0.03)				Fa	ours lead poinsoning Favours control

					( <b>h</b>	)	
	Experim	ental	Cont	rol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
ailan gou2010	134	158	146	158	0.6%	0.46 [0.22, 0.95]	
bin he 2006	26	87	421	1172	1.2%	0.76 [0.47, 1.22]	
guo pi 2014	16	165	113	658	1.2%	0.52 [0.30, 0.90]	
jianghong liu 2012	11	105	245	1239	1.0%	0.47 [0.25, 0.90]	
jie shan 2011	71	233	1360	3990	3.0%	0.85 [0.64, 1.13]	
shuang yang 2006	11	30	67	143	0.4%	0.66 [0.29, 1.48]	
xianxiang feng 2006	79	748	225	1163	4.5%	0.49 [0.37, 0.65]	-
xiaohua liu 2008	68	120	21	27	0.4%	0.37 [0.14, 0.99]	
xiulan ma 2012	60	153	718	1357	2.5%	0.57 [0.41, 0.81]	<u> </u>
zangwen tan 2011	2234	5295	33631	64673	84.6%	0.67 [0.64, 0.71]	
zhenyan gao 2014	5	179	94	1849	0.5%	0.54 [0.22, 1.34]	
Total (95% CI)		7273		76429	100.0%	0.66 [0.63, 0.70]	1
Total events	2715		37041				
Heterogeneity: Chi <sup>z</sup> = 1	12.95, df =	10 (P =	0.23); <b>I</b> <sup>2</sup> :	= 23%			
Test for overall effect: 2	z = 15.38 (	P < 0.00	0001)			F-	U.U1 U.1 1 1U 1UU
			· ·			Fa	vours lead poisoning Favours control



	Experim	ental	Contr	ol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
ailan gou2010	142	158	144	158	3.1%	0.86 [0.41, 1.83]	<b>+</b>
bin he 2006	41	87	679	1172	10.7%	0.65 [0.42, 1.00]	
jianghong liu 2012	14	99	361	1173	10.4%	0.37 [0.21, 0.66]	
jie shan 2011	70	233	1511	3990	25.1%	0.70 [0.53, 0.94]	
shuang yang 2006	9	30	78	143	4.1%	0.36 [0.15, 0.83]	
xianxiang feng 2006	100	752	293	1155	43.1%	0.45 [0.35, 0.58]	-
zhenyan gao 2014	4	179	94	1849	3.5%	0.43 [0.16, 1.17]	
Total (95% CI)		1538		9640	100.0%	0.54 [0.46, 0.63]	•
Total events	380		3160				
Heterogeneity: Chi <sup>2</sup> =	10.21, df=	6 (P = 0	0.12); I <sup>2</sup> =	41%			
Test for overall effect:	Z=7.84 (P	< 0.000	001)			F	avours lead poisoning Favours control

	lead pois	oning	Contr	ol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	M-H, Random, 95% Cl
ailan gou2010	114	158	110	158	3.6%	1.13 [0.70, 1.84]	_ <b>+</b> _
guiping chang 2011	25	52	222	415	2.8%	0.80 [0.45, 1.43]	
guo pi 2014	109	165	351	658	5.2%	1.70 [1.19, 2.43]	
hongzhong zhang 2004	222	419	72	121	4.4%	0.77 [0.51, 1.16]	-+-
huiyan liu 2007	52	83	755	1435	3.9%	1.51 [0.96, 2.39]	<b>+</b>
jianghong liu 2012	72	105	668	1239	4.2%	1.86 [1.22, 2.86]	
jiazheng xu 2007	191	274	1132	1997	6.6%	1.76 [1.34, 2.31]	
jie shan 2011	143	233	2281	3990	6.6%	1.19 [0.91, 1.56]	+-
meilin peng 2011	30	51	1803	3343	2.9%	1.22 [0.70, 2.14]	
ning jin 2015	465	764	115	236	6.2%	1.64 [1.22, 2.19]	
qi ye 2001	4	9	50	91	0.6%	0.66 [0.17, 2.60]	
shuang yang 2006	19	30	77	143	1.6%	1.48 [0.66, 3.34]	
shuwei zhang 2007	265	523	636	1693	8.0%	1.71 [1.40, 2.08]	-
sulin fu 2006	55	92	497	919	4.1%	1.26 [0.82, 1.95]	+
sun li 2004	33	63	88	164	2.8%	0.95 [0.53, 1.70]	
xianxiang feng 2006	430	764	495	1187	8.3%	1.80 [1.50, 2.16]	+
xiaofeng gao 2013	24	38	146	263	2.1%	1.37 [0.68, 2.77]	
xinxin chen 2003	476	807	734	1455	8.5%	1.41 [1.19, 1.68]	+
xiulan ma 2012	90	153	793	1357	5.4%	1.02 [0.72, 1.43]	+
xizheng ouyang 2003	172	301	441	823	6.7%	1.15 [0.88, 1.51]	+
zhenyan gao 2014	121	179	969	1849	5.6%	1.89 [1.37, 2.62]	
Total (95% CI)		5263		23536	100.0%	1.39 [1.24, 1.55]	•
Total events	3112		12435				
Heterogeneity: Tau <sup>2</sup> = 0.0	3; Chi² = 42	.70, df =	20 (P = 0	.002); l <sup>a</sup>	= 53%		

					( <b>k</b> )		
	lead poisoninExperin	nental	Cont	rol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	M-H, Random, 95% Cl
huiyan liu 2007	9	77	175	1491	9.2%	1.00 [0.49, 2.03]	-+-
sun li 2004	41	63	61	154	10.9%	2.84 [1.54, 5.23]	
xiaohua liu 2008	77	120	9	27	7.0%	3.58 [1.48, 8.66]	
xiping ma 2005	128	316	188	702	17.9%	1.86 [1.41, 2.46]	+
xiulan ma 2012	68	153	415	1357	16.5%	1.82 [1.29, 2.55]	
zangwen tan 2011	1245	5295	13643	64673	21.3%	1.15 [1.08, 1.23]	-
zhenyan gao 2014	98	179	829	1849	17.2%	1.49 [1.09, 2.03]	
Total (95% CI)		6203		70253	100.0%	1.67 [1.25, 2.22]	•
Total events	1666		15320				
Heterogeneity: Tau <sup>2</sup>	= 0.10; Chi <sup>2</sup> = 32.10, df =	6 (P < 0	.0001); I <sup>2</sup>	= 81%			
Test for overall effect	: Z = 3.51 (P = 0.0005)					F	u.un u.n 1 10 100 avours lead poisoning Favours control

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	Experim	ental	Cont	rol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	M-H, Random, 95% Cl
guo pi 2014	17	165	65	658	7.1%	1.05 [0.60, 1.84]	
hongzhong zhang 2004	111	418	23	120	7.6%	1.52 [0.92, 2.52]	+
huiyan liu 2007	42	83	699	1518	8.1%	1.20 [0.77, 1.87]	
jiazheng xu 2007	48	274	166	1978	8.9%	2.32 [1.63, 3.29]	
qi ye 2001	4	9	17	91	2.5%	3.48 [0.84, 14.36]	
shengliang sun 2014	73	101	45	101	6.9%	3.24 [1.81, 5.83]	
shuang yang 2006	5	17	26	102	3.5%	1.22 [0.39, 3.79]	
sulin fu 2006	24	92	246	919	7.7%	0.97 [0.59, 1.57]	-+-
xiaofeng gao 2013	14	38	19	263	5.2%	7.49 [3.34, 16.80]	
xiaozhen xiao 2006	30	41	73	161	5.6%	3.29 [1.54, 7.01]	
xiping ma 2005	123	316	159	702	9.4%	2.18 [1.63, 2.90]	-
xizheng ouyang 2003	153	301	362	823	9.6%	1.32 [1.01, 1.72]	-
zangwen tan 2011	1722	5295	19858	64673	10.6%	1.09 [1.02, 1.15]	•
zhenyan gao 2014	16	179	178	1849	7.3%	0.92 [0.54, 1.58]	
Total (95% CI)		7329		73958	100.0%	1.68 [1.29, 2.17]	◆
Total events	2382		21936				
Heterogeneity: Tau <sup>2</sup> = 0.1	6; Chi <sup>2</sup> = 8	3.04, df	= 13 (P <	0.00001	l); l² = 849	6	
Test for overall effect: Z =	3.91 (P < 0	).0001)		г.			
						Fa	vours lead poisoning Favours control
					(m)	)	

	Experim	ental	Cont	rol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% CI
shuang yang 2006	0	17	3	102	0.0%	0.81 [0.04, 16.42]	
guo pi 2014	85	165	345	658	3.0%	0.96 [0.69, 1.36]	+
zhenyan gao 2014	12	179	107	1849	0.8%	1.17 [0.63, 2.17]	<u>+</u>
zangwen tan 2011	1893	5295	20393	64673	89.7%	1.21 [1.14, 1.28]	
meilin peng 2011	16	51	917	3343	0.9%	1.21 [0.67, 2.20]	
xiping ma 2005	123	316	232	702	4.0%	1.29 [0.98, 1.70]	
huiyan liu 2007	1	83	12	1518	0.1%	1.53 [0.20, 11.91]	
xiulan ma 2012	15	153	78	1357	0.6%	1.78 [1.00, 3.18]	
xiaohua liu 2008	56	120	8	27	0.3%	2.08 [0.84, 5.11]	+
shengliang sun 2014	73	101	45	101	0.6%	3.24 [1.81, 5.83]	<del></del>
Total (95% CI)		6480		74330	100.0%	1.22 [1.16, 1.29]	•
Total events	2274		22140				
Heterogeneity: Chi <sup>2</sup> = 1:	5.91, df = 9	(P = 0.0	07); I <sup>2</sup> = 4	3%			
Test for overall effect: Z	= 7.09 (P <	< 0.0000	01)			Fa	0.01 0.1 1 10 100 avours lead poisoning Favours control

(11)
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	Experim	ental	Contr	ol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% Cl	M-H, Fixed, 95% Cl
hong tian 2006	378	459	356	596	45.9%	3.15 [2.35, 4.21]	-
hongzhong zhang 2004	39	418	5	120	5.9%	2.37 [0.91, 6.14]	
shuang yang 2006	4	17	17	102	3.1%	1.54 [0.45, 5.29]	
sulin fu 2006	4	92	40	919	5.8%	1.00 [0.35, 2.86]	
xiaohua liu 2008	73	120	8	27	4.3%	3.69 [1.49, 9.11]	— <b>-</b>
xiping ma 2005	70	316	82	702	33.2%	2.15 [1.51, 3.06]	-
zhenyan gao 2014	4	179	12	1849	1.7%	3.50 [1.12, 10.96]	
Total (95% CI)		1601		4315	100.0%	2.62 [2.15, 3.20]	•
Total events	572		520				
Heterogeneity: Chi <sup>2</sup> = 7.52	2, df = 6 (P	= 0.28);	I <sup>z</sup> = 20%				
Test for overall effect: Z =	9.49 (P < 0	0.00001)	)			Fa	wours lead poisoning Favours control

						( <b>o</b> )	
	experin	nent	Cont	rol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Random, 95% Cl	M-H, Random, 95% Cl
bin he 2006	8	87	134	1085	7.8%	0.72 [0.34, 1.52]	
jiazheng xu 2007	39	274	201	1997	11.5%	1.48 [1.03, 2.14]	
jie shan 2011	71	233	1526	3990	12.2%	0.71 [0.53, 0.94]	-
qinrong zhang 2004	365	600	104	412	12.3%	4.60 [3.49, 6.06]	
shuang yang 2006	9	30	20	143	6.5%	2.64 [1.06, 6.57]	
xinxin chen 2003	521	807	715	1455	13.0%	1.89 [1.58, 2.25]	-
xiulan ma 2012	43	153	243	1357	11.4%	1.79 [1.23, 2.62]	
zangwen tan 2011	976	5295	10341	69968	13.4%	1.30 [1.21, 1.40]	•
zhenyan gao 2014	69	179	558	1849	11.9%	1.45 [1.06, 1.99]	∣
Total (95% CI)		7658		82256	100.0%	1.58 [1.14, 2.18]	◆
Total events	2101		13842				
Heterogeneity: Tau <sup>2</sup> =	0.20; Chi <sup>a</sup>	= 114.0	)4, df = 8	(P < 0.0	0001); I <b>ř</b> :	= 93%	
Test for overall effect: 2	Z = 2.77 (F	P = 0.00	6)			Fa	avours lead poinsoning Favours control





**Figure S1:**Forest plots for risk factors of child lead poisoning;.(**a**) home painting; (**b**) living near main roads; (**c**) passive smoking; (**d**) often eating foods containing lead; (**e**) frequent consumption of dairy products; (**f**) daily intake of calcium, iron, and/or zinc supplements; (**g**) potential for father's occupational exposure to lead; (**h**) potential for mother's occupational exposure to lead; (**i**) mother's educational level; (**j**) father's educational level; (**k**) sex; (**l**) industry around the home; (**m**) hand-to-mouth activity; (**n**) no often washing hands at keytimes; (**o**) picky eating; (**p**) living on the ground floor; (**q**) coalburning; (**r**) peeling walls.







**Figure S2.** Funnel plots of risk factors for child lead poisoning. (**a**) home painting—living near main roads; (**b**) passive smoking—often eating foods containing lead; (**c**) frequent consumption of dairy products—potential for father's occupational exposure to lead; (**d**) potential for mother's occupational exposure to lead—father's educational level; (**e**) mother's educational level—sex; (**f**) industry around the home—hand-to-mouth activity; (**g**) no often washing hands at keytimes—picky eating; (**h**) living on the ground floor—coalburning.



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