

Online supplementary materials for:

Why we need a living meta-analysis of Self-Determination Theory:

An illustration examining temporal changes in need supportive education

Table S1. Sensitivity analyses removing early and late results, as well as potential influential studies

		Mean estimates			CI 95%		Meta-regression of time			CI 95%		Heterogeneity	
		k	mean	SE	lower	upper	estimate	SE	<i>p</i>	lower	upper	I ²	R ²
Initial finding		509	0.6282	0.0054	0.6177	0.6387	0.0041	0.0011	0.0003	0.0019	0.0063	99.83	2.32
Removed years	2001, 2002	507	0.6289	0.0053	0.6184	0.6394	0.0038	0.0012	0.0012	0.0015	0.0060	99.83	1.84
	& 2003	504	0.6289	0.0054	0.6183	0.6394	0.0040	0.0012	0.0009	0.0016	0.0063	99.83	1.97
	& 2004	501	0.6288	0.0054	0.6182	0.6393	0.0042	0.0012	0.0006	0.0018	0.0066	99.83	2.15
	2022	504	0.6274	0.0054	0.6168	0.638	0.0040	0.0012	0.0006	0.0017	0.0062	99.83	2.12
Influential studies	Aibar et al., 2021	508	0.6283	0.0054	0.6178	0.6388	0.0041	0.0011	0.0003	0.0019	0.0064	99.83	2.36

Table S2. Meta-regression with year of publication on mean level competence support scores

		95% CI					Publication range				
	k	Estimate	se	<i>p</i>	lower	upper	tau	R ² (%)	I ² (%)	first	last
United States	23	-0.0048	0.0064	0.4506	-0.0173	0.0077	0.1111	0	99.75	2008	2020
China	4	-0.0288	0.0720	0.6897	-0.1700	0.1124	0.1192	0	99.54	2019	2021
Belgium	21	0.0115	0.0066	0.0805	-0.0014	0.0245	0.113	9.24	99.48	2009	2021
Spain	9	0.0075	0.0173	0.667	-0.0265	0.0414	0.114	0	99.43	2015	2022
Canada	7	-0.0153	0.0166	0.3573	-0.0478	0.0172	0.0734	0	99.18	2017	20221
Germany	7	0.0074	0.0075	0.3265	-0.0074	0.0221	0.0686	2.21	99.46	2007	2019

Table S3. Meta-regression with year of publication on mean level relatedness support scores

					95% CI					Publication range	
	k	Estimate	se	<i>p</i>	lower	upper	tau	R ² (%)	I ² (%)	first	last
United States	15	0.0032	0.0096	0.7383	-0.0156	0.022	0.145	0	99.74	2006	2020
China	9	0.0235	0.0127	0.0642	-0.0014	0.0485	0.0897	23.32	99.54	2013	2021
Belgium	14	0.0067	0.0056	0.2292	-0.0042	0.0176	0.0892	3.16	98.77	2006	2021
Spain	8	-0.0149	0.018	0.4055	-0.0501	0.0203	0.0911	0	99.44	2017	2023
Canada	8	-0.0067	0.0038	0.0824	-0.0142	0.0009	0.048	25.71	97.09	2005	2021
Israel	5	-0.0083	0.0169	0.6252	-0.0414	0.0249	0.159	0	99.27	2008	2021