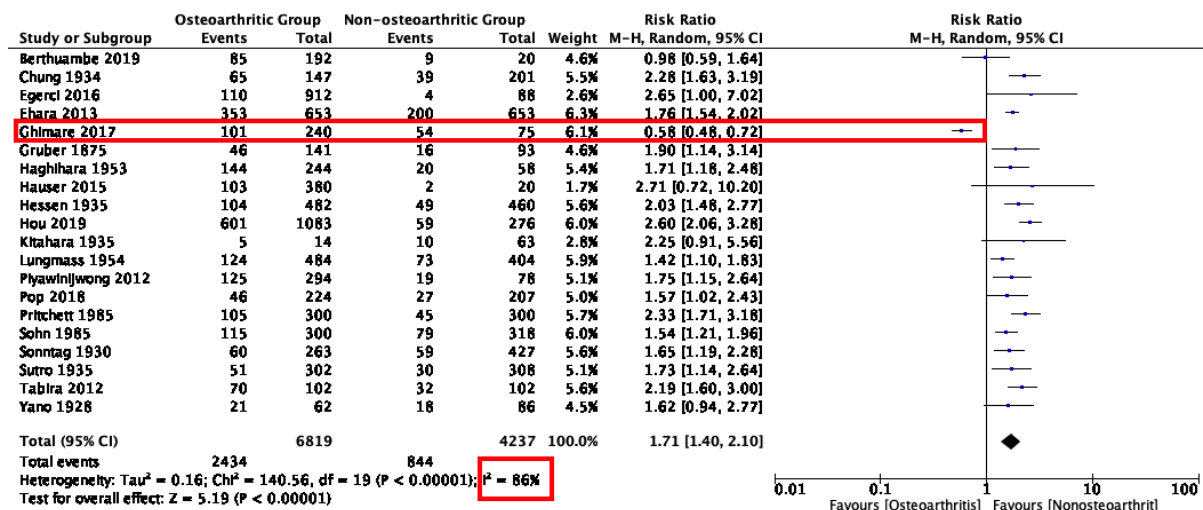
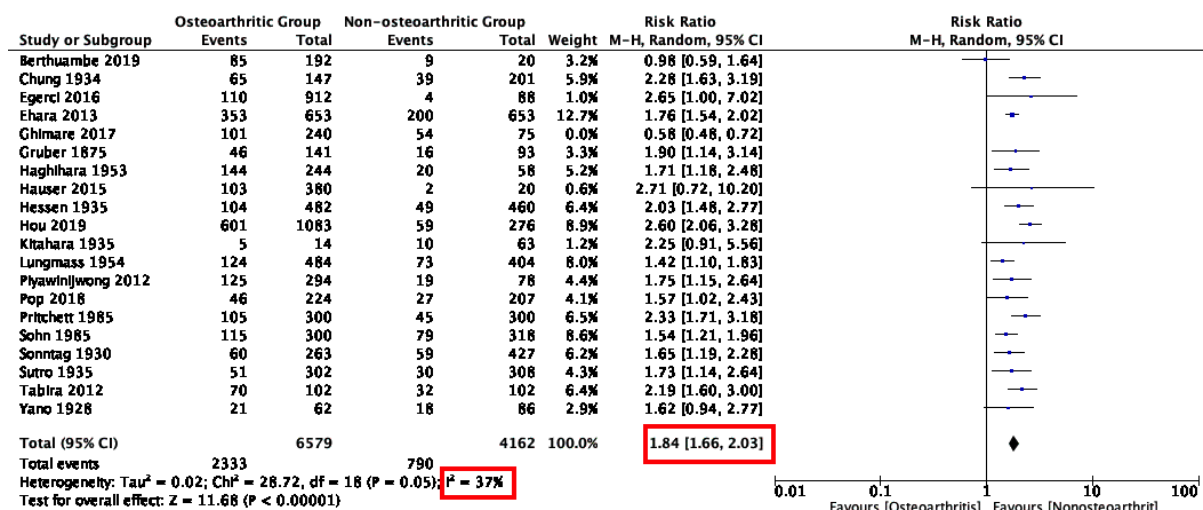




Note : Heterogeneity 86% might be due to Ghimire et al.



Note: Removal of Ghimire et al 2017 heterogeneity 37% (Low heterogeneity) .No the result may combined.

ProMeta 3: procedures

Data reverified

Effect size templates

- Data entry types
 - Means
 - Correlations
 - Binary data
 - Survival data
 - Incidence rates

Varia...

Data...

Projects

- Pre-analysis
- difference of prevalence
 - Summary Statistics
 - Country/Ethnicity
 - Publication type
 - Publication year
 - Publication bias

Studies

- Berthume 2019
- Chung 1934
- Egreci 2016
- Ehara 2013
- Chimare 2017
- Gruber 1875
- Hagihara 1993
- Hausser 2015
- Hessen 1935
- Hou 2019
- Kitahara 1935
- Lungmass 1954
- Piyawinijwong 2012
- Pop 2018
- Pritchett 1983
- Sohn 1985
- Sonntag 1930
- Sutro 1935
- Tabira 2012
- Yano 1928

Summary Statistics report - Editor

Summary Statistics report

This is the Data Editor

Results for each study (random-effects model)

Plot

Export to file

Id	ES	LL	UL	Sig.	V	SE	W	Res.	R-Sig.	N	n1	n2	n na
Berthume 2019	0.98	0.59	1.64	0.950			3.23%	-2.34	0.019	212	192	20	0
Chung 1934	2.28	1.63	3.19	0.000			5.94%	0.96	0.336	348	147	201	0
Egreci 2016	2.65	1.00	7.02	0.049			1.03%	0.69	0.491	1000	912	88	0
Ehara 2013	1.77	1.54	2.02	0.000			12.81%	-0.36	0.718	1306	653	653	0
Gruber 1875	1.90	1.14	3.14	0.013			3.28%	0.05	0.956	234	141	93	0
Hagihara 1993	1.71	1.18	2.48	0.004			5.22%	-0.38	0.701	302	244	58	0
Hausser 2015	2.71	0.72	10.20	0.140			0.57%	0.54	0.587	400	380	20	0
Hessen 1935	2.05	1.49	2.80	0.000			6.45%	0.45	0.654	942	482	460	0
Hou 2019	2.60	2.06	3.28	0.000			8.90%	2.55	0.011	1359	1083	276	0
Kitahara 1935	2.25	0.91	5.56	0.079			1.19%	0.39	0.696	77	14	63	0
Lungmass 1954	1.43	1.10	1.85	0.007			8.07%	-1.62	0.104	885	481	404	0
Piyawinijwong 2012	1.75	1.15	2.64	0.008			4.46%	-0.27	0.784	372	294	78	0
Pop 2018	1.57	1.02	2.43	0.041			4.12%	-0.67	0.502	431	224	207	0
Pritchett 1983	2.33	1.71	3.18	0.000			6.54%	1.15	0.252	600	300	300	0
Sohn 1985	1.54	1.21	1.96	0.000			8.67%	-1.14	0.256	618	300	318	0
Sonntag 1930	1.65	1.19	2.28	0.002			6.19%	-0.59	0.553	690	263	427	0
Sutro 1935	2.18	1.43	3.34	0.000			4.28%	0.63	0.528	690	302	388	0
Tabira 2012	2.19	1.60	3.00	0.000			6.41%	0.79	0.431	204	102	102	0
Yano 1928	1.94	1.09	3.46	0.024			2.64%	0.12	0.902	148	62	86	0

Overall effect size

Id	k	ES	LL	UL	Sig.	V	SE	N	n1	n2	n na
Overall (random-effects model)	19	1.87	1.69	2.07	0.000			10818	6576	4242	0

Heterogeneity analysis

Id	Q	df	Sig.	I^2	T^2	T
Heterogeneity statistics		28.65	18	0.053	37.18	0.02

Sensitivity Analysis of procedure

Sensitivity analysis (random-effects model)

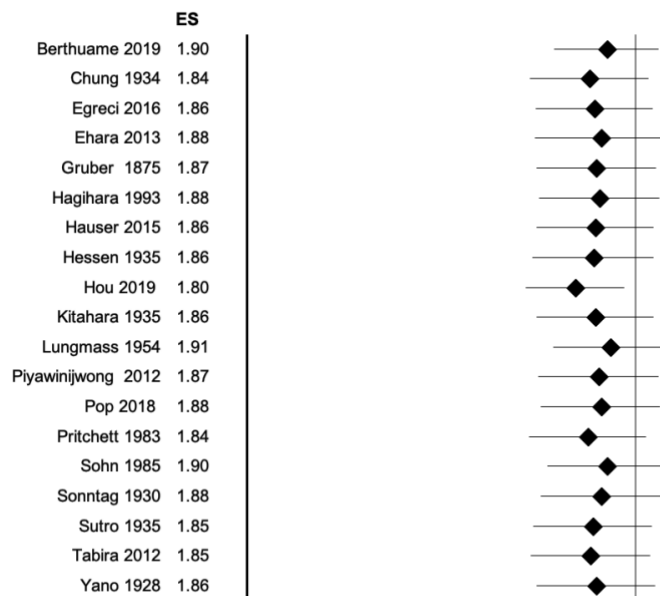


Plot



Export to file

Id	k	ES	LL	UL	Sig.	V	SE	N	n1	n2	n na
Berthume 2019	18	1.90	1.73	2.08	0.000			10606	6384	4222	0
Chunq 1934	18	1.84	1.66	2.05	0.000			10470	6429	4041	0
Egreci 2016	18	1.86	1.68	2.06	0.000			9818	5664	4154	0
Ehara 2013	18	1.88	1.67	2.11	0.000			9512	5923	3589	0
Gruber 1875	18	1.87	1.68	2.08	0.000			10584	6435	4149	0
Haqihara 1993	18	1.88	1.68	2.09	0.000			10516	6332	4184	0
Hauser 2015	18	1.86	1.68	2.07	0.000			10418	6196	4222	0
Hessen 1935	18	1.86	1.66	2.07	0.000			9876	6094	3782	0
Hou 2019	18	1.80	1.65	1.96	0.000			9459	5493	3966	0
Kitahara 1935	18	1.86	1.68	2.07	0.000			10741	6562	4179	0
Lunqmass 1954	18	1.91	1.73	2.11	0.000			9933	6095	3838	0
Piyawiniwong 2012	18	1.87	1.68	2.08	0.000			10446	6282	4164	0
Pop 2018	18	1.88	1.69	2.09	0.000			10387	6352	4035	0
Pritchett 1983	18	1.84	1.66	2.04	0.000			10218	6276	3942	0
Sohn 1985	18	1.90	1.71	2.11	0.000			10200	6276	3924	0
Sonntaq 1930	18	1.88	1.69	2.10	0.000			10128	6313	3815	0
Sutro 1935	18	1.85	1.67	2.06	0.000			10128	6274	3854	0
Tabira 2012	18	1.85	1.66	2.05	0.000			10614	6474	4140	0
Yano 1928	18	1.86	1.68	2.07	0.000			10670	6514	4156	0



1

2

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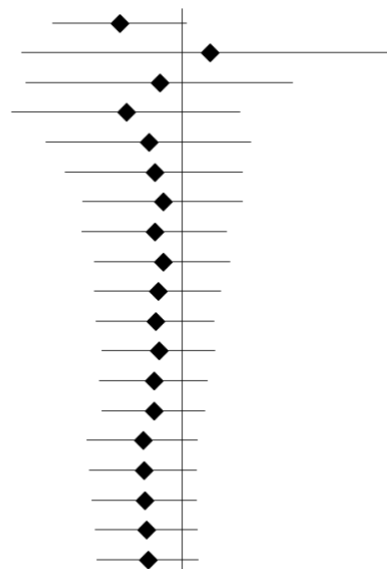
Cumulative Analysis

Cumulative analysis (random-effects model)



Id	k	ES	LL	UL	Sig.	V	SE	N	n1	n2	n na
Ehara 2013	1	1.77	1.54	2.02	0.000			1306	653	653	0
Hou 2019	2	2.11	1.45	3.08	0.000			2665	1736	929	0
Sohn 1985	3	1.91	1.46	2.50	0.000			3283	2036	1247	0
Lungmass 1954	4	1.79	1.42	2.25	0.000			4168	2517	1651	0
Pritchett 1983	5	1.87	1.52	2.30	0.000			4768	2817	1951	0
Hessen 1935	6	1.89	1.58	2.26	0.000			5710	3299	2411	0
Tabira 2012	7	1.92	1.64	2.26	0.000			5914	3401	2513	0
Sonntag 1930	8	1.89	1.63	2.19	0.000			6604	3664	2940	0
Chung 1934	9	1.92	1.68	2.21	0.000			6952	3811	3141	0
Hagihara 1993	10	1.91	1.68	2.16	0.000			7254	4055	3199	0
Piyawiniwong 2012	11	1.89	1.68	2.13	0.000			7626	4349	3277	0
Sutro 1935	12	1.91	1.70	2.14	0.000			8316	4651	3665	0
Pop 2018	13	1.89	1.70	2.11	0.000			8747	4875	3872	0
Gruber 1875	14	1.89	1.70	2.10	0.000			8981	5016	3965	0
Berthuame 2019	15	1.85	1.65	2.07	0.000			9193	5208	3985	0
Yano 1928	16	1.85	1.66	2.06	0.000			9341	5270	4071	0
Kitahara 1935	17	1.86	1.67	2.06	0.000			9418	5284	4134	0
Egreci 2016	18	1.86	1.68	2.07	0.000			10418	6196	4222	0
Hauser 2015	19	1.87	1.69	2.07	0.000			10818	6576	4242	0

	ES	95% CI
Ehara 2013	1.77	1.54 , 2.02
Hou 2019	2.11	1.45 , 3.08
Sohn 1985	1.91	1.46 , 2.50
Lungmass 1954	1.79	1.42 , 2.25
Pritchett 1983	1.87	1.52 , 2.30
Hessen 1935	1.89	1.58 , 2.26
Tabira 2012	1.92	1.64 , 2.26
Sonntag 1930	1.89	1.63 , 2.19
Chung 1934	1.92	1.68 , 2.21
Hagihara 1993	1.91	1.68 , 2.16
Piyawiniwong 2012	1.89	1.68 , 2.13
Sutro 1935	1.91	1.70 , 2.14
Pop 2018	1.89	1.70 , 2.11
Gruber 1875	1.89	1.70 , 2.10
Berthuame 2019	1.85	1.65 , 2.07
Yano 1928	1.85	1.66 , 2.06
Kitahara 1935	1.86	1.67 , 2.06
Egreci 2016	1.86	1.68 , 2.07
Hauser 2015	1.87	1.69 , 2.07



The Geographical or ethnic comparison

Overall levels (random-effects model)



Id	k	ES	LL	UL	Sig.	V	SE	N	n1	n2	n na
Asian mangloid	9	1.93	1.64	2.27	0.000			4328	2791	1537	0
Europe	7	1.79	1.53	2.09	0.000			4182	2271	1911	0
Middle east/ Asian	1	2.65	1.00	7.02	0.049			1000	912	88	0
North America	1	2.18	1.43	3.34	0.000			690	302	388	0

Heterogeneity analysis

Id	Q	df	Sig.	I ²	T ²	T
Asian mangloid	16.92	8	0.031	52.71	0.03	0.17
Europe	7.47	6	0.279	19.72	0.01	0.09

Test of difference

Id	Q	df	Sig.
ANOVA Q-Test Random-effects wit...		1.41	3 0.703

Results for each study (random-effects model) <Asian mangloid>

Id	ES	LL	UL	Sig.	V	SE	W	Res.	R-Sig.	N	n1	n2	n na
Berthuame 2019	0.98	0.59	1.64	0.950			7.34%	-2.51	0.012	212	192	20	0
Chung 1934	2.28	1.63	3.19	0.000			12.21%	0.72	0.469	348	147	201	0
Ehara 2013	1.77	1.54	2.02	0.000			21.19%	-0.46	0.648	1306	653	653	0
Haqihara 1993	1.71	1.18	2.48	0.004			11.00%	-0.47	0.638	302	244	58	0
Hou 2019	2.60	2.06	3.28	0.000			16.57%	2.08	0.038	1359	1083	276	0
Kitahara 1935	2.25	0.91	5.56	0.079			2.93%	0.32	0.749	77	14	63	0
Piyawiniwong 2012	1.75	1.15	2.64	0.008			9.67%	-0.37	0.714	372	294	78	0
Tabira 2012	2.19	1.60	3.00	0.000			12.96%	0.56	0.576	204	102	102	0
Yano 1928	1.94	1.09	3.46	0.024			6.13%	0.03	0.979	148	62	86	0

Results for each study (random-effects model) <Europe>

Id	ES	LL	UL	Sig.	V	SE	W	Res.	R-Sig.	N	n1	n2	n na
Gruber 1875	1.90	1.14	3.14	0.013			8.44%	0.20	0.845	234	141	93	0
Hauser 2015	2.71	0.72	10.20	0.140			1.36%	0.61	0.545	400	380	20	0
Hessen 1935	2.05	1.49	2.80	0.000			18.46%	0.75	0.456	942	482	460	0
Lunqmass 1954	1.43	1.10	1.85	0.007			24.51%	-1.98	0.048	885	481	404	0
Pop 2018	1.57	1.02	2.43	0.041			10.90%	-0.56	0.578	431	224	207	0
Pritchett 1983	2.33	1.71	3.18	0.000			18.79%	1.90	0.058	600	300	300	0
Sonntaq 1930	1.65	1.19	2.28	0.002			17.54%	-0.45	0.654	690	263	427	0

Results for each study (random-effects model) <Middle east/ Asian>

Id	ES	LL	UL	Sig.	V	SE	W	Res.	R-Sig.	N	n1	n2	n na
Egreci 2016	2.65	1.00	7.02	0.049			100.00%	0.00	1.000	1000	912	88	0

Results for each study (random-effects model) <North America>

Id	ES	LL	UL	Sig.	V	SE	W	Res.	R-Sig.	N	n1	n2	n na
Sutro 1935	2.18	1.43	3.34	0.000			100.00%	0.00	1.000	690	302	388	0

Trim and fill analysis (random-effects model)

[Plot](#)

Id	ES	LL	UL	Sig.	V	SE
Overall effect size (observed)	1.87	1.69	2.07	0.000		
Overall effect size (estimated)	1.86	1.68	2.05	0.000		

* Trimmed studies: 2

Egger's linear regression test

Intercept 0.28 t 0.43 Sig. 0.672

Begg and Mazumdar's rank correlation test

Z value for Kendall's tau 0.17 Sig. 0.861

Fail Safe N 1117 The value is above Rosenthal's rule of thumb ($5k+10 = 105$)

Results for each study (random-effects model) <Conference presentation>

Id	ES	LL	UL	Sig.	V	SE	W	Res.	R-Sig.	N	n1	n2	n na
Ehara 2013	1.77	1.54	2.02	0.000			100.00%	0.00	1.000	1306	653	653	0

Results for each study (random-effects model) <Journal article>

Id	ES	LL	UL	Sig.	V	SE	W	Res.	R-Sig.	N	n1	n2	n na
Berthume 2019	0.98	0.59	1.64	0.950			3.92%	-2.35	0.019	212	192	20	0
Chunq 1934	2.28	1.63	3.19	0.000			6.83%	0.87	0.387	348	147	201	0
Egreci 2016	2.65	1.00	7.02	0.049			1.31%	0.67	0.505	1000	912	88	0
Gruber 1875	1.90	1.14	3.14	0.013			3.98%	0.03	0.977	234	141	93	0
Haqihara 1993	1.71	1.18	2.48	0.004			6.08%	-0.39	0.695	302	244	58	0
Hauser 2015	2.71	0.72	10.20	0.140			0.74%	0.53	0.597	400	380	20	0
Hessen 1935	2.05	1.49	2.80	0.000			7.33%	0.38	0.702	942	482	460	0
Hou 2019	2.60	2.06	3.28	0.000			9.66%	2.25	0.024	1359	1083	276	0
Kitahara 1935	2.25	0.91	5.56	0.079			1.50%	0.37	0.710	77	14	63	0
Lunqmass 1954	1.43	1.10	1.85	0.007			8.89%	-1.60	0.110	885	481	404	0
Piyawiniwonq 2012	1.75	1.15	2.64	0.008			5.28%	-0.29	0.772	372	294	78	0
Pop 2018	1.57	1.02	2.43	0.041			4.91%	-0.67	0.502	431	224	207	0
Pritchett 1983	2.33	1.71	3.18	0.000			7.42%	1.03	0.304	600	300	300	0
Sohn 1985	1.54	1.21	1.96	0.000			9.45%	-1.10	0.271	618	300	318	0
Sonntaq 1930	1.65	1.19	2.28	0.002			7.07%	-0.59	0.556	690	263	427	0
Sutro 1935	2.18	1.43	3.34	0.000			5.08%	0.57	0.566	690	302	388	0
Tabira 2012	2.19	1.60	3.00	0.000			7.30%	0.70	0.485	204	102	102	0
Yano 1928	1.94	1.09	3.46	0.024			3.24%	0.10	0.922	148	62	86	0

Overall levels (random-effects model)



Plot



Export to file

Id	k	ES	LL	UL	Sig.	V	SE	N	n1	n2	n na
Conference presentation	1	1.77	1.54	2.02	0.000			1306	653	653	0
Journal article	18	1.88	1.67	2.11	0.000			9512	5923	3589	0

Heterogeneity analysis

Id	Q	df	Sig.	I ²	T ²	T
Journal article	27.96	17	0.045	39.20	0.02	0.15

Effect size based of year of publication

