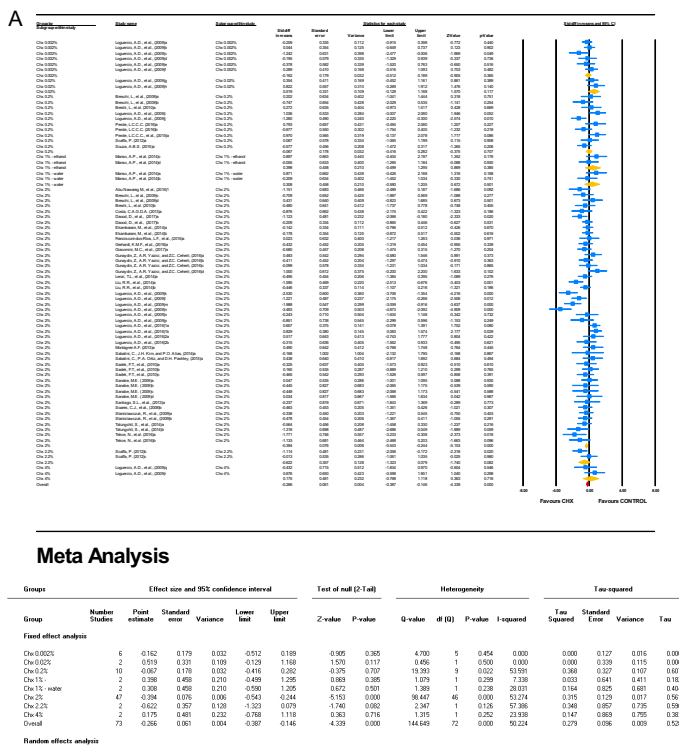
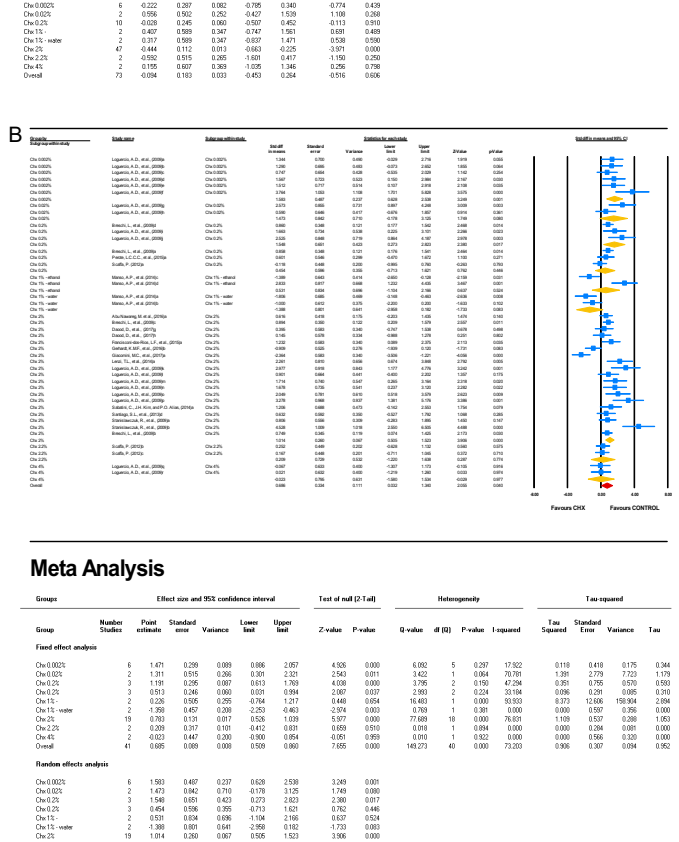
A



Meta Analysis

Groups	Effect size and 95% confidence interval							Test of null (2-Tail)		Heterogeneity				Tau-squared			
Group	Number Studies	Point estimate	Standard error	Variance	Lower limit	Upper limit		Z-value	P-value	Q-value	df (Q)	P-value	I-squared	Tau Squared	Standard Error	Variance	Tau
Fixed effect analysis																	
Chx 0.002%	6	-0.162	0.179	0.032	-0.512	0.189		-0.905	0.365	4.700	5	0.454	0.000	0.000	0.127	0.016	0.000
Chx 0.02%	2	0.519	0.331	0.109	-0.129	1.168		1.570	0.117	0.456	1	0.500	0.000	0.000	0.339	0.115	0.000
Chx 0.2%	10	-0.067	0.178	0.032	-0.416	0.282		-0.375	0.707	19.393	9	0.022	53.591	0.368	0.327	0.107	0.60
Chx 1%	2	0.398	0.458	0.210	-0.499	1.295		0.869	0.385	1.079	1	0.299	7.338	0.033	0.641	0.411	0.18
Chx 1% - water	2	0.308	0.458	0.210	-0.590	1.205		0.672	0.501	1.389	1	0.238	28.031	0.164	0.825	0.681	0.40
Chx 2%	47	-0.394	0.076	0.006	-0.543	-0.244		-5.153	0.000	98.447	46	0.000	53.274	0.315	0.129	0.017	0.56
Chx 2.2%	2	-0.622	0.357	0.128	-1.323	0.079		-1.740	0.082	2.347	1	0.126	57.396	0.348	0.857	0.735	0.59
Chx 4%	2	0.175	0.481	0.232	-0.768	1.118		0.363	0.716	1.315	1	0.252	23.938	0.147	0.869	0.755	0.38
Overall	73	-0.286	0.061	0.004	-0.387	-0.146		-4.239	0.000	144.649	72	0.000	50.224	0.279	0.086	0.009	0.52
Random effects analysis																	
Chx 0.002%	6	-0.222	0.297	0.082	-0.795	0.340		-0.774	0.439								
Chx 0.02%	2	0.556	0.502	0.252	-0.427	1.539		1.106	0.268								
Chx 0.2%	10	-0.028	0.245	0.060	-0.507	0.452		-0.113	0.910								
Chx 1% - water	2	0.407	0.589	0.347	-0.747	1.561		0.691	0.489								
Chx 2%	47	-0.444	0.112	0.013	-0.663	-0.225		-3.971	0.000								
Chx 2.2%	2	-0.592	0.515	0.265	-1.601	0.417		-1.150	0.250								
Chx 4%	2	0.155	0.607	0.369	-1.035	1.346		0.256	0.798								
Overall	73	-0.094	0.183	0.033	-0.453	0.264		-0.516	0.606								

B



Meta Analysis

Groups	Effect size and 95% confidence interval							Test of null (2-Tail)		Heterogeneity				Tau-squared			
Group	Number Studies	Point estimate	Standard error	Variance	Lower limit	Upper limit		Z-value	P-value	Q-value	df (Q)	P-value	I-squared	Tau Squared	Standard Error	Variance	Tau
Fixed effect analysis																	
Chx 0.002%	6	1.471	0.299	0.089	0.886	2.057		4.926	0.000	6.092	5	0.297	17.922	0.110	0.419	0.175	0.344
Chx 0.02%	2	1.311	0.515	0.266	0.301	2.321		2.543	0.011	3.422	1	0.064	70.781	1.391	2.779	7.723	1.179
Chx 0.2%	3	1.191	0.295	0.087	0.613	1.769		4.038	0.000	3.795	2	0.150	47.294	0.351	0.755	0.570	0.593
Chx 0.2%	3	0.513	0.246	0.060	0.031	0.994		2.087	0.037	2.993	2	0.224	33.184	0.096	0.291	0.085	0.310
Chx 1%	2	0.226	0.525	0.275	-0.784	1.217		0.448	0.654	16.463	1	0.000	93.933	8.373	12.686	158.904	2.894
Chx 1% - water	2	-1.359	0.457	0.208	-2.253	-0.463		-2.974	0.003	0.769	1	0.381	0.000	0.000	0.597	0.356	0.000
Chx 2%	19	0.783	0.131	0.017	0.526	1.039		5.977	0.000	77.689	18	0.000	76.631	1.109	0.537	0.288	1.053
Chx 2.2%	2	0.209	0.317	0.101	0.412	0.831		0.659	0.510	0.018	1	0.894	0.000	0.000	0.284	0.081	0.000
Chx 4%	2	-0.023	0.447	0.200	-0.900	0.854		-0.051	0.959	0.010	1	0.922	0.000	0.000	0.566	0.320	0.000
Overall	41	0.685	0.089	0.008	0.508	0.860		7.655	0.000	149.273	40	0.000	73.203	0.906	0.307	0.094	0.952
Random effects analysis																	
Chx 0.002%	6	1.593	0.487	0.237	0.628	2.538		3.249	0.001								
Chx 0.02%	2	1.473	0.842	0.710	-0.178	3.125		1.749	0.080								
Chx 0.2%	3	1.548	0.651	0.423	0.273	2.823		2.380	0.017								
Chx 0.2%	3	0.454	0.596	0.355	-0.713	1.621		0.762	0.446								
Chx 1%	2	0.531	0.834	0.696	-1.104	2.166		0.637	0.524								
Chx 1% - water	2	-1.388	0.681	0.641	-2.958	0.182		-1.733	0.083								
Chx 2%	19	1.014	0.260	0.067	0.505	1.523		3.906	0.000								
Chx 2.2%	2	0.209	0.729	0.532	-1.220	1.638		0.287	0.774								
Chx 4%	2	-0.023	0.785	0.621	-1.568	1.534		-0.029	0.977								
Overall	41	0.686	0.334	0.111	0.032	1.340		2.055	0.040								