

ABILITY GROUPING AND MATHEMATICS ACHIEVEMENT

Supplementary Table 1. Ability grouping in schools.

	Number of schools with different types of ability grouping						Total No.
	No ability grouping		Ability grouping for some classes		Ability grouping for all classes		
	No.	%	No.	%	No.	%	
Australia	217	1.52	6,939	48.65	7,108	49.83	14,264
Austria	3,397	73.90	664	14.44	536	11.66	4,597
Belgium	1,435	17.63	4,829	59.32	1,877	23.06	8,141
Canada	1,709	8.07	11,583	54.69	7,889	37.25	21,181
Switzerland	1,142	10.75	4,014	37.77	5,472	51.49	10,628
Chile	2,566	37.68	1,685	24.74	2,559	37.58	6,810
Czech Republic	2,645	61.00	1,282	29.57	409	9.43	4,336
Germany	1,295	31.14	1,404	33.76	1,460	35.10	4,159
Denmark	1,681	25.79	3,807	58.42	1,029	15.79	6,517
Spain	2,482	10.05	11,477	46.46	10,746	43.50	24,705
Estonia	490	10.34	2,871	60.58	1,378	29.08	4,739
Finland	2,940	33.95	4,062	46.91	1,658	19.15	8,660
France	1,829	44.71	1,273	31.12	989	24.18	4,091
United Kingdom	108	0.92	4,649	39.40	7,042	59.68	11,799
Greece	4,209	83.07	535	10.56	323	6.37	5,067
Hungary	1,067	22.76	1,516	32.34	2,105	44.9	4,688
Ireland	33	0.72	1,868	40.66	2,693	58.62	4,594
Iceland	447	13.12	1,394	40.92	1,566	45.96	3,407
Israel	81	1.70	1,939	40.64	2,751	57.66	4,771
Italy	7,137	25.23	14,642	51.75	6,513	23.02	28,292
Japan	2,393	37.68	2,818	44.37	1,140	17.95	6,351
Korea	512	10.17	2,413	47.94	2,108	41.88	5,033
Luxembourg	1,651	32.47	2,101	41.33	1,332	26.20	5,084
Mexico	9,246	27.66	10,115	30.26	14,067	42.08	33,428
Netherlands	285	7.35	1,490	38.44	2,101	54.21	3,876
Norway	2,398	53.68	1,038	23.24	1,031	23.08	4,467
New Zealand	38	1.02	2,228	59.56	1,475	39.43	3,741
Poland	1,821	43.33	748	17.80	1,634	38.88	4,203
Portugal	1,955	35.42	2,330	42.21	1,235	22.37	5,520
Slovak Republic	1,314	28.85	1,944	42.69	1,296	28.46	4,554
Slovenia	3,082	55.04	2,259	40.34	259	4.63	5,600
Sweden	696	14.87	1,255	26.80	2,731	58.33	4,682
Turkey	1,174	24.37	1,985	41.21	1,658	34.42	4,817
US	227	4.74	3,093	64.59	1,469	30.67	4,789
Total	63,702	22.62	118,250	41.99	99,639	35.38	281,591

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Supplementary Table 2. Descriptive statistics for variables.

	<u>M(SD)</u>			
	All schools	No ability grouping for all classes	Ability grouping for some classes	Ability grouping for all classes
MathPV1	488.36(95.43)	494.08(95.21)	489.80(95.08)	483.09(95.69)
MathPV2	488.39(95.41)	493.96(95.19)	489.88(95.16)	483.13(95.59)
MathPV3	488.40(95.44)	494.08(95.17)	489.97(95.12)	482.98(95.70)
MathPV4	488.40(95.46)	493.82(95.09)	490.02(95.03)	483.09(95.93)
MathPV5	488.47(95.52)	493.96(95.26)	490.09(95.18)	483.11(95.81)
COGACT	0.03(0.98)	-0.01(0.96)	0.02(0.99)	0.07(0.99)
CLSMAN	0.00(0.98)	-0.03(0.98)	-0.01(0.98)	0.04(0.98)
TCHBEHFA	0.03(0.98)	-0.03(0.97)	0.03(0.98)	0.06(0.99)
TEACHSUP	0.03(0.97)	-0.05(0.98)	0.02(0.96)	0.10(0.96)
ESCS	-0.06(1.05)	-0.05(1.07)	-0.03(1.02)	-0.11(1.08)