

ANNEX C – STANDARD ERRORS OF MEANS, SAMPLE SIZES, SCHOOL VARIANCE ESTIMATES, AND OTHER SAMPLING OUTCOMES

[Part 1/2]

Table C.1 Standard errors of the student performance mean estimate by country, by domain and cycle

	PISA 2000			PISA 2003			PISA 2006		
	Reading	Mathematics	Science	Reading	Mathematics	Science	Reading	Mathematics	Science
OECD									
Australia	3.52	3.49	3.47	2.13	2.15	2.10	2.06	2.24	2.26
Austria	2.69	2.66	2.75	3.76	3.27	3.44	4.08	3.74	3.92
Belgium	3.56	3.90	4.29	2.58	2.29	2.48	3.04	2.95	2.48
Canada	1.56	1.40	1.57	1.75	1.82	2.02	2.44	1.97	2.03
Chile	3.59	3.68	3.44				4.99	4.58	4.32
Czech Republic	2.37	2.78	2.43	3.46	3.55	3.38	4.18	3.55	3.48
Denmark	2.35	2.44	2.81	2.82	2.74	2.97	3.18	2.62	3.11
Estonia							2.93	2.75	2.52
Finland	2.58	2.15	2.48	1.64	1.87	1.92	2.15	2.30	2.02
France	2.73	2.71	3.18	2.68	2.50	2.99	4.06	3.17	3.36
Germany	2.47	2.52	2.43	3.39	3.32	3.64	4.41	3.87	3.80
Greece	4.97	5.58	4.89	4.10	3.90	3.82	4.04	2.97	3.23
Hungary	3.95	4.01	4.17	2.47	2.84	2.77	3.28	2.89	2.68
Iceland	1.45	2.25	2.17	1.56	1.42	1.47	1.95	1.81	1.64
Ireland	3.24	2.72	3.18	2.63	2.45	2.69	3.54	2.79	3.19
Israel	8.47	9.31	9.01				4.58	4.35	3.71
Italy	2.91	2.93	3.05	3.04	3.08	3.13	2.43	2.28	2.02
Japan	5.21	5.49	5.48	3.92	4.02	4.14	3.65	3.34	3.37
Korea	2.42	2.76	2.69	3.09	3.24	3.54	3.81	3.76	3.36
Luxembourg	1.59	1.99	2.32	1.48	0.97	1.50	1.28	1.07	1.05
Mexico	3.31	3.36	3.18	4.09	3.64	3.49	3.06	2.93	2.71
Netherlands	3.35	3.61	4.01	2.85	3.13	3.15	2.92	2.59	2.74
New Zealand	2.78	3.14	2.40	2.46	2.26	2.35	2.99	2.39	2.69
Norway	2.80	2.77	2.75	2.78	2.38	2.87	3.18	2.64	3.11
Poland	4.46	5.48	5.12	2.88	2.50	2.86	2.79	2.44	2.34
Portugal	4.52	4.08	4.00	3.73	3.40	3.46	3.56	3.07	3.02
Slovak Republic				3.12	3.35	3.71	3.06	2.82	2.59
Slovenia							0.99	1.04	1.11
Spain	2.71	3.12	2.95	2.60	2.41	2.61	2.23	2.33	2.57
Sweden	2.20	2.46	2.51	2.42	2.56	2.72	3.44	2.41	2.37
Switzerland	4.25	4.38	4.44	3.28	3.38	3.69	3.06	3.15	3.16
Turkey				5.79	6.74	5.89	4.21	4.90	3.84
United Kingdom	2.56	2.50	2.69	2.46	2.43	2.52	2.26	2.14	2.29
United States	7.05	7.64	7.31	3.22	2.95	3.08		4.02	4.22
Partners									
Albania	3.29	3.08	2.89						
Argentina	9.86	9.38	8.56				7.17	6.24	6.08
Azerbaijan							3.12	2.26	2.75
Brazil	3.10	3.71	3.26	4.58	4.83	4.35	3.74	2.93	2.79
Bulgaria	4.89	5.67	4.58				6.91	6.13	6.11
Colombia							5.08	3.78	3.37
Costa Rica									
Croatia							2.81	2.37	2.45
Cyprus ^{1,2}									
Georgia									
Himachal Pradesh-India									
Hong Kong-China	2.93	3.26	3.01	3.69	4.54	4.26	2.42	2.67	2.47
Indonesia	3.99	4.54	3.94	3.38	3.91	3.21	5.92	5.63	5.73
Jordan							3.27	3.30	2.84
Kazakhstan									
Kyrgyzstan							3.48	3.41	2.93
Latvia	5.27	4.46	5.62	3.67	3.69	3.89	3.73	3.03	2.97
Liechtenstein	4.12	6.99	7.09	3.58	4.12	4.33	3.91	4.21	4.10
Lithuania							2.98	2.93	2.76
Macao-China				2.16	2.89	3.03	1.10	1.30	1.06
Macedonia	1.93	2.68	2.10						
Malaysia									
Malta									
Mauritius									
Miranda-Venezuela									
Moldova									
Montenegro							1.22	1.37	1.06
Panama									
Peru	4.42	4.41	3.98						
Qatar							1.20	1.02	0.86
Romania	3.47	4.25	3.37				4.69	4.21	4.20
Russian Federation	4.16	5.46	4.74	3.94	4.20	4.14	4.32	3.87	3.67
Serbia				3.56	3.75	3.50	3.46	3.51	3.04
Shanghai-China									
Singapore									
Chinese Taipei							3.38	4.10	3.57
Tamil Nadu-India									
Thailand	3.24	3.60	3.06	2.81	3.00	2.70	2.59	2.34	2.14
Trinidad and Tobago									
Tunisia				2.81	2.54	2.56	4.02	3.96	2.96
United Arab Emirates									
Uruguay				3.43	3.29	2.90	3.43	2.61	2.75
Viet Nam									
<i>Central tendency indices on 35 countries that participated in the five surveys</i>									
Median	3.10	3.26	3.18	2.88	3.00	3.08	3.18	2.89	2.79
Mean	3.32	3.61	3.58	3.00	2.99	3.08	3.23	2.92	2.92

1. Footnote by Turkey: The information in this document with reference to "Cyprus" relates to the southern part of the Island. There is no single authority representing both Turkish and Greek Cypriot people on the Island. Turkey recognises the Turkish Republic of Northern Cyprus (TRNC). Until a lasting and equitable solution is found within the context of the United Nations, Turkey shall preserve its position concerning the "Cyprus issue".

2. Footnote by all the European Union Member States of the OECD and the European Union: The Republic of Cyprus is recognised by all members of the United Nations with the exception of Turkey. The information in this document relates to the area under the effective control of the Government of the Republic of Cyprus.



[Part 2/2]

Table C.1 Standard errors of the student performance mean estimate by country, by domain and cycle

	PISA 2009			PISA 2012		
	Reading	Mathematics	Science	Reading	Mathematics	Science
OECD						
Australia	2.34	2.53	2.53	1.58	1.64	1.76
Austria	2.95	2.66	3.24	2.76	2.67	2.70
Belgium	2.35	2.25	2.52	2.25	2.14	2.18
Canada	1.48	1.61	1.62	1.93	1.84	1.93
Chile	3.13	3.06	2.92	2.90	3.07	2.86
Czech Republic	2.89	2.83	2.97	2.87	2.85	2.96
Denmark	2.07	2.60	2.48	2.65	2.29	2.74
Estonia	2.64	2.57	2.67	2.03	2.02	1.95
Finland	2.25	2.17	2.34	2.38	1.94	2.20
France	3.44	3.09	3.60	2.83	2.45	2.58
Germany	2.66	2.86	2.80	2.82	2.88	2.96
Greece	4.32	3.88	4.04	3.27	2.50	3.12
Hungary	3.17	3.45	3.14	3.16	3.19	2.95
Iceland	1.41	1.39	1.41	1.80	1.70	2.12
Ireland	2.97	2.54	3.27	2.55	2.25	2.45
Israel	3.63	3.28	3.11	5.01	4.68	4.96
Italy	1.57	1.86	1.77	1.97	2.03	1.94
Japan	3.47	3.33	3.41	3.67	3.59	3.60
Korea	3.46	4.02	3.44	3.94	4.58	3.66
Luxembourg	1.25	1.18	1.23	1.54	1.09	1.30
Mexico	1.95	1.83	1.79	1.51	1.35	1.31
Netherlands	5.15	4.75	5.42	3.47	3.47	3.51
New Zealand	2.35	2.31	2.58	2.40	2.21	2.14
Norway	2.58	2.40	2.60	3.22	2.73	3.09
Poland	2.60	2.84	2.41	3.14	3.62	3.12
Portugal	3.07	2.91	2.90	3.75	3.81	3.75
Slovak Republic	2.54	3.08	2.99	4.17	3.43	3.61
Slovenia	1.03	1.23	1.15	1.22	1.23	1.29
Spain	2.02	2.11	2.05	1.91	1.90	1.83
Sweden	2.88	2.90	2.72	3.00	2.26	3.00
Switzerland	2.44	3.30	2.82	2.57	3.04	2.71
Turkey	3.52	4.44	3.60	4.21	4.83	3.89
United Kingdom	2.28	2.42	2.52	3.50	3.30	3.38
United States	3.65	3.57	3.64	3.74	3.60	3.78
Partners						
Albania	4.04	3.98	3.94	3.20	2.00	2.44
Argentina	4.63	4.09	4.58	3.70	3.53	3.88
Azerbaijan	3.33	2.76	3.05			
Brazil	2.73	2.39	2.43	2.11	2.06	2.14
Bulgaria	6.68	5.86	5.86	6.02	3.99	4.78
Colombia	3.74	3.24	3.63	3.45	2.89	3.05
Costa Rica	3.17	2.98	2.76	3.50	3.04	2.94
Croatia	2.87	3.09	2.83	3.31	3.54	3.10
Cyprus ^{1,2}				1.18	1.07	1.18
Georgia	2.89	2.79	2.92			
Himachal Pradesh-India	3.99	4.19	4.18			
Hong Kong-China	2.12	2.73	2.75	2.79	3.22	2.61
Indonesia	3.74	3.72	3.78	4.21	4.04	3.82
Jordan	3.31	3.71	3.54	3.56	3.12	3.12
Kazakhstan	3.07	3.04	3.13	2.69	3.03	2.97
Kyrgyzstan	3.19	2.87	2.92			
Latvia	2.96	3.07	3.07	2.39	2.75	2.75
Liechtenstein	2.80	4.06	3.42	4.10	3.95	3.55
Lithuania	2.39	2.62	2.93	2.48	2.64	2.55
Macao-China	0.89	0.92	1.03	0.91	0.96	0.85
Macedonia						
Malaysia	2.86	2.71	2.68	3.33	3.18	3.00
Malta	1.58	1.43	1.72			
Mauritius	1.09	0.97	1.12			
Miranda-Venezuela	5.28	4.31	4.90			
Moldova	2.83	3.13	3.01			
Montenegro	1.72	2.03	2.03	1.18	1.05	1.07
Panama	6.54	5.25	5.74			
Peru	3.95	4.00	3.49	4.34	3.69	3.58
Qatar	0.76	0.70	0.89	0.82	0.76	0.75
Romania	4.09	3.41	3.36	3.98	3.76	3.25
Russian Federation	3.34	3.29	3.30	2.97	3.04	2.85
Serbia	2.43	2.92	2.37	3.44	3.39	3.40
Shanghai-China	2.40	2.82	2.30	2.86	3.29	3.03
Singapore	1.06	1.44	1.36	1.37	1.32	1.51
Chinese Taipei	2.60	3.40	2.63	3.03	3.30	2.33
Tamil Nadu-India	5.54	5.11	4.22			
Thailand	2.64	3.23	2.98	3.08	3.45	2.93
Trinidad and Tobago	1.24	1.28	1.24			
Tunisia	2.88	2.98	2.69	4.51	3.91	3.46
United Arab Emirates	2.86	2.46	2.62	2.50	2.43	2.81
Uruguay	2.60	2.59	2.57	3.16	2.76	2.77
Viet Nam				4.40	4.84	4.31
	<i>Central tendency indices on 35 countries that participated in the five surveys</i>					
Median	2.66	2.83	2.80	2.82	2.73	2.75
Mean	2.72	2.80	2.83	2.79	2.73	2.73

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[Part 1/2]

Table C.2 Sample sizes by country and cycle

	PISA 2000			PISA 2003			PISA 2006		
	School sample size	Overall student sample size	Average within-school sample size	School sample size	Overall student sample size	Average within-school sample size	School sample size	Overall student sample size	Average within-school sample size
OECD									
Australia	231	5 176	22.4	321	12 551	39.1	356	14 170	39.8
Austria	213	4 745	22.3	193	4 597	23.8	199	4 927	24.8
Belgium	216	6 670	30.9	277	8 796	31.8	269	8 857	32.9
Canada	1 117	29 687	26.6	1 087	27 953	25.7	896	22 646	25.3
Chile	179	4 889	27.3				173	5 233	30.2
Czech Republic	229	5 365	23.4	260	6 320	24.3	245	5 932	24.2
Denmark	225	4 235	18.8	206	4 218	20.5	211	4 532	21.5
Estonia							169	4 865	28.8
Finland	155	4 864	31.4	197	5 796	29.4	155	4 714	30.4
France	177	4 673	26.4	170	4 300	25.3	182	4 716	25.9
Germany	219	5 073	23.2	216	4 660	21.6	226	4 891	21.6
Greece	157	4 672	29.8	171	4 627	27.1	190	4 873	25.6
Hungary	194	4 887	25.2	253	4 765	18.8	189	4 490	23.8
Iceland	130	3 372	25.9	129	3 350	26.0	139	3 789	27.3
Ireland	139	3 854	27.7	145	3 880	26.8	165	4 585	27.8
Israel	165	4 498	27.3				149	4 584	30.8
Italy	172	4 984	29.0	406	11 639	28.7	799	21 773	27.3
Japan	135	5 256	38.9	144	4 707	32.7	185	5 952	32.2
Korea	146	4 982	34.1	149	5 444	36.5	154	5 176	33.6
Luxembourg	24	3 528	147.0	29	3 923	135.3	31	4 567	147.3
Mexico	183	4 600	25.1	1 124	29 983	26.7	1 140	30 971	27.2
Netherlands	100	2 503	25.0	154	3 992	25.9	185	4 871	26.3
New Zealand	153	3 667	24.0	173	4 511	26.1	170	4 823	28.4
Norway	176	4 147	23.6	182	4 064	22.3	203	4 692	23.1
Poland	127	3 654	28.8	166	4 383	26.4	221	5 547	25.1
Portugal	149	4 585	30.8	153	4 608	30.1	173	5 109	29.5
Slovak Republic				281	7 346	26.1	189	4 731	25.0
Slovenia							361	6 595	18.3
Spain	185	6 214	33.6	383	10 791	28.2	686	19 604	28.6
Sweden	154	4 416	28.7	185	4 624	25.0	197	4 443	22.6
Switzerland	282	6 100	21.6	445	8 420	18.9	510	12 192	23.9
Turkey				159	4 855	30.5	160	4 942	30.9
United Kingdom	362	9 340	25.8	383	9 535	24.9	502	13 152	26.2
United States	153	3 846	25.1	274	5 456	19.9	166	5 611	33.8
Partners									
Albania	174	4 980	28.6				176	4 339	24.7
Argentina	156	3 983	25.5				171	5 184	30.3
Azerbaijan							625	9 295	14.9
Brazil	324	4 893	15.1	228	4 452	19.5	180	4 498	25.0
Bulgaria	160	4 657	29.1				165	4 478	27.1
Colombia									
Costa Rica							161	5 213	32.4
Croatia									
Cyprus ^{1,2}									
Georgia									
Himachal Pradesh-India									
Hong Kong-China	140	4 405	31.5	145	4 478	30.9	146	4 645	31.8
Indonesia	290	7 368	25.4	346	10 761	31.1	352	10 647	30.2
Jordan							210	6 509	31.0
Kazakhstan									
Kyrgyzstan							201	5 904	29.4
Latvia	154	3 893	25.3	157	4 627	29.5	176	4 719	26.8
Liechtenstein	11	314	28.5	12	332	27.7	12	339	28.3
Lithuania							197	4 744	24.1
Macao-China				39	1 250	32.1	43	4 760	110.7
Macedonia	91	4 510	49.6						
Malaysia									
Malta									
Mauritius									
Miranda-Venezuela									
Moldova									
Montenegro							51	4 455	87.4
Panama									
Peru	177	4 429	25.0						
Qatar							131	6 265	47.8
Romania	177	4 829	27.3				174	5 118	29.4
Russian Federation	246	6 701	27.2	212	5 974	28.2	209	5 799	27.7
Serbia				149	4 405	29.6	162	4 798	29.6
Shanghai-China									
Singapore									
Chinese Taipei							236	8 815	37.4
Tamil Nadu-India									
Thailand	179	5 340	29.8	179	5 236	29.3	212	6 192	29.2
Trinidad and Tobago									
Tunisia				149	4 721	31.7	152	4 640	30.5
United Arab Emirates									
Uruguay				243	5 835	24.0	278	4 839	17.4
Viet Nam									
<i>Central tendency indices on 35 countries that participated in the five surveys</i>									
Median		26.4				26.7			27.3
Mean		30.2				29.8			30.7

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[Part 2/2]

Table C.2 Sample sizes by country and cycle

	PISA 2009			PISA 2012		
	School sample size	Overall student sample size	Average within-school sample size	School sample size	Overall student sample size	Average within-school sample size
OECD						
Australia	353	14 251	40.4	775	17 774	22.9
Austria	282	6 590	23.4	191	4 756	24.9
Belgium	278	8 501	30.6	287	9 690	33.8
Canada	978	23 207	23.7	885	21 548	24.3
Chile	200	5 669	28.3	221	6 857	31.0
Czech Republic	261	6 064	23.2	297	6 535	22.0
Denmark	285	5 924	20.8	341	7 481	21.9
Estonia	175	4 727	27.0	206	5 867	28.5
Finland	203	5 810	28.6	311	8 829	28.4
France	168	4 298	25.6	226	5 682	25.1
Germany	226	4 979	22.0	230	5 001	21.7
Greece	184	4 969	27.0	188	5 125	27.3
Hungary	187	4 605	24.6	204	4 810	23.6
Iceland	131	3 646	27.8	134	3 508	26.2
Ireland	144	3 937	27.3	183	5 016	27.4
Israel	176	5 761	32.7	172	6 061	35.2
Italy	1 097	30 905	28.2	1 194	38 142	31.9
Japan	186	6 088	32.7	191	6 351	33.3
Korea	157	4 989	31.8	156	5 033	32.3
Luxembourg	39	4 622	118.5	42	5 260	125.2
Mexico	1 535	38 250	24.9	1 471	33 806	23.0
Netherlands	186	4 760	25.6	179	4 460	24.9
New Zealand	163	4 643	28.5	177	5 248	29.6
Norway	197	4 660	23.7	197	4 686	23.8
Poland	185	4 917	26.6	184	5 662	30.8
Portugal	214	6 298	29.4	195	5 722	29.3
Slovak Republic	189	4 555	24.1	231	5 737	24.8
Slovenia	341	6 155	18.0	338	7 229	21.4
Spain	889	25 887	29.1	902	25 335	28.1
Sweden	189	4 567	24.2	209	4 739	22.7
Switzerland	426	11 812	27.7	411	11 234	27.3
Turkey	170	4 996	29.4	170	4 848	28.5
United Kingdom	482	12 179	25.3	507	12 659	25.0
United States	165	5 233	31.7	162	6 111	37.7
Partners						
Albania	181	4 596	25.4	204	4 743	23.3
Argentina	199	4 774	24.0	226	5 908	26.1
Azerbaijan	162	4 691	29.0			
Brazil	947	20 127	21.3	839	20 091	23.9
Bulgaria	178	4 507	25.3	188	5 282	28.1
Colombia	275	7 921	28.8	352	11 173	31.7
Costa Rica	181	4 578	25.3	193	4 602	23.8
Croatia	158	4 994	31.6	163	6 153	37.7
Cyprus ^{1,2}				117	5 078	43.4
Georgia	226	4 646	20.6			
Himachal Pradesh-India	66	1 616	24.5			
Hong Kong-China	151	4 837	32.0	148	4 670	31.6
Indonesia	183	5 136	28.1	209	5 622	26.9
Jordan	210	6 486	30.9	233	7 038	30.2
Kazakhstan	199	5 412	27.2	218	5 808	26.6
Kyrgyzstan	173	4 986	28.8			
Latvia	184	4 502	24.5	211	5 276	25.0
Liechtenstein	12	329	27.4	12	293	24.4
Lithuania	196	4 528	23.1	216	4 618	21.4
Macao-China	45	5 952	132.3	45	5 335	118.6
Macedonia						
Malaysia	152	4 999	32.9	164	5 197	31.7
Malta	53	3 453	65.2			
Mauritius	185	4 654	25.2			
Miranda-Venezuela	121	2 901	24.0			
Moldova	186	5 194	27.9			
Montenegro	52	4 825	92.8	51	4 744	93.0
Panama	188	3 969	21.1			
Peru	240	5 985	24.9	240	6 035	25.1
Qatar	153	9 078	59.3	157	10 966	69.8
Romania	159	4 776	30.0	178	5 074	28.5
Russian Federation	213	5 308	24.9	227	6 418	28.3
Serbia	190	5 523	29.1	153	4 684	30.6
Shanghai-China	152	5 115	33.7	155	6 374	41.1
Singapore	171	5 283	30.9	172	5 546	32.2
Chinese Taipei	158	5 831	36.9	163	6 046	37.1
Tamil Nadu-India	147	3 210	21.8			
Thailand	230	6 225	27.1	239	6 606	27.6
Trinidad and Tobago	158	4 778	30.2			
Tunisia	165	4 955	30.0	153	4 407	28.8
United Arab Emirates	369	10 867	29.4	458	11 500	25.1
Uruguay	232	5 957	25.7	180	5 315	29.5
Viet Nam				162	4 959	30.6
	<i>Central tendency indices on 35 countries that participated in the five surveys</i>					
Median			27.1			26.9
Mean			29.7			29.8

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[Part 1/2]

Table C.3 School variance estimate by country, by domain and cycle

	PISA 2000			PISA 2003			PISA 2006		
	Reading	Mathematics	Science	Reading	Mathematics	Science	Reading	Mathematics	Science
OECD									
Australia	1 888	1 405	1 500	2 009	1 927	2 079	1 878	1 694	1 839
Austria	6 417	5 173	5 241	7 566	5 250	5 823	6 861	5 785	5 464
Belgium	7 025	6 291	6 939	7 186	7 240	5 983	6 593	5 814	5 182
Canada	1 588	1 255	1 279	1 199	1 270	1 492	2 163	1 547	1 668
Chile	4 968	4 208	3 702				6 011	4 800	4 740
Czech Republic	4 814	4 055	3 612	4 507	4 942	4 388	7 325	6 451	5 617
Denmark	1 876	1 363	1 760	1 437	1 147	1 308	1 593	1 281	1 393
Estonia							2 217	1 594	1 437
Finland	1 009	410	448	257	343	361	643	489	433
France	4 243	3 704	5 006	4 245	3 830	5 803	6 090	5 049	5 488
Germany	6 903	5 653	5 191	7 001	6 101	7 036	9 733	6 183	5 944
Greece	5 060	5 576	3 786	3 976	3 357	2 723	5 493	3 877	4 369
Hungary	6 408	5 236	5 731	4 919	5 710	5 424	7 164	6 181	5 453
Iceland	696	430	572	382	319	365	1 220	725	898
Ireland	1 566	816	1 242	1 712	1 218	1 408	2 010	1 310	1 539
Israel	5 109	5 673	4 953				5 641	4 668	3 926
Italy	4 844	3 578	4 188	5 009	4 915	5 701	6 210	4 951	4 758
Japan	3 377	3 727	3 646	4 998	5 400	5 543	5 459	4 474	4 867
Korea	1 840	2 889	2 574	2 475	3 607	3 870	3 205	3 494	2 869
Luxembourg	3 069	2 056	2 474	2 656	2 673	3 018	2 817	2 777	2 738
Mexico	3 969	3 467	2 429	2 818	2 496	1 934	3 296	2 580	2 293
Netherlands	3 984	3 873	4 262	4 316	5 508	5 743	5 567	4 880	5 359
New Zealand	1 892	1 702	1 732	1 916	1 781	1 922	2 108	1 406	1 930
Norway	1 111	726	845	819	578	846	1 385	942	964
Poland	6 127	5 483	4 684	1 351	1 035	1 489	1 580	1 121	1 108
Portugal	3 457	2 492	2 427	3 315	2 620	2 733	3 449	2 746	2 502
Slovak Republic				3 538	3 794	4 560	5 567	4 541	3 690
Slovenia							6 634	4 674	5 811
Spain	1 473	1 445	1 595	1 700	1 489	1 677	1 271	1 240	1 151
Sweden	793	691	679	873	970	1 046	1 694	1 215	1 091
Switzerland	4 421	3 970	4 024	2 608	3 165	3 314	3 101	3 283	3 375
Turkey				4 772	5 915	4 732	4 047	4 557	3 653
United Kingdom	2 114	1 865	2 195	1 857	1 892	2 089	2 234	1 726	2 200
United States	3 236	3 127	3 637	2 481	2 345	2 270		2 201	2 626
Partners									
Albania	4 046	3 355	2 521				6 881	5 072	4 794
Argentina	5 920	6 282	4 897				2 359	1 655	1 612
Azerbaijan									
Brazil	3 379	3 548	2 453	3 416	4 159	3 182	4 555	4 342	3 711
Bulgaria	6 162	5 732	3 781				7 870	5 199	6 226
Colombia							3 466	2 973	2 244
Costa Rica									
Croatia							3 794	2 721	3 036
Cyprus ^{1,2}									
Georgia									
Himachal Pradesh-India									
Hong Kong-China	3 318	3 955	3 198	2 949	4 573	3 915	2 605	3 420	3 072
Indonesia	2 019	2 253	1 704	1 991	2 720	1 605	2 422	2 746	1 745
Jordan							2 629	1 660	1 792
Kazakhstan									
Kyrgyzstan							4 334	3 159	2 763
Latvia	3 305	2 836	2 775	1 666	1 761	1 778	2 183	1 537	1 316
Liechtenstein	3 456	3 395	3 171	2 998	3 461	3 510	3 452	2 921	3 176
Lithuania							2 671	2 687	2 308
Macao-China				1 105	1 455	1 356	1 708	1 733	1 739
Macedonia	3 994	3 019	2 350						
Malaysia									
Malta									
Mauritius									
Miranda-Venezuela									
Moldova									
Montenegro							2 715	1 752	1 812
Panama									
Peru	5 992	4 842	2 504						
Qatar							7 141	5 015	4 240
Romania	5 139	5 361	3 235				4 658	3 614	3 182
Russian Federation	3 079	3 896	3 034	2 034	2 558	2 086	3 121	2 325	2 166
Serbia				2 305	2 566	1 978	3 941	3 723	3 086
Shanghai-China									
Singapore									
Chinese Taipei							3 194	5 020	4 120
Tamil Nadu-India									
Thailand	1 848	2 324	1 789	2 120	2 602	2 176	2 863	2 480	2 294
Trinidad and Tobago									
Tunisia				3 024	2 807	2 549	4 636	4 003	2 904
United Arab Emirates									
Uruguay				5 553	4 618	4 108	6 018	3 926	3 525
Viet Nam									
	<i>Central tendency indices on 35 countries that participated in the five surveys</i>								
Median	3 305	3 127	2 574	2 481	2 620	2 270	2 982	2 746	2 502
Mean	3 303	2 990	2 909	2 936	2 999	3 018	3 628	3 006	2 931

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[Part 2/2]

Table C.3 School variance estimate by country, by domain and cycle

	PISA 2009			PISA 2012		
	Reading	Mathematics	Science	Reading	Mathematics	Science
OECD						
Australia	2 102	2 031	2 243	2 648	2 616	2 522
Austria	5 886	5 143	5 905	4 876	5 046	4 838
Belgium	6 358	6 769	7 501	6 276	6 004	5 653
Canada	1 541	1 602	1 492	1 635	1 518	1 500
Chile	3 862	3 485	3 148	4 138	4 382	4 000
Czech Republic	5 175	5 596	6 359	4 481	5 536	4 500
Denmark	1 114	1 319	1 499	1 603	1 252	1 668
Estonia	1 547	1 399	1 420	1 506	1 261	1 299
Finland	550	554	597	1 205	935	1 086
France	6 455	5 599	5 906	7 189	5 577	5 787
Germany	5 867	6 255	6 659	5 298	5 351	5 281
Greece	3 812	2 663	3 296	5 099	3 206	3 452
Hungary	6 303	6 022	5 293	6 036	5 997	4 992
Iceland	1 380	1 592	1 655	1 412	1 074	1 157
Ireland	2 256	1 590	2 124	1 778	1 362	1 627
Israel	6 130	4 919	4 781	6 021	4 757	5 140
Italy	5 055	4 245	4 582	5 566	4 585	4 527
Japan	5 093	5 090	4 911	4 615	4 841	4 169
Korea	2 052	2 989	2 184	2 736	3 831	2 418
Luxembourg	3 585	3 138	4 095	3 305	2 938	3 322
Mexico	3 002	2 481	2 266	2 588	2 010	1 871
Netherlands	4 698	4 911	5 770	5 794	5 655	5 714
New Zealand	2 200	2 101	2 537	2 904	2 494	2 854
Norway	874	802	923	1 567	1 229	1 582
Poland	1 309	1 335	1 105	2 041	2 105	1 692
Portugal	2 416	2 674	1 982	2 787	2 841	2 561
Slovak Republic	3 557	4 288	4 541	6 559	4 496	5 396
Slovenia	5 306	4 834	5 169	5 836	4 903	5 161
Spain	1 445	1 543	1 415	1 454	1 299	1 203
Sweden	1 514	1 576	1 594	2 282	1 267	1 824
Switzerland	2 624	3 158	3 084	2 704	2 867	2 724
Turkey	4 118	5 876	4 049	4 570	5 126	3 763
United Kingdom	1 796	1 804	2 177	2 117	1 983	2 259
United States	2 235	2 458	2 606	2 247	1 971	2 276
Partners						
Albania	2 856	2 754	2 355	923	451	625
Argentina	6 532	4 863	5 954	4 775	3 164	4 225
Azerbaijan	2 533	1 960	2 289			
Brazil	3 315	2 720	2 795	3 269	2 753	2 752
Bulgaria	8 333	5 725	6 753	9 527	4 957	6 326
Colombia	2 706	2 107	2 376	2 721	2 077	2 034
Costa Rica	2 391	1 944	1 986	2 062	1 810	1 871
Croatia	3 418	3 014	2 911	3 733	3 296	2 740
Cyprus ^{1, 2}				4 871	3 318	3 568
Georgia	2 184	2 017	1 795			
Himachal Pradesh-India	1 967	1 986	2 418			
Hong Kong-China	2 944	3 753	3 073	3 114	4 064	2 719
Indonesia	2 070	2 364	2 097	2 663	2 333	2 061
Jordan	2 809	2 594	2 493	3 485	1 977	2 390
Kazakhstan	3 159	2 909	2 784	2 081	1 974	2 045
Kyrgyzstan	4 108	2 901	3 302			
Latvia	1 499	1 553	1 574	2 214	1 792	1 665
Liechtenstein	2 641	2 212	2 292	3 084	3 820	2 465
Lithuania	2 360	2 452	2 228	2 968	2 667	2 564
Macao-China	2 089	1 983	1 804	2 896	3 562	2 385
Macedonia						
Malaysia	1 708	1 579	1 539	1 714	2 090	1 615
Malta	8 366	5 811	7 233			
Mauritius	6 707	4 966	5 278			
Miranda-Venezuela	5 058	3 665	4 644			
Moldova	2 455	2 633	2 422			
Montenegro	2 833	2 262	2 112	3 440	2 267	2 171
Panama	5 319	3 621	4 515			
Peru	5 149	4 166	3 787	4 320	3 272	2 759
Qatar	7 276	5 374	5 659	6 304	4 679	5 263
Romania	4 673	2 846	2 920	4 227	3 305	3 091
Russian Federation	2 224	2 129	2 080	2 657	2 161	2 122
Serbia	2 914	3 284	2 676	4 044	3 853	3 241
Shanghai-China	2 830	5 033	2 857	2 988	4 760	3 064
Singapore	3 239	3 726	3 866	3 496	3 853	3 853
Chinese Taipei	2 627	4 579	2 751	3 427	5 868	3 063
Tamil Nadu-India	2 389	1 794	1 462			
Thailand	2 162	2 769	2 264	2 826	3 758	2 680
Trinidad and Tobago	8 353	6 489	7 157			
Tunisia	3 117	2 857	2 746	3 952	3 008	2 675
United Arab Emirates	5 135	3 979	4 361	4 974	3 852	4 095
Uruguay	4 153	3 428	3 899	4 268	3 518	3 763
Viet Nam				3 286	4 063	3 096
	<i>Central tendency indices on 35 countries that participated in the five surveys</i>					
Median	2 256	2 481	2 266	2 736	2 753	2 522
Mean	3 016	2 987	3 084	3 259	3 088	2 901

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[Part 1/2]

Table C.4 Intra-class correlation by country, by domain and cycle

	PISA 2000			PISA 2003			PISA 2006		
	Reading	Mathematics	Science	Reading	Mathematics	Science	Reading	Mathematics	Science
OECD									
Australia	0.18	0.17	0.17	0.21	0.21	0.20	0.21	0.22	0.18
Austria	0.60	0.53	0.55	0.62	0.55	0.57	0.56	0.56	0.55
Belgium	0.60	0.55	0.55	0.56	0.56	0.50	0.54	0.53	0.52
Canada	0.18	0.18	0.16	0.15	0.17	0.15	0.23	0.21	0.19
Chile	0.56	0.45	0.40				0.49	0.56	0.50
Czech Republic	0.53	0.44	0.41	0.49	0.51	0.42	0.56	0.55	0.53
Denmark	0.19	0.18	0.16	0.18	0.14	0.13	0.20	0.17	0.16
Estonia							0.31	0.25	0.21
Finland	0.12	0.06	0.06	0.04	0.05	0.04	0.10	0.07	0.06
France	0.50	0.46	0.48	0.45	0.46	0.47	0.57	0.56	0.54
Germany	0.59	0.55	0.50	0.58	0.58	0.56	0.67	0.61	0.57
Greece	0.51	0.46	0.40	0.35	0.36	0.27	0.49	0.42	0.47
Hungary	0.67	0.53	0.53	0.53	0.58	0.51	0.68	0.65	0.61
Iceland	0.08	0.06	0.07	0.04	0.04	0.04	0.13	0.09	0.09
Ireland	0.18	0.12	0.15	0.22	0.17	0.16	0.23	0.19	0.17
Israel	0.43	0.34	0.32				0.38	0.40	0.31
Italy	0.55	0.42	0.42	0.49	0.52	0.48	0.52	0.52	0.50
Japan	0.46	0.49	0.44	0.44	0.53	0.46	0.50	0.53	0.47
Korea	0.37	0.40	0.39	0.36	0.42	0.38	0.40	0.40	0.35
Luxembourg	0.31	0.24	0.27	0.27	0.31	0.28	0.29	0.32	0.30
Mexico	0.53	0.50	0.41	0.36	0.39	0.28	0.41	0.42	0.40
Netherlands	0.50	0.51	0.46	0.58	0.62	0.57	0.62	0.63	0.60
New Zealand	0.16	0.17	0.17	0.17	0.18	0.18	0.19	0.16	0.17
Norway	0.10	0.09	0.09	0.08	0.07	0.08	0.13	0.11	0.11
Poland	0.62	0.55	0.50	0.15	0.13	0.14	0.16	0.15	0.14
Portugal	0.37	0.30	0.31	0.38	0.34	0.31	0.36	0.33	0.32
Slovak Republic				0.41	0.43	0.43	0.50	0.49	0.42
Slovenia							0.73	0.60	0.60
Spain	0.20	0.18	0.17	0.19	0.20	0.17	0.17	0.16	0.15
Sweden	0.09	0.08	0.08	0.10	0.11	0.09	0.17	0.15	0.12
Switzerland	0.43	0.40	0.42	0.30	0.34	0.30	0.37	0.36	0.36
Turkey				0.53	0.55	0.53	0.48	0.53	0.53
United Kingdom	0.22	0.23	0.24	0.22	0.23	0.20	0.22	0.23	0.20
United States	0.29	0.33	0.35	0.24	0.26	0.22		0.28	0.24
Partners									
Albania	0.41	0.29	0.28						
Argentina	0.51	0.43	0.41				0.45	0.51	0.48
Azerbaijan							0.46	0.57	0.50
Brazil	0.44	0.36	0.30	0.28	0.45	0.34	0.46	0.53	0.47
Bulgaria	0.56	0.46	0.40				0.56	0.51	0.54
Colombia							0.30	0.37	0.30
Costa Rica									
Croatia							0.47	0.38	0.40
Cyprus ^{1,2}									
Georgia									
Himachal Pradesh-India									
Hong Kong-China	0.47	0.45	0.45	0.42	0.47	0.45	0.39	0.40	0.37
Indonesia	0.43	0.34	0.33	0.36	0.44	0.37	0.50	0.50	0.43
Jordan							0.31	0.25	0.23
Kazakhstan									
Kyrgyzstan							0.41	0.42	0.39
Latvia	0.31	0.26	0.29	0.20	0.23	0.20	0.26	0.22	0.19
Liechtenstein	0.45	0.43	0.41	0.43	0.43	0.40	0.46	0.41	0.43
Lithuania							0.29	0.32	0.28
Macao-China				0.23	0.19	0.17	0.27	0.23	0.26
Macedonia	0.45	0.31	0.34						
Malaysia									
Malta									
Mauritius									
Miranda-Venezuela									
Moldova									
Montenegro							0.33	0.25	0.28
Panama									
Peru	0.58	0.39	0.30						
Qatar							0.54	0.53	0.53
Romania	0.48	0.40	0.35				0.54	0.52	0.49
Russian Federation	0.37	0.36	0.31	0.23	0.30	0.21	0.35	0.28	0.27
Serbia				0.34	0.35	0.29	0.45	0.42	0.41
Shanghai-China									
Singapore									
Chinese Taipei							0.46	0.49	0.47
Tamil Nadu-India									
Thailand	0.31	0.33	0.30	0.34	0.37	0.32	0.42	0.36	0.37
Trinidad and Tobago									
Tunisia				0.33	0.42	0.33	0.47	0.48	0.42
United Arab Emirates									
Uruguay				0.36	0.44	0.33	0.41	0.40	0.40
Viet Nam									
	<i>Central tendency indices on 35 countries that participated in the five surveys</i>								
Median	0.37	0.36	0.33	0.30	0.34	0.28	0.38	0.36	0.35
Mean	0.37	0.34	0.32	0.31	0.33	0.30	0.37	0.35	0.33

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[Part 2/2]

Table C.4 Intra-class correlation by country, by domain and cycle

	PISA 2009			PISA 2012		
	Reading	Mathematics	Science	Reading	Mathematics	Science
OECD						
Australia	0.22	0.23	0.22	0.28	0.28	0.25
Austria	0.57	0.55	0.54	0.56	0.54	0.53
Belgium	0.57	0.58	0.60	0.57	0.54	0.52
Canada	0.19	0.21	0.19	0.19	0.20	0.18
Chile	0.50	0.50	0.44	0.56	0.55	0.52
Czech Republic	0.54	0.57	0.57	0.53	0.56	0.51
Denmark	0.16	0.17	0.17	0.22	0.18	0.19
Estonia	0.22	0.21	0.20	0.23	0.19	0.20
Finland	0.07	0.08	0.07	0.13	0.13	0.12
France	0.58	0.55	0.56	0.59	0.58	0.57
Germany	0.61	0.61	0.62	0.60	0.55	0.55
Greece	0.41	0.33	0.38	0.46	0.39	0.41
Hungary	0.69	0.65	0.64	0.67	0.65	0.59
Iceland	0.14	0.18	0.17	0.14	0.12	0.12
Ireland	0.25	0.21	0.22	0.24	0.19	0.19
Israel	0.48	0.45	0.41	0.46	0.43	0.44
Italy	0.56	0.50	0.50	0.56	0.53	0.51
Japan	0.50	0.56	0.49	0.46	0.54	0.45
Korea	0.33	0.38	0.33	0.36	0.39	0.36
Luxembourg	0.34	0.33	0.37	0.30	0.32	0.31
Mexico	0.45	0.43	0.41	0.40	0.36	0.37
Netherlands	0.62	0.63	0.64	0.66	0.66	0.62
New Zealand	0.21	0.23	0.22	0.25	0.25	0.26
Norway	0.10	0.11	0.11	0.15	0.15	0.16
Poland	0.16	0.17	0.14	0.25	0.25	0.22
Portugal	0.32	0.32	0.28	0.32	0.32	0.32
Slovak Republic	0.45	0.46	0.48	0.60	0.46	0.53
Slovenia	0.64	0.55	0.57	0.64	0.59	0.59
Spain	0.19	0.19	0.19	0.18	0.17	0.16
Sweden	0.15	0.18	0.16	0.20	0.15	0.18
Switzerland	0.32	0.34	0.35	0.35	0.34	0.34
Turkey	0.55	0.63	0.57	0.58	0.62	0.57
United Kingdom	0.20	0.25	0.23	0.24	0.24	0.24
United States	0.24	0.30	0.27	0.26	0.24	0.26
Partners						
Albania	0.29	0.34	0.31	0.07	0.05	0.06
Argentina	0.54	0.54	0.55	0.48	0.49	0.52
Azerbaijan	0.42	0.43	0.39			
Brazil	0.41	0.46	0.43	0.43	0.45	0.44
Bulgaria	0.58	0.54	0.55	0.63	0.55	0.57
Colombia	0.36	0.36	0.36	0.39	0.37	0.35
Costa Rica	0.38	0.39	0.36	0.39	0.40	0.39
Croatia	0.44	0.39	0.40	0.51	0.43	0.38
Cyprus ^{1, 2}				0.37	0.36	0.36
Georgia	0.23	0.28	0.22			
Himachal Pradesh-India	0.32	0.37	0.42			
Hong Kong-China	0.41	0.41	0.40	0.42	0.43	0.38
Indonesia	0.48	0.48	0.45	0.49	0.49	0.46
Jordan	0.34	0.38	0.31	0.41	0.34	0.35
Kazakhstan	0.39	0.42	0.38	0.38	0.38	0.38
Kyrgyzstan	0.41	0.43	0.39			
Latvia	0.23	0.24	0.25	0.30	0.27	0.27
Liechtenstein	0.43	0.31	0.34	0.48	0.52	0.43
Lithuania	0.32	0.32	0.31	0.38	0.33	0.34
Macao-China	0.33	0.26	0.29	0.38	0.36	0.35
Macedonia						
Malaysia	0.26	0.29	0.26	0.25	0.32	0.26
Malta	0.52	0.47	0.47			
Mauritius	0.66	0.60	0.60			
Miranda-Venezuela	0.50	0.52	0.49			
Moldova	0.31	0.36	0.32			
Montenegro	0.34	0.31	0.28	0.39	0.34	0.32
Panama	0.56	0.55	0.55			
Peru	0.53	0.51	0.47	0.49	0.46	0.45
Qatar	0.55	0.54	0.53	0.48	0.47	0.46
Romania	0.57	0.46	0.47	0.50	0.48	0.49
Russian Federation	0.28	0.29	0.25	0.33	0.29	0.30
Serbia	0.41	0.39	0.37	0.47	0.47	0.42
Shanghai-China	0.44	0.47	0.43	0.47	0.47	0.46
Singapore	0.34	0.35	0.36	0.35	0.35	0.36
Chinese Taipei	0.35	0.41	0.36	0.40	0.43	0.43
Tamil Nadu-India	0.42	0.43	0.38			
Thailand	0.41	0.42	0.35	0.44	0.49	0.43
Trinidad and Tobago	0.62	0.65	0.61			
Tunisia	0.43	0.47	0.41	0.50	0.49	0.43
United Arab Emirates	0.49	0.46	0.46	0.52	0.47	0.45
Uruguay	0.41	0.40	0.40	0.46	0.44	0.41
Viet Nam				0.57	0.54	0.50
<i>Central tendency indices on 35 countries that participated in the five surveys</i>						
Median	0.33	0.33	0.34	0.35	0.34	0.34
Mean	0.35	0.36	0.35	0.37	0.36	0.35

1. Footnote by Turkey: The information in this document with reference to "Cyprus" relates to the southern part of the Island. There is no single authority representing both Turkish and Greek Cypriot people on the Island. Turkey recognises the Turkish Republic of Northern Cyprus (TRNC). Until a lasting and equitable solution is found within the context of the United Nations, Turkey shall preserve its position concerning the "Cyprus issue".

2. Footnote by all the European Union Member States of the OECD and the European Union: The Republic of Cyprus is recognised by all members of the United Nations with the exception of Turkey. The information in this document relates to the area under the effective control of the Government of the Republic of Cyprus.

[Part 1/2]

Table C.5 Within explicit strata intraclass correlation by country, by domain and cycle

	PISA 2000			PISA 2003			PISA 2006		
	Reading	Mathematics	Science	Reading	Mathematics	Science	Reading	Mathematics	Science
OECD									
Australia	0.17	0.17	0.16	0.15	0.15	0.14	0.13	0.15	0.11
Austria	0.12	0.15	0.15	0.42	0.33	0.34	0.31	0.29	0.31
Belgium	0.42	0.39	0.38	0.31	0.29	0.26	0.33	0.32	0.32
Canada	0.18	0.18	0.16	0.12	0.13	0.12	0.20	0.18	0.16
Chile	0.33	0.26	0.21				0.33	0.38	0.32
Czech Republic	0.12	0.15	0.10	0.32	0.33	0.25	0.29	0.25	0.24
Denmark	0.18	0.16	0.16	0.17	0.13	0.12	0.19	0.17	0.16
Estonia							0.21	0.18	0.14
Finland	0.11	0.06	0.04	0.03	0.04	0.04	0.08	0.07	0.05
France	0.19	0.17	0.16	0.17	0.16	0.17	0.31	0.26	0.25
Germany				0.50	0.50	0.48	0.55	0.54	0.49
Greece	0.43	0.35	0.33	0.33	0.35	0.25	0.39	0.29	0.33
Hungary	0.59	0.49	0.46	0.20	0.26	0.17	0.43	0.40	0.33
Iceland	0.07	0.05	0.07	0.03	0.03	0.03	0.11	0.08	0.08
Ireland	0.17	0.11	0.14	0.20	0.15	0.14	0.21	0.17	0.15
Israel	0.37	0.28	0.28				0.31	0.30	0.25
Italy	0.34	0.26	0.27	0.19	0.22	0.18	0.20	0.21	0.17
Japan	0.44	0.47	0.42	0.43	0.51	0.44	0.46	0.50	0.44
Korea	0.17	0.13	0.13	0.18	0.21	0.20	0.27	0.25	0.20
Luxembourg	0.31	0.22	0.27	0.25	0.28	0.25	0.13	0.15	0.14
Mexico	0.48	0.44	0.36	0.30	0.33	0.23	0.29	0.31	0.29
Netherlands	0.18	0.18	0.15	0.28	0.30	0.22	0.37	0.30	0.26
New Zealand	0.15	0.16	0.16	0.17	0.17	0.17	0.19	0.16	0.16
Norway	0.09	0.08	0.09	0.08	0.07	0.08	0.12	0.10	0.10
Poland	0.25	0.23	0.20	0.14	0.12	0.13	0.14	0.13	0.12
Portugal	0.35	0.29	0.29	0.34	0.30	0.27	0.19	0.16	0.14
Slovak Republic				0.36	0.38	0.38	0.37	0.36	0.27
Slovenia							0.36	0.26	0.23
Spain	0.13	0.11	0.10	0.12	0.12	0.11	0.11	0.09	0.09
Sweden	0.07	0.06	0.06	0.08	0.09	0.08	0.14	0.12	0.10
Switzerland	0.35	0.32	0.34	0.25	0.29	0.25	0.28	0.27	0.27
Turkey				0.36	0.40	0.39	0.41	0.49	0.49
United Kingdom	0.21	0.22	0.23	0.21	0.21	0.19	0.21	0.21	0.19
United States				0.22	0.24	0.20		0.28	0.24
Partners									
Albania	0.26	0.19	0.19				0.37	0.43	0.40
Argentina	0.40	0.33	0.31				0.37	0.53	0.42
Azerbaijan							0.41	0.47	0.42
Brazil	0.43	0.36	0.29	0.17	0.29	0.20	0.48	0.43	0.44
Bulgaria	0.47	0.37	0.30				0.29	0.36	0.30
Colombia									
Costa Rica							0.22	0.17	0.17
Croatia									
Cyprus ^{1,2}									
Georgia									
Himachal Pradesh-India									
Hong Kong-China	0.47	0.44	0.44	0.42	0.46	0.45	0.38	0.39	0.36
Indonesia	0.38	0.28	0.29	0.33	0.40	0.33	0.46	0.44	0.38
Jordan							0.26	0.21	0.19
Kazakhstan									
Kyrgyzstan							0.23	0.25	0.22
Latvia	0.26	0.23	0.26	0.18	0.20	0.19	0.24	0.19	0.16
Liechtenstein	0.45	0.43	0.40						
Lithuania							0.17	0.19	0.16
Macao-China				0.22	0.16	0.16	0.19	0.17	0.19
Macedonia	0.31	0.19	0.19						
Malaysia									
Malta									
Mauritius									
Miranda-Venezuela									
Moldova									
Montenegro							0.27	0.23	0.24
Panama									
Peru	0.49	0.30	0.23						
Qatar							0.20	0.20	0.20
Romania	0.21	0.17	0.15				0.35	0.35	0.31
Russian Federation	0.31	0.29	0.25	0.15	0.20	0.12	0.26	0.20	0.19
Serbia				0.33	0.34	0.27	0.40	0.36	0.36
Shanghai-China									
Singapore									
Chinese Taipei							0.37	0.40	0.38
Tamil Nadu-India									
Thailand	0.26	0.29	0.24	0.28	0.32	0.26	0.31	0.29	0.27
Trinidad and Tobago									
Tunisia				0.33	0.42	0.33	0.18	0.19	0.13
United Arab Emirates									
Uruguay				0.22	0.31	0.22	0.25	0.22	0.21
Viet Nam									
<i>Central tendency indices on 35 countries that participated in the five surveys</i>									
Median	0.25	0.22	0.23	0.20	0.23	0.19	0.26	0.23	0.20
Mean	0.27	0.24	0.23	0.23	0.24	0.21	0.26	0.25	0.23

1. Footnote by Turkey: The information in this document with reference to "Cyprus" relates to the southern part of the Island. There is no single authority representing both Turkish and Greek Cypriot people on the Island. Turkey recognises the Turkish Republic of Northern Cyprus (TRNC). Until a lasting and equitable solution is found within the context of the United Nations, Turkey shall preserve its position concerning the "Cyprus issue".

2. Footnote by all the European Union Member States of the OECD and the European Union: The Republic of Cyprus is recognised by all members of the United Nations with the exception of Turkey. The information in this document relates to the area under the effective control of the Government of the Republic of Cyprus.



[Part 2/2]

Table C.5 Within explicit strata intraclass correlation by country, by domain and cycle

	PISA 2009			PISA 2012		
	Reading	Mathematics	Science	Reading	Mathematics	Science
OECD						
Australia	0.15	0.18	0.16	0.22	0.23	0.20
Austria	0.18	0.18	0.18	0.19	0.18	0.17
Belgium	0.35	0.36	0.34	0.26	0.23	0.24
Canada	0.16	0.18	0.16	0.16	0.16	0.15
Chile	0.26	0.29	0.22	0.28	0.25	0.25
Czech Republic	0.17	0.19	0.17	0.17	0.15	0.17
Denmark	0.13	0.14	0.14	0.20	0.16	0.17
Estonia	0.19	0.17	0.16	0.20	0.16	0.16
Finland	0.06	0.07	0.07	0.12	0.12	0.11
France	0.29	0.27	0.30	0.27	0.24	0.25
Germany	0.53	0.55	0.53	0.53	0.48	0.48
Greece	0.35	0.29	0.33	0.43	0.35	0.38
Hungary	0.32	0.34	0.32	0.34	0.37	0.31
Iceland	0.13	0.17	0.15	0.08	0.07	0.06
Ireland	0.19	0.17	0.17	0.19	0.16	0.15
Israel	0.32	0.29	0.27	0.27	0.26	0.27
Italy	0.22	0.26	0.23	0.24	0.25	0.23
Japan	0.48	0.55	0.47	0.43	0.52	0.43
Korea	0.19	0.22	0.18	0.28	0.29	0.27
Luxembourg	0.20	0.20	0.22	0.15	0.16	0.16
Mexico	0.35	0.34	0.32	0.29	0.27	0.29
Netherlands	0.36	0.35	0.40	0.40	0.35	0.33
New Zealand	0.20	0.22	0.21	0.24	0.23	0.24
Norway	0.10	0.10	0.11	0.15	0.15	0.16
Poland	0.14	0.14	0.12	0.22	0.21	0.19
Portugal	0.26	0.26	0.24	0.30	0.30	0.30
Slovak Republic	0.26	0.29	0.33	0.44	0.27	0.35
Slovenia	0.20	0.19	0.19	0.19	0.18	0.18
Spain	0.13	0.11	0.12	0.11	0.10	0.11
Sweden	0.12	0.15	0.13	0.17	0.12	0.16
Switzerland	0.25	0.27	0.27	0.25	0.24	0.24
Turkey	0.32	0.44	0.37	0.40	0.46	0.40
United Kingdom	0.12	0.15	0.14	0.15	0.13	0.15
United States	0.20	0.27	0.24	0.23	0.22	0.22
Partners						
Albania	0.21	0.27	0.26	0.06	0.04	0.05
Argentina	0.52	0.52	0.53	0.46	0.47	0.51
Azerbaijan	0.29	0.35	0.26			
Brazil	0.26	0.33	0.29	0.22	0.22	0.23
Bulgaria	0.45	0.40	0.43	0.61	0.53	0.55
Colombia	0.33	0.33	0.33	0.38	0.36	0.33
Costa Rica	0.27	0.28	0.24	0.30	0.31	0.29
Croatia	0.23	0.21	0.21	0.29	0.23	0.20
Cyprus ^{1, 2}				0.23	0.20	0.21
Georgia	0.17	0.22	0.18			
Himachal Pradesh-India	0.24	0.27	0.31			
Hong Kong-China	0.40	0.40	0.39	0.42	0.42	0.37
Indonesia						
Jordan	0.32	0.35	0.29	0.36	0.26	0.28
Kazakhstan	0.16	0.21	0.17	0.19	0.22	0.20
Kyrgyzstan	0.21	0.24	0.22			
Latvia	0.19	0.21	0.23	0.23	0.21	0.24
Liechtenstein						
Lithuania	0.16	0.16	0.17	0.21	0.18	0.20
Macao-China	0.27	0.22	0.23	0.32	0.31	0.29
Macedonia						
Malaysia	0.20	0.22	0.18	0.21	0.24	0.21
Malta	0.20	0.18	0.16			
Mauritius	0.43	0.41	0.44			
Miranda-Venezuela	0.31	0.37	0.31			
Moldova	0.19	0.27	0.25			
Montenegro	0.20	0.15	0.14	0.18	0.15	0.17
Panama	0.40	0.39	0.42			
Peru	0.40	0.37	0.33	0.39	0.35	0.36
Qatar	0.37	0.32	0.32	0.32	0.24	0.26
Romania	0.46	0.38	0.39	0.50	0.48	0.48
Russian Federation	0.19	0.21	0.19	0.23	0.21	0.21
Serbia	0.13	0.15	0.15	0.26	0.26	0.24
Shanghai-China	0.24	0.24	0.24	0.25	0.22	0.23
Singapore	0.34	0.34	0.36	0.31	0.32	0.32
Chinese Taipei	0.12	0.14	0.13	0.17	0.14	0.15
Tamil Nadu-India	0.35	0.36	0.30			
Thailand	0.29	0.33	0.26	0.31	0.36	0.29
Trinidad and Tobago	0.44	0.48	0.42			
Tunisia	0.14	0.23	0.16	0.48	0.45	0.40
United Arab Emirates	0.35	0.28	0.31	0.41	0.29	0.32
Uruguay	0.21	0.23	0.20	0.23	0.19	0.17
Viet Nam				0.53	0.49	0.46
	<i>Central tendency indices on 35 countries that participated in the five surveys</i>					
Median	0.20	0.22	0.22	0.23	0.22	0.23
Mean	0.23	0.25	0.24	0.25	0.24	0.23

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[Part 1/2]

Table C.6 Percentage of school variance explained by explicit stratification variables by country, by domain and cycle

	PISA 2000			PISA 2003			PISA 2006		
	Reading	Mathematics	Science	Reading	Mathematics	Science	Reading	Mathematics	Science
OECD									
Australia	33.0	35.0	35.0	36.1	35.4	37.1	43.3	38.1	42.8
Austria	90.4	84.5	85.8	55.4	59.5	59.8	64.8	68.5	62.0
Belgium	51.2	48.1	50.2	64.7	68.2	63.9	57.8	56.8	56.1
Canada	28.0	25.0	24.0	26.2	23.9	22.7	17.7	18.2	19.5
Chile	60.1	58.2	59.2				50.3	52.0	53.5
Czech Republic	88.0	78.3	84.9	49.9	53.0	54.7	67.7	71.9	71.3
Denmark	7.4	11.8	2.9	6.9	7.2	5.2	1.6	1.4	2.0
Estonia							39.0	31.9	38.9
Finland	11.4	12.0	28.5	17.6	10.9	19.1	15.4	11.3	11.1
France	77.4	76.3	79.3	75.9	76.7	77.0	67.4	72.6	71.0
Germany				28.6	26.2	28.1	41.2	23.6	26.5
Greece	28.4	36.1	27.0	7.4	7.9	8.6	32.7	41.9	43.2
Hungary	29.2	17.9	24.0	78.2	75.3	80.5	64.5	64.9	68.1
Iceland	14.4	13.5	10.8	23.0	28.1	19.7	11.3	12.8	17.1
Ireland	6.2	4.8	4.3	13.4	10.9	12.4	11.5	14.4	17.9
Israel	23.7	24.5	18.1				28.1	34.8	25.8
Italy	58.3	51.5	50.4	74.9	74.0	75.8	77.5	75.8	79.7
Japan	9.6	9.0	10.6	6.7	7.9	8.2	16.4	13.4	14.2
Korea	65.8	76.9	75.6	59.1	62.3	60.5	44.4	51.0	52.4
Luxembourg	1.3	9.7	2.1	8.1	17.0	15.4	62.3	62.4	60.7
Mexico	20.1	20.0	17.6	23.6	23.2	23.8	41.1	39.4	39.4
Netherlands	78.7	78.3	79.3	71.9	74.1	79.2	64.7	75.1	76.6
New Zealand	5.9	7.1	5.6	2.8	6.7	4.8	1.0	3.0	2.0
Norway	8.8	9.1	6.5	3.4	2.9	1.3	5.6	8.4	7.3
Poland	80.0	75.4	75.1	5.7	6.3	6.6	12.6	17.9	17.0
Portugal	8.0	7.7	8.5	16.1	16.6	15.6	57.2	61.7	64.3
Slovak Republic				19.2	20.6	19.5	41.2	40.1	49.1
Slovenia							78.8	76.9	80.2
Spain	43.8	43.7	47.0	44.7	43.1	40.8	41.7	48.3	43.6
Sweden	27.0	24.1	31.0	19.0	18.3	17.4	23.5	19.0	17.5
Switzerland	30.3	29.9	28.2	22.0	22.9	21.4	34.1	34.6	33.3
Turkey				49.5	44.3	42.8	24.0	17.3	17.1
United Kingdom	4.4	4.0	3.8	7.1	9.1	6.1	6.7	8.4	7.9
United States				11.3	10.3	11.6		0.7	0.1
Partners									
Albania	48.1	43.2	40.9				28.5	26.3	26.6
Argentina	34.3	36.2	35.0				29.9	15.9	27.0
Azerbaijan				47.9	48.1	51.1	16.0	21.1	19.0
Brazil	4.2	3.1	2.7				27.2	26.4	31.5
Bulgaria	31.5	32.6	33.5				3.8	3.9	3.2
Colombia									
Costa Rica									
Croatia							68.7	67.5	69.6
Cyprus ^{1, 2}									
Georgia									
Himachal Pradesh-India									
Hong Kong-China	3.3	3.4	3.2	0.7	1.2	0.9	4.2	3.9	4.4
Indonesia	18.5	23.9	18.8	15.1	18.3	15.8	17.2	20.5	19.3
Jordan							18.1	18.9	21.1
Kazakhstan									
Kyrgyzstan							57.7	55.2	55.6
Latvia	22.9	19.1	16.5	13.2	14.2	11.3	13.0	19.9	17.2
Liechtenstein									
Lithuania							50.6	51.9	51.7
Macao-China				7.8	13.6	9.6	35.7	28.6	35.2
Macedonia	44.8	47.8	54.3						
Malaysia									
Malta									
Mauritius									
Miranda-Venezuela									
Moldova									
Montenegro							24.3	9.6	22.3
Panama									
Peru	30.3	32.5	30.1						
Qatar							79.4	77.4	77.3
Romania	72.0	68.5	67.7				52.9	49.3	53.3
Russian Federation	23.2	25.7	24.5	41.9	43.7	46.4	33.7	35.5	35.9
Serbia				8.3	6.8	8.4	19.3	21.7	21.7
Shanghai-China									
Singapore									
Chinese Taipei							30.8	31.9	29.5
Tamil Nadu-India									
Thailand	21.6	17.7	25.1	24.7	20.3	26.8	36.6	27.6	36.2
Trinidad and Tobago									
Tunisia				2.3	1.9	0.8	75.3	74.4	79.7
United Arab Emirates									
Uruguay				48.4	43.4	44.2	53.0	58.0	60.0
Viet Nam									
<i>Central tendency indices on 35 countries that participated in the five surveys</i>									
Median	20.1	17.9	18.8	22.5	21.6	20.5	33.7	25.6	29.9
Mean	28.7	28.2	28.6	29.5	30.1	30.3	33.5	33.6	34.0

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[Part 2/2]

Table C.6 Percentage of school variance explained by explicit stratification variables by country, by domain and cycle

	PISA 2009			PISA 2012		
	Reading	Mathematics	Science	Reading	Mathematics	Science
OECD						
Australia	33.9	27.6	30.8	27.6	25.9	24.9
Austria	83.4	82.0	81.5	81.9	81.7	81.9
Belgium	58.7	59.3	65.8	72.9	74.4	71.9
Canada	17.0	15.8	15.1	20.5	20.9	23.2
Chile	64.0	60.0	64.1	69.6	72.1	68.5
Czech Republic	82.2	82.7	84.0	82.8	86.3	81.4
Denmark	22.2	24.7	25.8	9.0	15.5	15.5
Estonia	17.7	22.3	23.4	18.6	20.2	21.9
Finland	16.8	11.4	12.4	10.3	9.1	15.5
France	71.0	70.1	66.1	74.5	76.1	73.8
Germany	25.7	22.2	29.5	25.0	24.5	26.4
Greece	21.8	16.2	18.8	11.5	14.1	10.4
Hungary	78.2	73.3	74.5	74.8	68.4	68.6
Iceland	13.3	10.1	14.7	46.3	50.2	49.1
Ireland	27.1	26.2	28.3	25.3	21.2	26.8
Israel	47.7	50.0	47.2	55.6	53.7	52.1
Italy	77.1	65.1	70.9	75.3	69.4	72.2
Japan	7.5	6.4	6.4	10.6	9.4	7.8
Korea	53.9	52.4	53.1	30.5	36.3	34.4
Luxembourg	50.0	50.3	50.5	57.6	59.6	56.8
Mexico	36.6	31.4	32.0	37.8	36.5	32.6
Netherlands	66.2	67.7	61.7	66.3	73.0	69.6
New Zealand	2.6	3.9	3.1	6.5	8.4	7.4
Norway	3.2	5.3	4.9	0.2	0.7	0.3
Poland	17.9	21.3	19.5	16.4	21.4	18.4
Portugal	23.1	23.0	20.5	8.7	7.7	8.6
Slovak Republic	57.4	51.9	47.3	48.1	57.0	52.0
Slovenia	85.6	80.5	81.9	86.9	84.8	84.7
Spain	39.8	44.5	39.7	41.3	46.8	38.7
Sweden	23.4	20.6	20.1	14.9	22.5	15.4
Switzerland	31.2	28.5	31.1	36.3	36.4	37.2
Turkey	62.0	52.8	56.5	52.6	46.2	50.1
United Kingdom	47.7	47.1	45.7	47.3	53.5	47.2
United States	19.5	14.1	16.7	13.7	13.4	16.3
Partners						
Albania	36.0	27.2	22.3	20.0	29.7	19.7
Argentina	7.6	8.2	6.9	6.8	8.1	3.4
Azerbaijan	43.3	29.1	45.0			
Brazil	47.8	41.9	46.2	62.0	66.8	62.4
Bulgaria	40.4	42.9	38.3	7.3	7.5	8.5
Colombia	10.8	10.9	10.2	7.2	6.2	6.8
Costa Rica	40.4	38.9	43.9	32.7	34.2	35.9
Croatia	63.0	58.0	59.6	59.7	60.4	57.9
Cyprus ^{1,2}				51.3	57.0	52.4
Georgia	29.4	24.5	20.0			
Himachal Pradesh-India	34.8	37.4	39.3			
Hong Kong-China	4.7	4.1	5.4	2.8	4.5	5.3
Indonesia						
Jordan	7.0	11.2	11.1	19.7	33.1	26.4
Kazakhstan	68.9	62.7	65.0	61.4	54.2	59.2
Kyrgyzstan	60.4	58.1	55.4			
Latvia	20.6	19.3	11.9	31.9	26.5	14.6
Liechtenstein						
Lithuania	57.8	58.3	53.1	56.4	53.9	51.6
Macao-China	24.7	17.5	27.9	23.9	20.2	23.7
Macedonia						
Malaysia	25.6	30.6	36.2	20.6	32.1	24.5
Malta	76.4	75.5	79.2			
Mauritius	61.6	52.2	48.7			
Miranda-Venezuela	55.3	46.7	52.6			
Moldova	46.3	36.2	30.8			
Montenegro	52.1	60.4	58.1	66.1	65.4	55.9
Panama	47.7	46.7	41.1			
Peru	40.8	44.3	44.8	33.2	36.2	32.1
Qatar	53.1	60.2	57.6	49.3	65.4	58.1
Romania	36.7	27.1	29.7	2.1	0.6	0.8
Russian Federation	37.8	34.6	31.0	39.7	33.6	35.8
Serbia	78.8	71.9	71.4	59.5	58.8	56.1
Shanghai-China	58.4	63.6	56.2	61.9	67.6	63.8
Singapore	0.4	0.7	0.5	17.8	15.9	16.2
Chinese Taipei	75.5	76.6	74.9	68.5	79.2	77.0
Tamil Nadu-India	27.1	26.4	31.2			
Thailand	41.7	31.9	36.5	44.1	43.5	43.8
Trinidad and Tobago	51.0	50.8	51.9			
Tunisia	77.3	66.0	72.2	11.1	15.2	10.8
United Arab Emirates	44.7	54.3	45.9	35.6	52.7	41.8
Uruguay	62.7	54.9	61.9	64.8	69.0	69.8
Viet Nam				14.3	17.2	13.8
<i>Central tendency indices on 35 countries that participated in the five surveys</i>						
Median	31.2	27.6	30.8	31.9	33.6	32.6
Mean	36.5	34.4	35.0	36.6	37.5	36.2

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