

## Mathematics Item Estimates and Standard Errors

The following tables provide the full set of student performance data on the TIMSS and TIMSS Advanced mathematics items used to produce the estimates shown in the tables and figures in *Student Misconceptions and Errors in Physics and Mathematics: Exploring Data from TIMSS and TIMSS Advanced* (Neidorf et al. 2019), along with their standard errors.

The tables show the weighted number of students (N) and percentage of students in each response category and the standard error (SE) of the estimates for each country as well as the average of countries.

For multiple choice items, the response options are indicated by the letters A through E. The correct response option for each item is identified with the word “Correct” above the letter in the column headings of the tables. Code 7 in the TIMSS data files reflects responses that are uninterpretable; these are indicated as “invalid” in the column headings. Code 9 means a completely blank response and is indicated as “omitted” in the column headings.

For constructed response items, the response categories are indicated using two-digit codes (e.g., 20, 10, 11, 70, 71, 79, 99, etc.) as defined in the TIMSS scoring guides. The first digit is used to determine the number of score points given for a response (2 or 1). For incorrect responses (0 points) TIMSS uses either 7 (incorrect response) or 9 (blank response) as the first digit. The second digit for correct, partial or incorrect responses (ranging from 0 to 5) indicates specific types of responses that are tracked for diagnostic purposes. The second digit 9 is used to designate “other” responses not captured in specific diagnostic codes. Therefore, 2-digit codes in the column headings of the tables for correct answers and partially correct answers are 20-25, 10-15, or 19, and diagnostic codes for incorrect answers are 70-75 or 79. The code 99 means a completely blank response and is indicated as “omitted” in the column headings.

For all items, “omitted” responses do not include responses that were treated as “not reached.”

Throughout the tables, the symbol “—” indicates that data are not available.

**Table S.62** Percent distribution for item 1A & 1B (MA33240): 2015

Country	Correct			Partially			Partially			Incorrect			Omitted		
	N	(20)	SE	N	Correct (10)	SE	N	Correct (11)	SE	N	(79)	SE	N	Omitted	SE
Italy	193	17.72	1.18	40	3.79	0.68	85	7.14	0.83	262	22.84	1.61	527	48.50	1.76
Norway	315	39.15	1.76	187	22.36	1.67	29	3.46	0.51	157	18.72	1.58	144	16.31	1.42
Russian Federation	854	29.86	1.81	231	9.66	0.86	138	6.36	0.82	541	22.42	1.52	733	31.70	1.77
Slovenia	297	27.89	1.62	75	7.67	1.19	112	11.24	1.34	303	33.38	1.94	192	19.82	1.47
United States	289	35.34	3.01	232	21.96	2.27	52	5.12	0.98	355	31.05	2.25	49	6.53	2.04
Average of Countries	—	29.99	0.88	—	13.09	0.65	—	6.66	0.42	—	25.68	0.81	—	24.57	0.76

**Table S.63** Percent misconception and percent correct for item 1A (MA33240): 2015

Country	Misconception			Correct on Part A		
	N	(11, 79, 99)	SE	N	(20, 10)	SE
Italy	874	78.48	1.32	233	21.52	1.32
Norway	330	38.49	2.24	502	61.51	2.24
Russian Federation	1,412	60.48	2.08	1,085	39.52	2.08
Slovenia	607	64.44	1.99	372	35.56	1.99
United States	456	42.70	2.85	521	57.30	2.85
Average of Countries	—	56.92	0.96	—	43.08	0.96

**Table S.64** Percent misconception and percent correct for item 1A (MA33240), by gender: 2015

Country	Female						Male					
	Misconception			Correct on Part A			Misconception			Correct on Part A		
	N	(11, 79, 99)	SE	N	(20, 10)	SE	N	(11, 79, 99)	SE	N	(20, 10)	SE
Italy	320	84.11	1.71	63	15.89	1.71	554	75.29	1.84	170	24.71	1.84
Norway	127	40.20	2.75	173	59.80	2.75	203	37.54	2.64	329	62.46	2.64
Russian Federation	763	66.44	2.23	431	33.56	2.23	649	54.67	2.41	654	45.33	2.41
Slovenia	393	72.46	2.60	161	27.54	2.60	214	53.40	2.87	211	46.60	2.87
United States	232	39.29	3.63	246	60.71	3.63	224	45.81	3.74	275	54.19	3.74
Average of Countries	—	60.50	1.19	—	39.50	1.19	—	53.34	1.24	—	46.66	1.24

**Table S.65** Percent misconception and percent correct for item 1B (MA33240): 2015

Country	Misconception			Correct on Part B		
	N	(10, 79, 99)	SE	N	(20, 11)	SE
Italy	829	75.14	1.21	278	24.86	1.21
Norway	488	57.39	1.90	344	42.61	1.90
Russian Federation	1,505	63.78	1.96	992	36.22	1.96
Slovenia	570	60.87	2.28	409	39.13	2.28
United States	636	59.54	2.89	341	40.46	2.89
Average of Countries	—	63.34	0.95	—	36.66	0.95

**Table S.66** Percent misconception and percent correct for item 1B (MA33240), by gender: 2015

Country	Female						Male					
	Misconception			Correct on Part B			Misconception			Correct on Part B		
	N	(10, 79, 99)	SE	N	(20, 11)	SE	N	(10, 79, 99)	SE	N	(20, 11)	SE
Italy	314	82.81	1.91	69	17.19	1.91	515	70.79	1.52	209	29.21	1.52
Norway	177	56.76	3.15	123	43.24	3.15	311	57.73	2.05	221	42.27	2.05
Russian Federation	818	71.42	1.99	376	28.58	1.99	687	56.34	2.72	616	43.66	2.72
Slovenia	365	68.36	2.55	189	31.64	2.55	205	50.55	2.96	220	49.45	2.96
United States	324	58.72	3.84	154	41.28	3.84	312	60.30	3.67	187	39.70	3.67
Average of Countries	—	67.61	1.25	—	32.39	1.25	—	59.14	1.20	—	40.86	1.20

**Table S.67** Percent distribution for item 2 (M042263): 2007

Country	Correct						Incorrect								
	N	(10)	SE	N	(11)	SE	N	(70)	SE	N	(79)	SE	N	Omitted	SE
Italy	17	2.66	0.76	101	16.72	1.72	17	2.89	0.78	219	34.67	2.19	265	43.06	2.15
Norway	10	1.58	0.56	113	17.06	1.67	32	5.02	0.85	291	43.99	1.99	200	32.35	2.05
Russian Federation	132	17.54	1.57	16	2.02	0.49	34	5.48	1.13	199	34.55	2.30	244	40.42	2.76
Slovenia	13	2.06	0.59	161	28.32	1.99	12	1.84	0.50	285	49.80	2.23	108	17.98	1.69
United States	52	4.87	0.78	349	32.32	1.79	12	1.69	0.53	533	51.00	2.06	106	10.14	0.94
Average of Countries	—	5.74	0.42	—	19.29	0.73	—	3.38	0.35	—	42.80	0.96	—	28.79	0.90

**Table S.68** Percent misconception and percent correct for item 2 (M042263): 2007

Country	Misconception			Correct		
	N	(79, 99)	SE	N	(10,11)	SE
Italy	484	77.73	1.96	118	19.38	1.86
Norway	491	76.34	1.85	123	18.64	1.69
Russian Federation	443	74.96	1.91	148	19.56	1.66
Slovenia	393	67.78	2.06	174	30.38	1.98
United States	639	61.13	2.12	401	37.18	1.99
Average of Countries	—	71.59	0.89	—	25.03	0.82

**Table S.69** Percent misconception and percent correct for item 2 (M042263), by gender: 2007

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(79, 99)	SE	N	(10,11)	SE	N	(79, 99)	SE	N	(10,11)	SE
Italy	220	76.94	2.76	55	20.13	2.66	264	78.35	2.48	63	18.79	2.38
Norway	245	75.64	2.81	62	18.89	2.55	246	77.05	2.67	61	18.39	2.31
Russian Federation	220	73.43	2.79	81	21.79	2.63	223	76.56	2.44	67	17.24	1.88
Slovenia	197	70.91	2.83	81	28.71	2.82	196	64.71	2.75	93	32.03	2.61
United States	330	61.70	2.54	200	37.76	2.54	309	60.55	2.68	201	36.59	2.58
Average of Countries	—	71.72	1.23	—	25.46	1.18	—	71.44	1.17	—	24.61	1.06

**Table S.70** Percent distribution for item 3 (M062237): 2015

Country	Correct			Incorrect			Omitted		
	N	(10)	SE	N	(79)	SE	N	Omitted	SE
Italy	34	5.27	1.16	293	45.93	2.43	319	48.80	2.36
Norway	34	4.11	0.82	371	53.31	2.51	270	42.58	2.48
Russian Federation	247	36.06	3.30	187	27.26	2.18	246	36.68	2.54
Slovenia	60	9.79	1.23	376	60.99	2.29	177	29.22	2.06
United States	326	23.47	1.45	951	66.21	1.50	144	10.32	0.87
Average of Countries	—	15.74	0.81	—	50.74	0.99	—	33.52	0.96

**Table S.71** Percent misconception and percent correct for item 3 (M062237): 2015

Country	Misconception			Correct		
	N	(79, 99)	SE	N	(10)	SE
Italy	612	94.73	1.16	34	5.27	1.16
Norway	641	95.89	0.82	34	4.11	0.82
Russian Federation	433	63.94	3.30	247	36.06	3.30
Slovenia	553	90.21	1.23	60	9.79	1.23
United States	1095	76.53	1.45	326	23.47	1.45
Average of Countries	—	84.26	0.81	—	15.74	0.81

**Table S.72** Percent misconception and percent correct for item 3 (M062237), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(79, 99)	SE	N	(10)	SE	N	(79, 99)	SE	N	(10)	SE
Italy	295	96.58	1.32	8	3.42	1.32	317	93.19	1.59	26	6.81	1.59
Norway	332	96.16	1.11	17	3.84	1.11	309	95.59	1.09	17	4.41	1.09
Russian Federation	207	66.76	3.72	108	33.24	3.72	226	61.41	3.99	139	38.59	3.99
Slovenia	274	92.83	1.51	23	7.17	1.51	279	87.79	2.00	37	12.21	2.00
United States	583	78.66	1.64	154	21.34	1.64	512	74.27	2.17	172	25.73	2.17
Average of Countries	—	86.20	0.93	—	13.80	0.93	—	82.45	1.07	—	17.55	1.07

**Table S.73** Percent distribution for item 4 (M052087): 2015

Country	Correct			Incorrect			Incorrect			N	Omitted	SE
	N	(10)	SE	N	(70)	SE	N	(79)	SE			
Italy	21	4.15	1.08	3	0.39	0.23	336	50.81	2.74	279	44.65	2.72
Norway	5	0.65	0.34	4	0.72	0.39	498	75.06	2.10	162	23.57	2.01
Russian Federation	234	36.20	3.32	25	3.97	1.10	196	28.18	2.49	218	31.64	2.10
Slovenia	27	4.96	1.41	4	0.51	0.20	439	71.89	2.26	133	22.64	2.02
United States	251	17.36	1.42	40	2.82	0.44	1,067	73.46	1.74	92	6.35	0.73
Average of Countries	—	12.67	0.81	—	1.68	0.26	—	59.88	1.02	—	25.77	0.91

**Table S.74** Percent misconception and percent correct for item 4 (M052087): 2015

Country	Misconception			Correct		
	N	(79, 99)	SE	N	(10)	SE
Italy	615	95.46	1.10	21	4.15	1.08
Norway	660	98.63	0.51	5	0.65	0.34
Russian Federation	414	59.82	3.30	234	36.20	3.32
Slovenia	572	94.53	1.42	27	4.96	1.41
United States	1,159	79.81	1.60	251	17.36	1.42
Average of Countries	—	85.65	0.82	—	12.67	0.81

**Table S.75** Percent misconception and percent correct for item 4 (M052087), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(79, 99)	SE	N	(10)	SE	N	(79, 99)	SE	N	(10)	SE
Italy	323	96.56	0.91	8	2.66	0.86	292	94.37	1.92	13	5.63	1.92
Norway	319	98.82	0.68	2	0.35	0.25	340	98.46	0.74	3	0.92	0.58
Russian Federation	200	60.51	3.81	110	33.85	3.40	214	59.16	3.70	124	38.47	3.76
Slovenia	264	95.97	1.32	10	3.44	1.24	308	93.31	2.14	17	6.25	2.14
United States	556	78.06	2.21	137	18.86	2.01	603	81.55	1.77	114	15.88	1.58
Average of Countries	—	85.98	0.95	—	11.83	0.85	—	85.37	1.01	—	13.43	1.01

**Table S.76** Trends in percent misconception for item 4 (M052087): 2011, 2015

Country	2015			2011		
	N	Misconception (79, 99)	SE	N	Misconception (79, 99)	SE
Italy	615	95.46	1.10	526	94.41	1.06
Norway	660	98.63	0.51	547	97.96	0.62
Russian Federation	414	59.82	3.30	433	62.52	2.62
Slovenia	572	94.53	1.42	603	95.13	1.08
United States	1,159	79.81	1.60	1,260	84.13	0.94
Average of Countries	—	85.65	0.82	—	86.83	0.65

**Table S.77** Percent distribution for item 5 (M032728): 2003

Country	Correct (A)			B			C			D			Invalid			Omitted		
	N	(A)	SE	N	B	SE	N	C	SE	N	D	SE	N	Invalid	SE	N	Omitted	SE
Italy	110	28.79	2.98	111	32.62	3.00	50	14.87	2.22	32	8.88	1.66	—	—	—	58	14.84	2.28
Norway	109	30.96	2.58	107	31.71	2.92	59	18.71	2.44	26	7.29	1.49	—	—	—	36	11.33	1.88
Russian Federation	181	44.36	2.46	99	26.50	2.78	38	10.35	1.81	25	6.56	1.23	1	0.22	0.22	50	12.01	1.74
Slovenia	110	36.46	3.38	97	33.02	3.14	35	11.63	2.11	25	7.33	1.80	3	1.07	0.62	32	10.49	2.11
United States	359	49.90	2.34	190	25.16	1.79	106	13.89	1.38	47	7.01	1.15	—	—	—	27	4.05	0.78
Average of Countries	—	38.09	1.24	—	29.80	1.24	—	13.89	0.91	—	7.41	0.66	—	0.26	0.13	—	10.54	0.82

**Table S.78** Percent misconception and percent correct for item 5 (M032728): 2003

Country	Misconception			Correct		
	N	(B, C, D, 7, 9)	SE	N	(A)	SE
Italy	251	71.21	2.98	110	28.79	2.98
Norway	228	69.04	2.58	109	30.96	2.58
Russian Federation	213	55.64	2.46	181	44.36	2.46
Slovenia	192	63.54	3.38	110	36.46	3.38
United States	370	50.10	2.34	359	49.90	2.34
Average of Countries	—	61.91	1.24	—	38.09	1.24

**Table S.79** Percent misconception and percent correct for item 5 (M032728), by gender: 2003

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(B, C, D, 7, 9)	SE	N	(A)	SE	N	(B, C, D, 7, 9)	SE	N	(A)	SE
Italy	108	68.62	4.14	50	31.38	4.14	143	73.08	3.49	60	26.92	3.49
Norway	119	68.74	3.98	59	31.26	3.98	109	69.36	3.67	50	30.64	3.67
Russian Federation	115	55.98	3.28	94	44.02	3.28	98	55.27	3.47	87	44.73	3.47
Slovenia	95	61.11	4.39	62	38.89	4.39	97	66.05	4.53	48	33.95	4.53
United States	185	48.76	3.25	197	51.24	3.25	185	51.65	3.06	162	48.35	3.06
Average of Countries	—	60.64	1.71	—	39.36	1.71	—	63.08	1.64	—	36.92	1.64

**Table S.80** Percent distribution for item 6 (M052105): 2015

Country	Correct			Incorrect			N	Omitted	SE
	N	(10)	SE	N	(79)	SE			
Italy	15	1.56	0.56	457	75.82	2.02	146	22.63	1.97
Norway	89	11.44	1.51	517	77.47	2.27	77	11.09	1.68
Russian Federation	72	10.40	1.87	473	69.85	2.19	135	19.75	2.10
Slovenia	85	13.74	1.77	495	80.74	1.81	32	5.52	1.04
United States	437	30.84	1.62	940	64.52	1.65	71	4.64	0.59
Average of Countries	—	13.59	0.69	—	73.68	0.89	—	12.73	0.71

**Table S.81** Percent misconception and percent correct for item 6 (M052105): 2015

Country	Misconception			Correct		
	N	(79, 99)	SE	N	(10)	SE
Italy	603	98.44	0.56	15	1.56	0.56
Norway	594	88.56	1.51	89	11.44	1.51
Russian Federation	608	89.60	1.87	72	10.40	1.87
Slovenia	527	86.26	1.77	85	13.74	1.77
United States	1,011	69.16	1.62	437	30.84	1.62
Average of Countries	—	86.41	0.69	—	13.59	0.69

**Table S.82** Percent misconception and percent correct for item 6 (M052105), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(79, 99)	SE	N	(10)	SE	N	(79, 99)	SE	N	(10)	SE
Italy	289	97.71	1.01	8	2.29	1.01	314	99.09	0.55	7	0.91	0.55
Norway	285	87.41	1.76	49	12.59	1.76	308	89.58	1.90	40	10.42	1.90
Russian Federation	281	93.10	1.75	24	6.90	1.75	327	86.71	2.66	48	13.29	2.66
Slovenia	253	85.82	2.85	40	14.18	2.85	274	86.67	1.89	45	13.33	1.89
United States	528	70.25	2.14	216	29.75	2.14	483	67.98	2.03	221	32.02	2.03
Average of Countries	—	86.86	0.89	—	13.14	0.89	—	86.00	0.87	—	14.00	0.87

**Table S.83** Trends in percent misconception for item 6 (M052105): 2011, 2015

Country	2015			2011		
	N	Misconception (79, 99)	SE	N	Misconception (79, 99)	SE
Italy	603	98.44	0.56	531	94.40	1.22
Norway	594	88.56	1.51	512	94.40	1.12
Russian Federation	608	89.60	1.87	574	82.61	1.69
Slovenia	527	86.26	1.77	587	93.89	1.30
United States	1,011	69.16	1.62	1,151	78.09	1.30
Average of Countries	—	86.41	0.69	—	88.68	0.60



**Table S.84** Percent distribution for item 7 (M012022): 1999

Country	Correct			N	B	SE	N	C	SE	N	D	SE	N	E	SE	N	Invalid	SE
	N	(A)	SE															
Italy	534	44.78	1.85	152	12.59	1.02	135	11.38	1.21	319	26.81	1.43	53	4.44	0.62	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Russian Federation	880	57.50	2.03	122	7.93	0.83	102	6.97	0.67	244	15.46	1.14	186	12.14	1.19	—	—	—
Slovenia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
United States	1,802	55.17	1.07	372	10.77	0.51	443	13.01	0.71	575	17.35	0.69	134	3.68	0.32	1	0.02	0.02
Average of Countries	—	52.48	0.98	—	10.43	0.47	—	10.45	0.52	—	19.87	0.65	—	6.75	0.46	—	0.01	0.01

**Table S.85** Percent misconception and percent correct for item 7 (M012022): 1999

Country	Misconception			Correct		
	N	(C)	SE	N	(A)	SE
Italy	135	11.38	1.21	534	44.78	1.85
Norway	—	—	—	—	—	—
Russian Federation	102	6.97	0.67	880	57.50	2.03
Slovenia	—	—	—	—	—	—
United States	443	13.01	0.71	1,802	55.17	1.07
Average of Countries	—	10.45	0.52	—	52.48	0.98

**Table S.86** Percent misconception and percent correct for item 7 (M012022), by gender: 1999

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(C)	SE	N	(A)	SE	N	(C)	SE	N	(A)	SE
Italy	49	8.76	1.04	285	49.66	2.61	86	13.83	1.80	249	40.21	2.09
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Russian Federation	37	4.98	0.86	459	58.71	3.15	65	9.10	0.83	421	56.21	1.96
Slovenia	—	—	—	—	—	—	—	—	—	—	—	—
United States	209	12.08	0.86	952	58.39	1.48	234	13.91	1.02	850	52.06	1.37
Average of Countries	—	8.61	0.53	—	55.58	1.45	—	12.28	0.74	—	49.50	1.06

**Table S.87** Trends in percent misconception for item 7 (M012022): 1995, 1999

Country	1999			1995		
	N	Misconception (C)	SE	N	Misconception (C)	SE
Italy	135	11.38	1.21	—	—	—
Norway	—	—	—	155	13.88	1.23
Russian Federation	102	6.97	0.67	111	7.38	1.05
Slovenia	—	—	—	108	10.49	0.93
United States	443	13.01	0.71	401	14.05	0.88
Average of Countries	—	10.45	0.52	—	11.45	0.51

**Table S.88** Percent distribution for item 8 (M062095): 2015

Country	Correct			N	B	SE	N	C	SE	N	D	SE	N	Omitted	
	N	(A)	SE											Omitted	SE
Italy	273	39.66	2.20	174	28.12	2.31	125	20.13	1.89	44	6.25	1.10	35	5.85	1.18
Norway	234	34.13	2.11	203	30.60	1.78	161	24.94	1.67	29	4.29	0.91	38	6.05	1.17
Russian Federation	418	60.31	2.79	126	17.57	1.81	69	10.24	1.39	47	7.92	1.10	21	3.96	1.20
Slovenia	276	44.81	2.52	143	24.09	1.99	115	19.43	1.83	47	8.11	1.14	21	3.57	0.88
United States	929	63.91	1.40	298	20.20	1.17	145	10.27	0.88	58	4.17	0.68	24	1.46	0.34
Average of Countries	—	48.56	1.01	—	24.11	0.83	—	17.00	0.70	—	6.15	0.45	—	4.17	0.45

**Table S.89** Percent misconception and percent correct for item 8 (M062095): 2015

Country	Misconception			Correct		
	N	(B)	SE	N	(A)	SE
Italy	174	28.12	2.31	273	39.66	2.20
Norway	203	30.60	1.78	234	34.13	2.11
Russian Federation	126	17.57	1.81	418	60.31	2.79
Slovenia	143	24.09	1.99	276	44.81	2.52
United States	298	20.20	1.17	929	63.91	1.40
Average of Countries	—	24.11	0.83	—	48.56	1.01

**Table S.90** Percent misconception and percent correct for item 8 (M062095), by gender: 2015

Country	Female						Male					
	N	Misconception (B)	SE	N	Correct (A)	SE	N	Misconception (B)	SE	N	Correct (A)	SE
Italy	83	27.48	2.84	130	39.72	3.15	91	28.67	3.20	143	39.60	2.95
Norway	101	30.44	3.13	137	41.54	3.44	102	30.74	2.42	97	27.21	2.43
Russian Federation	62	18.37	2.28	199	57.66	3.13	64	16.73	2.06	219	63.09	3.59
Slovenia	66	23.60	2.68	141	46.96	3.12	77	24.53	2.92	135	42.87	3.64
United States	131	17.69	1.60	467	65.18	2.32	167	22.71	1.72	461	62.58	1.76
Average of Countries	—	23.52	1.14	—	50.21	1.37	—	24.68	1.13	—	47.07	1.32

**Table S.91** Percent distribution for item 9 (M062074): 2015

Country	Misconception (A)			Correct (B)			Correct (C)			Correct (D)			Omitted		
	N	A	SE	N	B	SE	N	C	SE	N	(D)	SE	N	Omitted	SE
Italy	46	6.80	1.17	177	27.08	1.93	101	14.21	1.44	246	39.43	2.41	73	12.48	1.80
Norway	66	8.87	1.21	200	29.26	2.02	145	21.92	1.87	144	21.38	1.90	114	18.56	1.76
Russian Federation	87	12.97	1.43	77	10.97	1.36	60	9.38	1.51	406	60.94	2.04	45	5.75	0.93
Slovenia	63	10.27	1.34	129	20.48	1.92	122	19.81	1.80	203	34.07	2.16	96	15.37	1.69
United States	119	8.57	0.80	303	21.61	1.17	132	9.36	0.89	774	55.52	1.61	70	4.93	0.58
Average of Countries	—	9.50	0.54	—	21.88	0.77	—	14.94	0.69	—	42.27	0.91	—	11.42	0.64

**Table S.92** Percent misconception and percent correct for item 9 (M062074): 2015

Country	Misconception (B)			Correct (D)		
	N	(B)	SE	N	(D)	SE
Italy	177	27.08	1.93	246	39.43	2.41
Norway	200	29.26	2.02	144	21.38	1.90
Russian Federation	77	10.97	1.36	406	60.94	2.04
Slovenia	129	20.48	1.92	203	34.07	2.16
United States	303	21.61	1.17	774	55.52	1.61
Average of Countries	—	21.88	0.77	—	42.27	0.91

**Table S.93** Percent misconception and percent correct for item 9 (M062074), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(B)	SE	N	(D)	SE	N	(B)	SE	N	(D)	SE
Italy	86	25.91	3.11	113	39.43	3.63	91	28.06	2.45	133	39.43	2.98
Norway	91	25.60	2.85	80	23.84	2.69	109	33.30	3.38	64	18.67	2.46
Russian Federation	37	12.32	2.25	184	59.15	3.05	40	9.76	1.60	222	62.53	2.47
Slovenia	62	21.40	2.65	111	38.63	3.15	67	19.63	2.50	92	29.85	3.34
United States	151	21.98	1.78	416	57.54	2.39	152	21.23	1.63	358	53.41	1.95
Average of Countries	—	21.44	1.15	—	43.72	1.35	—	22.40	1.07	—	40.78	1.20

**Table S.94** Percent distribution for item 10 (M052092): 2015

Country	Correct			N	B	SE	N	C	SE	N	D	SE	N	Omitted	SE
	N	(A)	SE												
Italy	137	20.87	2.08	100	14.22	1.54	161	24.53	1.86	234	35.78	2.37	30	4.60	0.97
Norway	75	10.31	1.40	111	16.87	1.69	204	29.20	1.84	233	36.50	2.15	44	7.12	1.26
Russian Federation	322	47.71	3.50	53	9.33	1.68	115	16.01	1.81	180	24.50	2.40	13	2.44	1.04
Slovenia	68	11.08	1.40	51	8.59	1.43	279	44.85	2.34	190	32.61	2.13	16	2.86	0.77
United States	631	44.16	1.70	106	7.02	0.89	391	27.42	1.40	309	20.51	1.25	14	0.89	0.26
Average of Countries	—	26.83	0.97	—	11.21	0.66	—	28.40	0.84	—	29.98	0.94	—	3.58	0.41

**Table S.95** Percent misconception and percent correct for item 10 (M052092): 2015

Country	Misconception			Correct		
	N	(B, C, D, 9)	SE	N	(A)	SE
Italy	525	79.13	2.08	137	20.87	2.08
Norway	592	89.69	1.40	75	10.31	1.40
Russian Federation	361	52.29	3.50	322	47.71	3.50
Slovenia	536	88.92	1.40	68	11.08	1.40
United States	820	55.84	1.70	631	44.16	1.70
Average of Countries	—	73.17	0.97	—	26.83	0.97

**Table S.96** Percent misconception and percent correct for item 10 (M052092), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(B, C, D, 9)	SE	N	(A)	SE	N	(B, C, D, 9)	SE	N	(A)	SE
Italy	254	78.82	3.04	64	21.18	3.04	271	79.42	2.56	73	20.58	2.56
Norway	305	90.56	1.57	34	9.44	1.57	287	88.82	2.13	41	11.18	2.13
Russian Federation	160	47.37	4.63	178	52.63	4.63	201	57.30	3.56	144	42.70	3.56
Slovenia	290	91.93	2.01	24	8.07	2.01	246	85.58	2.23	44	14.42	2.23
United States	417	56.51	2.44	314	43.49	2.44	402	55.20	2.41	316	44.80	2.41
Average of Countries	—	73.04	1.31	—	26.96	1.31	—	73.27	1.18	—	26.73	1.18

**Table S.97** Trends in percent misconception for item 10 (M052092): 2011, 2015

Country	2015			2011		
	Misconception			Misconception		
	N	(B, C, D, 9)	SE	N	(B, C, D, 9)	SE
Italy	525	79.13	2.08	412	73.49	2.02
Norway	592	89.69	1.40	475	89.02	1.36
Russian Federation	361	52.29	3.50	342	48.55	2.75
Slovenia	536	88.92	1.40	541	87.07	1.61
United States	820	55.84	1.70	894	62.64	1.40
Average of Countries	—	73.17	0.97	—	72.15	0.85

**Table S.98** Percent distribution for item 11 (M042112): 2015

Country										Correct					
	N	A	SE	N	B	SE	N	C	SE	N	(D)	SE	N	Omitted	SE
Italy	67	9.58	1.35	100	14.81	1.72	101	15.12	1.93	314	50.27	2.79	57	10.23	1.48
Norway	96	13.49	1.66	148	21.51	1.66	158	23.91	2.09	219	30.25	2.17	74	10.84	1.38
Russian Federation	87	12.89	1.62	74	9.73	1.38	98	17.11	2.31	358	50.86	2.81	67	9.41	1.42
Slovenia	61	9.74	1.20	98	16.40	1.50	83	12.45	1.48	325	54.53	1.99	39	6.89	1.16
United States	378	26.31	1.26	203	14.46	1.19	239	15.89	1.11	603	41.46	1.57	28	1.88	0.40
Average of Countries	—	14.40	0.64	—	15.38	0.67	—	16.90	0.82	—	45.47	1.04	—	7.85	0.55

**Table S.99** Percent misconception and percent correct for item 11 (M042112): 2015

Country	Misconception			Correct		
	N	(A, B, C, 9)	SE	N	(D)	SE
Italy	325	49.73	2.79	314	50.27	2.79
Norway	476	69.75	2.17	219	30.25	2.17
Russian Federation	326	49.14	2.81	358	50.86	2.81
Slovenia	281	45.47	1.99	325	54.53	1.99
United States	848	58.54	1.57	603	41.46	1.57
Average of Countries	—	54.53	1.04	—	45.47	1.04

**Table S.100** Percent misconception and percent correct for item 11 (M042112), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(A, B, C, 9)	SE	N	(D)	SE	N	(A, B, C, 9)	SE	N	(D)	SE
Italy	164	49.12	3.49	155	50.88	3.49	161	50.39	3.93	159	49.61	3.93
Norway	228	67.21	3.12	116	32.79	3.12	248	72.12	2.72	103	27.88	2.72
Russian Federation	150	47.08	4.01	177	52.92	4.01	176	51.09	2.95	181	48.91	2.95
Slovenia	137	45.92	3.03	145	54.08	3.03	144	45.07	2.94	180	54.93	2.94
United States	422	57.62	2.16	302	42.38	2.16	425	59.41	2.26	301	40.59	2.26
Average of Countries	—	53.39	1.44	—	46.61	1.44	—	55.62	1.35	—	44.38	1.35

**Table S.101** Trends in percent misconception for item 11 (M042112): 2007, 2011, 2015

Country	2015			2011			2007		
	N	Misconception (A, B, C, 9)	SE	N	Misconception (A, B, C, 9)	SE	N	Misconception (A, B, C, 9)	SE
Italy	325	49.73	2.79	306	52.70	2.39	306	45.82	2.43
Norway	476	69.75	2.17	365	66.71	2.52	382	58.08	2.15
Russian Federation	326	49.14	2.81	314	44.61	2.33	273	42.94	2.38
Slovenia	281	45.47	1.99	304	47.88	2.48	239	42.06	2.42
United States	848	58.54	1.57	869	57.70	1.26	551	52.30	1.50
Average of Countries	—	54.53	1.04	—	53.92	1.01	—	48.24	0.99

**Table S.102** Percent distribution for item 12 (M062242): 2015

Country	Correct			N	B	SE	N	C	SE	N	D	SE	N	Omitted	SE
	N	(A)	SE												
Italy	369	55.14	2.57	109	18.94	2.08	99	15.21	1.59	46	6.72	1.25	25	3.98	0.87
Norway	300	43.92	2.14	175	25.25	2.09	101	14.68	1.59	56	8.43	1.24	56	7.73	1.10
Russian Federation	485	71.37	2.34	83	12.57	1.72	52	6.82	1.15	41	6.07	1.15	18	3.17	1.22
Slovenia	397	64.84	2.27	96	15.95	1.63	65	11.63	1.47	30	4.72	0.95	16	2.86	0.79
United States	1,114	77.69	1.10	125	8.21	0.82	112	7.55	0.69	72	5.31	0.61	21	1.24	0.24
Average of Countries	—	62.59	0.96	—	16.18	0.77	—	11.18	0.60	—	6.25	0.48	—	3.80	0.41

**Table S.103** Percent misconception and percent correct for item 12 (M062242): 2015

Country	Misconception			Correct		
	N	(B, C, D, 9)	SE	N	(A)	SE
Italy	279	44.86	2.57	369	55.14	2.57
Norway	388	56.08	2.14	300	43.92	2.14
Russian Federation	194	28.63	2.34	485	71.37	2.34
Slovenia	207	35.16	2.27	397	64.84	2.27
United States	330	22.31	1.10	1,114	77.69	1.10
Average of Countries	—	37.41	0.96	—	62.59	0.96

**Table S.104** Percent misconception and percent correct for item 12 (M062242), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(B, C, D, 9)	SE	N	(A)	SE	N	(B, C, D, 9)	SE	N	(A)	SE
Italy	154	48.60	3.62	178	51.40	3.62	125	40.82	4.04	191	59.18	4.04
Norway	200	61.09	2.97	136	38.91	2.97	188	51.34	3.18	164	48.66	3.18
Russian Federation	108	33.77	4.01	236	66.23	4.01	86	23.02	2.55	249	76.98	2.55
Slovenia	107	32.70	2.94	216	67.30	2.94	100	38.06	3.51	181	61.94	3.51
United States	161	20.85	1.37	567	79.15	1.37	169	23.83	1.64	546	76.17	1.64
Average of Countries	—	39.40	1.39	—	60.60	1.39	—	35.42	1.38	—	64.58	1.38

**Table S.105** Percent distribution for item 13 (M042202): 2015

Country				Correct									Omitted		
	N	A	SE	N	(B)	SE	N	C	SE	N	D	SE	N		SE
Italy	24	3.20	0.83	383	57.03	2.19	25	4.74	1.04	196	32.61	1.94	13	2.41	0.77
Norway	47	7.83	1.51	276	40.58	2.69	74	10.58	1.37	240	33.42	1.97	45	7.59	1.15
Russian Federation	17	2.20	0.58	469	70.51	2.30	10	1.35	0.40	162	23.86	2.04	14	2.08	0.52
Slovenia	24	3.72	0.91	353	58.57	1.93	29	5.26	0.94	193	31.58	1.92	6	0.87	0.40
United States	64	4.65	0.68	1,068	75.09	1.37	68	4.78	0.59	202	14.38	1.09	17	1.10	0.26
Average of Countries	—	4.32	0.43	—	60.36	0.96	—	5.34	0.42	—	27.17	0.82	—	2.81	0.31

**Table S.106** Percent misconception and percent correct for item 13 (M042202): 2015

Country	Misconception			Correct		
	N	(A, C, D, 9)	SE	N	(B)	SE
Italy	258	42.97	2.19	383	57.03	2.19
Norway	406	59.42	2.69	276	40.58	2.69
Russian Federation	203	29.49	2.30	469	70.51	2.30
Slovenia	252	41.43	1.93	353	58.57	1.93
United States	351	24.91	1.37	1,068	75.09	1.37
Average of Countries	—	39.64	0.96	—	60.36	0.96

**Table S.107** Percent misconception and percent correct for item 13 (M042202), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(A, C, D, 9)	SE	N	(B)	SE	N	(A, C, D, 9)	SE	N	(B)	SE
Italy	121	42.48	3.05	190	57.52	3.05	137	43.42	3.19	193	56.58	3.19
Norway	194	57.95	3.56	144	42.05	3.56	212	60.91	3.36	132	39.09	3.36
Russian Federation	108	33.43	3.59	219	66.57	3.59	95	25.61	2.63	250	74.39	2.63
Slovenia	128	40.38	2.89	184	59.62	2.89	124	42.56	2.75	169	57.44	2.75
United States	153	21.73	1.59	561	78.27	1.59	198	28.07	1.98	507	71.93	1.98
Average of Countries	—	39.19	1.35	—	60.81	1.35	—	40.11	1.26	—	59.89	1.26



**Table S.108** Trends in percent misconception for item 13 (M042202): 2007, 2011, 2015

Country	2015			2011			2007		
	N	Misconception (A, C, D, 9)	SE	N	Misconception (A, C, D, 9)	SE	N	Misconception (A, C, D, 9)	SE
Italy	258	42.97	2.19	264	48.31	2.51	297	47.42	2.21
Norway	406	59.42	2.69	342	62.06	2.35	366	55.20	2.53
Russian Federation	203	29.49	2.30	192	28.13	2.19	222	35.41	3.01
Slovenia	252	41.43	1.93	309	48.46	2.19	281	49.78	2.54
United States	351	24.91	1.37	398	26.25	1.23	318	28.79	1.49
Average of Countries	—	39.64	0.96	—	42.64	0.96	—	43.32	1.08

**Table S.109** Percent distribution for item 14 (M062241): 2015

Country	Correct			Incorrect			N	Omitted	SE
	N	(10)	SE	N	(79)	SE			
Italy	159	25.30	2.30	218	32.98	2.46	251	41.72	2.66
Norway	116	15.71	1.64	287	43.90	2.25	270	40.39	2.62
Russian Federation	327	47.26	2.24	215	32.50	2.28	133	20.23	2.30
Slovenia	217	34.90	2.37	275	46.25	2.21	113	18.85	2.08
United States	556	39.65	1.71	803	54.63	1.64	86	5.71	0.83
Average of Countries	—	32.57	0.93	—	42.05	0.98	—	25.38	0.98

**Table S.110** Percent misconception and percent correct for item 14 (M062241): 2015

Country	Misconception			Correct		
	N	(79, 99)	SE	N	(10)	SE
Italy	469	74.70	2.30	159	25.30	2.30
Norway	557	84.29	1.64	116	15.71	1.64
Russian Federation	348	52.74	2.24	327	47.26	2.24
Slovenia	388	65.10	2.37	217	34.90	2.37
United States	889	60.35	1.71	556	39.65	1.71
Average of Countries	—	67.43	0.93	—	32.57	0.93

**Table S.111** Percent misconception and percent correct for item 14 (M062241), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(79, 99)	SE	N	(10)	SE	N	(79, 99)	SE	N	(10)	SE
Italy	236	76.66	2.97	73	23.34	2.97	233	72.92	2.90	86	27.08	2.90
Norway	269	84.24	2.79	56	15.76	2.79	286	84.25	2.19	60	15.75	2.19
Russian Federation	156	50.25	3.48	156	49.75	3.48	192	54.91	2.66	171	45.09	2.66
Slovenia	175	64.63	3.41	94	35.37	3.41	213	65.48	2.78	123	34.52	2.78
United States	451	60.07	2.77	286	39.93	2.77	438	60.65	1.89	270	39.35	1.89
Average of Countries	—	67.17	1.39	—	32.83	1.39	—	67.64	1.12	—	32.36	1.12

**Table S.112** Percent distribution for item 15 (M032545): 2003

Country	Correct			Incorrect			Incorrect			Omitted		
	N	(10)	SE	N	(70)	SE	N	(79)	SE	N	Omitted	SE
Italy	100	14.40	1.88	12	1.66	0.52	197	27.21	1.92	417	56.73	2.73
Norway	18	2.94	1.27	6	1.14	0.55	341	49.14	2.27	329	46.78	2.05
Russian Federation	307	38.69	2.48	11	1.37	0.38	109	14.04	1.39	342	45.90	2.34
Slovenia	53	9.17	1.40	9	2.08	0.75	245	42.14	2.51	283	46.61	2.71
United States	312	20.41	1.42	66	4.28	0.55	859	58.79	1.56	249	16.53	1.12
Average of Countries	—	17.12	0.78	—	2.11	0.25	—	38.26	0.88	—	42.51	1.01

**Table S.113** Percent misconception and percent correct for item 15 (M032545): 2003

Country	Misconception			Correct		
	N	(70, 79, 97, 99)	SE	N	(10)	SE
Italy	626	85.60	1.88	100	14.40	1.88
Norway	676	97.06	1.27	18	2.94	1.27
Russian Federation	462	61.31	2.48	307	38.69	2.48
Slovenia	537	90.83	1.40	53	9.17	1.40
United States	1,174	79.59	1.42	312	20.41	1.42
Average of Countries	—	82.88	0.78	—	17.12	0.78

**Table S.114** Percent misconception and percent correct for item 15 (M032545), by gender: 2003

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(70, 79, 97, 99)	SE	N	(10)	SE	N	(70, 79, 97, 99)	SE	N	(10)	SE
Italy	306	85.89	2.65	47	14.11	2.65	320	85.32	2.37	53	14.68	2.37
Norway	332	96.86	1.70	9	3.14	1.70	344	97.25	1.05	9	2.75	1.05
Russian Federation	211	55.59	2.91	171	44.41	2.91	251	66.85	3.16	136	33.15	3.16
Slovenia	264	89.95	2.01	29	10.05	2.01	273	91.77	1.66	24	8.23	1.66
United States	597	79.66	1.72	163	20.34	1.72	577	79.52	1.74	149	20.48	1.74
Average of Countries	—	81.59	1.01	—	18.41	1.01	—	84.14	0.95	—	15.86	0.95

**Table S.115** Percent distribution for item 16 (M052090): 2015

Country	A			B			Correct (C)			D			Omitted		
	N		SE	N		SE	N		SE	N		SE	N		SE
Italy	131	21.29	1.89	170	26.65	2.13	265	42.61	2.43	25	3.96	0.91	31	5.49	1.34
Norway	166	24.27	1.89	188	29.86	2.25	211	28.99	1.95	37	5.81	0.95	75	11.06	1.40
Russian Federation	124	18.31	2.30	165	25.82	2.55	350	51.20	3.04	15	2.69	0.80	16	1.98	0.38
Slovenia	96	15.24	1.63	160	27.90	2.67	277	46.00	2.61	25	4.33	1.08	41	6.54	1.22
United States	307	21.45	1.10	391	26.52	1.47	638	44.44	1.45	70	4.88	0.60	39	2.71	0.48
Average of Countries	—	20.11	0.81	—	27.35	1.01	—	42.65	1.06	—	4.33	0.40	—	5.55	0.47

**Table S.116** Percent misconception and percent correct for item 16 (M052090): 2015

Country	Misconception (A, B, D, 9)			Correct (C)		
	N		SE	N		SE
Italy	357	57.39	2.43	265	42.61	2.43
Norway	466	71.01	1.95	211	28.99	1.95
Russian Federation	320	48.80	3.04	350	51.20	3.04
Slovenia	322	54.00	2.61	277	46.00	2.61
United States	807	55.56	1.45	638	44.44	1.45
Average of Countries	—	57.35	1.06	—	42.65	1.06

**Table S.117** Percent misconception and percent correct for item 16 (M052090), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(A, B, D, 9)	SE	N	(C)	SE	N	(A, B, D, 9)	SE	N	(C)	SE
Italy	164	55.23	3.30	134	44.77	3.30	193	59.47	3.26	131	40.53	3.26
Norway	233	69.68	2.61	115	30.32	2.61	233	72.50	2.72	96	27.50	2.72
Russian Federation	142	47.08	3.61	177	52.92	3.61	178	50.30	3.68	173	49.70	3.68
Slovenia	147	50.91	3.91	143	49.09	3.91	175	57.02	3.53	134	42.98	3.53
United States	390	53.74	2.24	325	46.26	2.24	416	57.25	2.01	312	42.75	2.01
Average of Countries	—	55.33	1.43	—	44.67	1.43	—	59.31	1.39	—	40.69	1.39

**Table S.118** Trends in percent misconception for item 16 (M052090): 2011, 2015

Country	2015			2011		
	Misconception			Misconception		
	N	(A, B, D, 9)	SE	N	(A, B, D, 9)	SE
Italy	357	57.39	2.43	338	59.69	2.03
Norway	466	71.01	1.95	369	68.61	2.36
Russian Federation	320	48.80	3.04	346	51.06	2.60
Slovenia	322	54.00	2.61	389	60.40	2.39
United States	807	55.56	1.45	815	55.82	1.55
Average of Countries	—	57.35	1.06	—	59.12	0.99

**Table S.119** Percent distribution for item 17 (M032163): 2007

Country							Correct								
	N	A	SE	N	B	SE	N	(C)	SE	N	D	SE	N	Omitted	SE
Italy	99	16.41	1.90	143	23.45	2.05	228	39.00	2.16	59	10.71	1.55	60	10.44	1.45
Norway	124	21.82	1.90	176	29.30	2.38	165	27.62	2.15	54	9.10	1.21	76	12.16	1.44
Russian Federation	75	13.81	2.10	107	18.59	1.64	341	56.25	2.67	34	5.34	0.93	34	6.02	1.67
Slovenia	69	12.61	1.51	147	27.89	1.98	245	43.76	2.78	60	10.15	1.43	29	5.60	1.22
United States	108	11.58	1.19	180	17.50	1.34	617	61.87	2.03	83	7.85	0.91	12	1.19	0.42
Average of Countries	—	15.25	0.78	—	23.34	0.86	—	45.70	1.06	—	8.63	0.55	—	7.08	0.59

**Table S.120** Percent misconception and percent correct for item 17 (M032163): 2007

Country	Misconception			Correct		
	N	(A, B, D, 7, 9)	SE	N	(C)	SE
Italy	361	61.00	2.16	228	39.00	2.16
Norway	430	72.38	2.15	165	27.62	2.15
Russian Federation	250	43.75	2.67	341	56.25	2.67
Slovenia	305	56.24	2.78	245	43.76	2.78
United States	383	38.13	2.03	617	61.87	2.03
Average of Countries	—	54.30	1.06	—	45.70	1.06

**Table S.121** Percent misconception and percent correct for item 17 (M032163), by gender: 2007

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(A, B, D, 7, 9)	SE	N	(C)	SE	N	(A, B, D, 7, 9)	SE	N	(C)	SE
Italy	186	66.92	2.84	96	33.08	2.84	175	55.43	2.90	132	44.57	2.90
Norway	210	72.73	3.14	79	27.27	3.14	220	72.05	2.81	86	27.95	2.81
Russian Federation	125	44.17	3.75	177	55.83	3.75	125	43.36	3.60	164	56.64	3.60
Slovenia	158	55.21	3.63	133	44.79	3.63	147	57.38	3.99	112	42.62	3.99
United States	194	36.91	2.62	329	63.09	2.62	189	39.48	2.59	288	60.52	2.59
Average of Countries	—	55.19	1.44	—	44.81	1.44	—	53.54	1.44	—	46.46	1.44

**Table S.122** Trends in percent misconception for item 17 (M032163): 2003, 2007

Country	2007			2003		
	N	Misconception (A, B, D, 7, 9)	SE	N	Misconception (A, B, D, 7, 9)	SE
Italy	361	61.00	2.16	203	55.96	3.23
Norway	430	72.38	2.15	241	70.20	2.45
Russian Federation	250	43.75	2.67	154	40.47	2.65
Slovenia	305	56.24	2.78	180	59.22	2.92
United States	383	38.13	2.03	296	40.60	2.08
Average of Countries	—	54.30	1.06	—	53.29	1.20

**Table S.123** Percent distribution for item 18 (M022042): 1999

Country	A			B			C			D			Correct (E)			Invalid		
	N		SE	N		SE	N		SE	N		SE	N		SE	N		SE
Italy	56	15.43	1.67	53	14.25	1.83	61	17.09	1.99	40	10.56	1.68	161	42.67	3.12	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Russian Federation	40	8.61	1.62	44	9.25	1.77	53	10.30	1.49	29	5.90	1.72	336	65.94	3.42	—	—	—
Slovenia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
United States	126	11.02	1.20	152	13.20	1.11	169	14.41	1.16	140	12.01	0.94	528	49.30	2.30	1	0.06	0.06
Average of Countries	—	11.69	0.87	—	12.23	0.92	—	13.93	0.92	—	9.49	0.86	—	52.64	1.72	—	0.02	0.02

**Table S.124** Percent misconception and percent correct for item 18 (M022042): 1999

Country	Misconception (A, B, C, D, 7, 9)			Correct (E)		
	N		SE	N		SE
Italy	210	57.33	3.12	161	42.67	3.12
Norway	—	—	—	—	—	—
Russian Federation	166	34.06	3.42	336	65.94	3.42
Slovenia	—	—	—	—	—	—
United States	588	50.70	2.30	528	49.30	2.30
Average of Countries	—	47.36	1.72	—	52.64	1.72

**Table S.125** Percent misconception and percent correct for item 18 (M022042), by gender: 1999

Country	Female						Male					
	Misconception (A, B, C, D, 7, 9)			Correct (E)			Misconception (A, B, C, D, 7, 9)			Correct (E)		
	N		SE	N		SE	N		SE	N		SE
Italy	106	55.25	4.21	88	44.75	4.21	104	59.52	3.97	73	40.48	3.97
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Russian Federation	82	32.73	4.04	175	67.27	4.04	84	35.43	4.35	161	64.57	4.35
Slovenia	—	—	—	—	—	—	—	—	—	—	—	—
United States	321	51.91	3.01	268	48.09	3.01	267	49.38	2.87	260	50.62	2.87
Average of Countries	—	46.63	2.19	—	53.37	2.19	—	48.11	2.18	—	51.89	2.18

**Table S.126** Percent distribution for item 19 (M012046): 1999

Country	A			B			C			Correct (D)			Invalid		
	N		SE	N		SE	N		SE	N		SE	N		SE
Italy	215	19.54	1.27	171	15.31	1.35	229	20.44	1.64	498	44.71	2.35	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Russian Federation	310	19.71	1.65	82	5.05	0.95	87	5.71	0.87	1,055	68.83	2.53	8	0.70	0.42
Slovenia	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
United States	698	20.16	1.01	361	10.39	0.72	385	11.39	0.64	1,873	58.06	1.68	—	—	—
Average of Countries	—	19.80	0.77	—	10.25	0.60	—	12.51	0.65	—	57.20	1.28	—	0.23	0.14

**Table S.127** Percent misconception and percent correct for item 19 (M012046): 1999

Country	Misconception (A, B, C, 7, 9)			Correct (D)		
	N		SE	N		SE
Italy	615	55.29	2.35	498	44.71	2.35
Norway	—	—	—	—	—	—
Russian Federation	487	31.17	2.53	1,055	68.83	2.53
Slovenia	—	—	—	—	—	—
United States	1,444	41.94	1.68	1,873	58.06	1.68
Average of Countries	—	42.80	1.28	—	57.20	1.28

**Table S.128** Percent misconception and percent correct for item 19 (M012046), by gender: 1999

Country	Female						Male					
	Misconception (A, B, C, 7, 9)			Correct (D)			Misconception (A, B, C, 7, 9)			Correct (D)		
	N		SE	N		SE	N		SE	N		SE
Italy	304	55.43	2.72	247	44.57	2.72	311	55.15	2.83	251	44.85	2.83
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Russian Federation	219	26.37	3.00	583	73.63	3.00	268	36.32	2.81	472	63.68	2.81
Slovenia	—	—	—	—	—	—	—	—	—	—	—	—
United States	762	42.26	1.65	955	57.74	1.65	682	41.62	2.30	918	58.38	2.30
Average of Countries	—	41.35	1.46	—	58.65	1.46	—	44.36	1.53	—	55.64	1.53

**Table S.129** Trends in percent misconception for item 19 (M012046): 1995, 1999

Country	1999			1995		
	N	Misconception (A, B, C, 7, 9)	SE	N	Misconception (A, B, C, 7, 9)	SE
Italy	615	55.29	2.35	—	—	—
Norway	—	—	—	721	65.21	1.62
Russian Federation	487	31.17	2.53	513	36.07	2.83
Slovenia	—	—	—	548	55.33	2.13
United States	1,444	41.94	1.68	1,405	51.99	2.19
Average of Countries	—	42.80	1.28	—	52.15	1.12

**Table S.130** Percent distribution for item 20 (M012029): 2003

Country	A			B			C			D			Correct (E)			Invalid			Omitted		
	N	SE		N	SE		N	SE		N	SE		N	SE		N	SE		N	SE	
Italy	30	4.02	0.71	31	4.10	0.77	66	9.49	1.30	131	18.56	1.74	376	51.66	2.33	22	2.71	0.68	75	9.45	1.22
Norway	56	8.27	1.26	30	4.04	0.77	115	17.66	1.70	143	21.10	1.69	272	40.47	1.89	4	0.42	0.22	54	8.04	1.16
Russian Federation	28	3.99	0.68	23	3.13	0.81	38	4.87	0.80	83	9.55	1.32	545	68.99	2.43	26	3.31	0.59	41	6.16	1.22
Slovenia	28	5.08	1.08	28	4.96	1.01	52	8.25	1.15	117	19.15	1.70	324	53.14	2.26	15	2.57	0.73	43	6.85	1.25
United States	50	3.51	0.61	54	3.68	0.57	110	7.15	0.76	245	16.69	1.32	989	68.05	1.68	1	0.04	0.04	16	0.90	0.26
Average of Countries	—	4.98	0.41	—	3.98	0.36	—	9.48	0.53	—	17.01	0.70	—	56.46	0.96	—	1.81	0.24	—	6.28	0.49

**Table S.131** Percent misconception and percent correct for item 20 (M012029): 2003

Country	Misconception (A, B, C, D, 7, 9)			Correct (E)		
	N	SE		N	SE	
Italy	355	48.34	2.33	376	51.66	2.33
Norway	402	59.53	1.89	272	40.47	1.89
Russian Federation	239	31.01	2.43	545	68.99	2.43
Slovenia	283	46.86	2.26	324	53.14	2.26
United States	476	31.95	1.68	989	68.05	1.68
Average of Countries	—	43.54	0.96	—	56.46	0.96



**Table S.132** Percent misconception and percent correct for item 20 (M012029), by gender: 2003

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(A, B, C, D, 7, 9)	SE	N	(E)	SE	N	(A, B, C, D, 7, 9)	SE	N	(E)	SE
Italy	178	49.80	2.90	169	50.20	2.90	177	47.02	3.01	207	52.98	3.01
Norway	189	58.05	2.84	142	41.95	2.84	213	60.88	3.04	130	39.12	3.04
Russian Federation	127	32.64	2.68	278	67.36	2.68	112	29.35	3.87	267	70.65	3.87
Slovenia	126	41.65	2.96	177	58.35	2.96	157	51.95	3.06	147	48.05	3.06
United States	254	33.47	2.11	507	66.53	2.11	222	30.31	2.14	482	69.69	2.14
Average of Countries	—	43.12	1.21	—	56.88	1.21	—	43.90	1.37	—	56.10	1.37

**Table S.133** Trends in percent misconception for item 20 (M012029): 1995, 1999, 2003

Country	2003			1999			1995		
	Misconception			Misconception			Misconception		
	N	(A, B, C, D, 7, 9)	SE	N	(A, B, C, D, 7, 9)	SE	N	(A, B, C, D, 7, 9)	SE
Italy	355	48.34	2.33	532	45.70	2.05	—	—	—
Norway	402	59.53	1.89	—	—	—	538	47.62	1.52
Russian Federation	239	31.01	2.43	398	25.68	1.42	398	27.35	2.13
Slovenia	283	46.86	2.26	—	—	—	382	38.54	1.78
United States	476	31.95	1.68	1,190	34.08	1.28	999	37.08	1.75
Average of Countries	—	43.54	0.96	—	35.16	0.93	—	37.65	0.90

**Table S.134** Percent distribution for item 21 (M041125): 2015

Country	Correct			N	B	SE	N	C	SE	N	D	SE	N	Omitted	SE
	N	(A)	SE												
Italy	269	44.52	2.59	148	22.57	2.14	70	11.59	1.60	80	12.37	1.57	51	8.95	1.64
Norway	155	28.00	1.99	164	26.32	2.17	95	17.03	1.63	100	16.24	1.75	68	12.42	1.37
Russian Federation	451	62.93	2.08	127	18.20	1.34	39	5.38	1.11	68	9.63	1.11	28	3.87	0.85
Slovenia	248	38.76	2.20	134	20.58	1.74	57	9.86	1.45	117	17.80	1.72	82	13.00	1.63
United States	749	52.16	1.40	335	23.77	1.20	131	8.87	0.77	188	13.48	0.93	23	1.71	0.35
Average of Countries	—	45.27	0.93	—	22.29	0.79	—	10.55	0.60	—	13.90	0.65	—	7.99	0.57

**Table S.135** Percent misconception and percent correct for item 21 (M041125): 2015

Country	Misconception			Correct		
	N	(B, C, D, 9)	SE	N	(A)	SE
Italy	349	55.48	2.59	269	44.52	2.59
Norway	427	72.00	1.99	155	28.00	1.99
Russian Federation	262	37.07	2.08	451	62.93	2.08
Slovenia	390	61.24	2.20	248	38.76	2.20
United States	677	47.84	1.40	749	52.16	1.40
Average of Countries	—	54.73	0.93	—	45.27	0.93

**Table S.136** Percent misconception and percent correct for item 21 (M041125), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(B, C, D, 9)	SE	N	(A)	SE	N	(B, C, D, 9)	SE	N	(A)	SE
Italy	180	59.00	3.72	122	41.00	3.72	169	52.16	3.16	147	47.84	3.16
Norway	209	74.53	3.07	64	25.47	3.07	218	69.73	3.02	91	30.27	3.02
Russian Federation	125	34.01	2.82	243	65.99	2.82	137	40.13	3.41	208	59.87	3.41
Slovenia	204	62.58	2.97	119	37.42	2.97	186	59.85	2.99	129	40.15	2.99
United States	350	48.88	2.17	382	51.12	2.17	327	46.73	2.05	367	53.27	2.05
Average of Countries	—	55.80	1.34	—	44.20	1.34	—	53.72	1.32	—	46.28	1.32

**Table S.137** Trends in percent misconception for item 21 (M041125): 2007, 2011, 2015

Country	2015			2011			2007		
	N	Misconception (B, C, D, 9)	SE	N	Misconception (B, C, D, 9)	SE	N	Misconception (B, C, D, 9)	SE
Italy	349	55.48	2.59	301	49.11	2.21	330	52.56	2.22
Norway	427	72.00	1.99	299	70.04	2.46	418	75.09	1.88
Russian Federation	262	37.07	2.08	270	42.22	2.37	261	43.03	2.61
Slovenia	390	61.24	2.20	433	69.24	2.08	427	68.25	1.83
United States	677	47.84	1.40	823	45.75	1.50	533	47.30	1.43
Average of Countries	—	54.73	0.93	—	55.27	0.96	—	57.25	0.91

**Table S.138** Percent distribution for item 22 (M031227): 2007

Country	Correct						Incorrect					
	N	(10)	SE	N	(19)	SE	N	(79)	SE	N	Omitted	SE
Italy	125	19.48	1.76	15	2.31	0.49	290	46.67	2.09	203	31.54	2.19
Norway	45	6.68	1.15	12	2.52	0.85	313	54.90	2.14	198	35.90	2.25
Russian Federation	126	19.96	2.91	27	3.33	0.71	323	54.44	2.73	155	22.28	2.29
Slovenia	39	5.69	0.77	12	1.84	0.50	396	63.42	2.04	173	29.05	1.94
United States	176	16.30	1.15	68	6.36	0.87	782	70.27	1.53	79	7.07	0.78
Average of Countries	—	13.62	0.77	—	3.27	0.32	—	57.94	0.96	—	25.17	0.88

**Table S.139** Percent misconception and percent correct for item 22 (M031227): 2007

Country	Misconception			Correct		
	N	(79, 99)	SE	N	(10, 19)	SE
Italy	493	78.21	1.73	140	21.79	1.73
Norway	511	90.80	1.44	57	9.20	1.44
Russian Federation	478	76.71	3.15	153	23.29	3.15
Slovenia	569	92.47	0.83	51	7.53	0.83
United States	861	77.34	1.39	244	22.66	1.39
Average of Countries	—	83.11	0.84	—	16.89	0.84

**Table S.140** Percent misconception and percent correct for item 22 (M031227), by gender: 2007

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(79, 99)	SE	N	(10, 19)	SE	N	(79, 99)	SE	N	(10, 19)	SE
Italy	254	79.02	2.64	70	20.98	2.64	239	77.34	2.27	70	22.66	2.27
Norway	231	91.13	1.91	23	8.87	1.91	280	90.54	1.95	34	9.46	1.95
Russian Federation	229	74.46	4.38	77	25.54	4.38	249	78.79	2.95	76	21.21	2.95
Slovenia	299	93.61	1.27	23	6.39	1.27	270	91.27	1.34	28	8.73	1.34
United States	455	78.03	2.12	122	21.97	2.12	406	76.56	1.53	122	23.44	1.53
Average of Countries	—	83.25	1.20	—	16.75	1.20	—	82.90	0.93	—	17.10	0.93

**Table S.141** Trends in percent misconception for item 22 (M031227): 2003, 2007

Country	2007			2003		
	N	Misconception (79, 99)	SE	N	Misconception (79, 99)	SE
Italy	493	78.21	1.73	817	78.79	2.35
Norway	511	90.80	1.44	983	94.12	0.91
Russian Federation	478	76.71	3.15	881	91.72	1.19
Slovenia	569	92.47	0.83	715	92.06	1.01
United States	861	77.34	1.39	2,056	83.53	1.10
Average of Countries	—	83.11	0.84	—	88.04	0.63

**Table S.142** Percent distribution for item 23 (M031251): 2011

Country	N	Misconception			Correct			N	C	SE	N	D	SE	N	Omitted	SE
		A	SE	(B)	SE											
Italy	105	17.42	1.47	318	53.30	2.08	72	11.90	1.35	58	9.35	1.29	50	8.03	1.06	
Norway	98	23.28	2.47	133	31.85	2.91	82	18.69	1.99	53	11.59	1.79	58	14.60	2.06	
Russian Federation	86	13.90	1.23	395	63.19	1.76	64	10.24	1.09	52	8.42	1.06	27	4.24	0.87	
Slovenia	141	21.42	2.16	255	40.16	2.58	104	17.57	2.15	75	10.59	1.54	68	10.26	1.37	
United States	275	15.85	1.19	1,147	63.95	1.52	173	10.26	0.91	139	8.15	0.90	32	1.79	0.43	
Average of Countries	—	18.37	0.80	—	50.49	1.00	—	13.73	0.70	—	9.62	0.60	—	7.79	0.57	

**Table S.143** Percent misconception and percent correct for item 23 (M031251): 2011

Country	Misconception			Correct		
	N	(A, C, D, 9)	SE	N	(B)	SE
Italy	285	46.70	2.08	318	53.30	2.08
Norway	291	68.15	2.91	133	31.85	2.91
Russian Federation	229	36.81	1.76	395	63.19	1.76
Slovenia	388	59.84	2.58	255	40.16	2.58
United States	619	36.05	1.52	1,147	63.95	1.52
Average of Countries	—	49.51	1.00	—	50.49	1.00

**Table S.144** Percent misconception and percent correct for item 23 (M031251), by gender: 2011

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(A, C, D, 9)	SE	N	(B)	SE	N	(A, C, D, 9)	SE	N	(B)	SE
Italy	147	46.42	2.98	163	53.58	2.98	138	46.99	2.87	155	53.01	2.87
Norway	153	73.58	3.30	55	26.42	3.30	138	62.87	4.06	78	37.13	4.06
Russian Federation	107	35.31	2.66	199	64.69	2.66	122	38.17	2.58	196	61.83	2.58
Slovenia	202	61.98	4.07	122	38.02	4.07	186	57.69	3.49	133	42.31	3.49
United States	322	37.29	1.96	558	62.71	1.96	297	34.80	2.24	589	65.20	2.24
Average of Countries	—	50.92	1.37	—	49.08	1.37	—	48.10	1.39	—	51.90	1.39

**Table S.145** Trends in percent misconception for item 23 (M031251): 2003, 2007, 2011

Country	2011			2007			2003		
	Misconception			Misconception			Misconception		
	N	(A, C, D, 9)	SE	N	(A, C, D, 9)	SE	N	(A, C, D, 9)	SE
Italy	285	46.70	2.08	279	44.56	1.99	197	54.51	2.91
Norway	291	68.15	2.91	385	67.14	1.66	245	68.41	2.48
Russian Federation	229	36.81	1.76	202	35.22	2.46	151	48.07	2.91
Slovenia	388	59.84	2.58	339	55.42	2.12	159	64.19	3.11
United States	619	36.05	1.52	450	40.31	1.65	396	47.28	2.05
Average of Countries	—	49.51	1.00	—	48.53	0.89	—	56.49	1.21

**Table S.146** Percent distribution for item 24 (M041124): 2015

Country	Correct (10)			Incorrect (70)			Incorrect (71)			Incorrect (79)			Omitted		
	N	(10)	SE	N	(70)	SE	N	(71)	SE	N	(79)	SE	N	Omitted	SE
Italy	365	59.33	2.41	28	4.55	0.99	57	8.12	1.24	132	21.91	1.98	40	6.09	1.33
Norway	276	47.27	2.48	41	8.59	1.38	28	3.77	0.80	206	33.39	2.26	42	6.99	1.21
Russian Federation	566	80.58	1.75	41	5.59	0.81	16	2.68	0.62	68	9.43	1.60	13	1.72	0.49
Slovenia	356	57.24	1.99	39	6.55	1.07	22	3.69	0.99	157	24.26	2.01	53	8.26	1.33
United States	954	66.27	1.59	100	6.45	0.78	58	4.13	0.59	304	21.10	1.23	26	2.06	0.45
Average of Countries	—	62.14	0.93	—	6.34	0.46	—	4.48	0.40	—	22.02	0.83	—	5.02	0.47

**Table S.147** Percent misconception and percent correct for item 24 (M041124): 2015

Country	Misconception			Correct		
	N	(70, 71, 79, 99)	SE	N	(10)	SE
Italy	257	40.67	2.41	365	59.33	2.41
Norway	317	52.73	2.48	276	47.27	2.48
Russian Federation	138	19.42	1.75	566	80.58	1.75
Slovenia	271	42.76	1.99	356	57.24	1.99
United States	488	33.73	1.59	954	66.27	1.59
Average of Countries	—	37.86	0.93	—	62.14	0.93

**Table S.148** Percent misconception and percent correct for item 24 (M041124), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(70, 71, 79, 99)	SE	N	(10)	SE	N	(70, 71, 79, 99)	SE	N	(10)	SE
Italy	129	40.73	3.25	175	59.27	3.25	128	40.62	3.67	190	59.38	3.67
Norway	159	52.36	3.27	150	47.64	3.27	158	53.12	3.50	126	46.88	3.50
Russian Federation	57	17.67	2.24	285	82.33	2.24	81	21.06	2.52	281	78.94	2.52
Slovenia	111	38.92	3.33	167	61.08	3.33	160	45.82	2.57	189	54.18	2.57
United States	242	30.45	2.29	511	69.55	2.29	246	37.32	2.32	443	62.68	2.32
Average of Countries	—	36.03	1.31	—	63.97	1.31	—	39.59	1.33	—	60.41	1.33

**Table S.149** Trends in percent misconception for item 24 (M041124): 2007, 2011, 2015

Country	2015			2011			2007		
	N	(70, 71, 79, 99)	SE	N	(70, 71, 79, 99)	SE	N	(70, 71, 79, 99)	SE
Italy	257	40.67	2.41	278	46.75	2.13	267	42.43	2.25
Norway	317	52.73	2.48	243	58.09	3.47	358	65.22	2.17
Russian Federation	138	19.42	1.75	185	29.88	2.57	199	35.28	2.71
Slovenia	271	42.76	1.99	306	46.89	2.04	304	49.89	2.46
United States	488	33.73	1.59	595	31.63	1.44	391	35.64	1.79
Average of Countries	—	37.86	0.93	—	42.65	1.08	—	45.69	1.03

**Table S.150** Percent distribution for item 25 (M061254): 2015

Country	Correct			Incorrect			Incorrect			Omitted		
	N	(10)	SE	N	(70)	SE	N	(79)	SE	N		SE
Italy	334	51.44	2.74	110	19.56	2.14	140	23.81	2.23	34	5.20	1.15
Norway	247	42.44	2.35	127	21.47	1.83	187	29.95	1.94	41	6.15	0.89
Russian Federation	515	72.19	2.28	93	13.25	1.64	89	12.25	1.56	16	2.31	0.61
Slovenia	282	45.23	2.44	104	16.37	1.44	173	30.71	2.21	55	7.70	1.13
United States	792	54.49	1.79	227	16.81	1.16	394	26.85	1.26	27	1.85	0.38
Average of Countries	—	53.16	1.05	—	17.49	0.75	—	24.71	0.84	—	4.64	0.40

**Table S.151** Percent misconception and percent correct for item 25 (M061254): 2015

Country	Misconception			Correct		
	N	(70, 79, 99)	SE	N	(10)	SE
Italy	284	48.56	2.74	334	51.44	2.74
Norway	355	57.56	2.35	247	42.44	2.35
Russian Federation	198	27.81	2.28	515	72.19	2.28
Slovenia	332	54.77	2.44	282	45.23	2.44
United States	648	45.51	1.79	792	54.49	1.79
Average of Countries	—	46.84	1.05	—	53.16	1.05

**Table S.152** Percent misconception and percent correct for item 25 (M061254), by gender: 2015

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(70, 79, 99)	SE	N	(10)	SE	N	(70, 79, 99)	SE	N	(10)	SE
Italy	137	49.73	3.49	157	50.27	3.49	147	47.48	3.59	177	52.52	3.59
Norway	179	61.02	3.57	119	38.98	3.57	176	54.50	3.55	128	45.50	3.55
Russian Federation	83	25.52	2.88	255	74.48	2.88	115	29.84	2.83	260	70.16	2.83
Slovenia	163	58.23	3.11	125	41.77	3.11	169	51.60	3.07	157	48.40	3.07
United States	322	45.65	2.24	379	54.35	2.24	326	45.37	2.70	413	54.63	2.70
Average of Countries	—	48.03	1.38	—	51.97	1.38	—	45.76	1.42	—	54.24	1.42

**Table S.153** Percent distribution for item 26 (M031242A): 2007

Country	Correct			Incorrect			Incorrect			Incorrect			Omitted		
	N	(10)	SE	N	(70)	SE	N	(71)	SE	N	(79)	SE	N	Omitted	SE
Italy	404	64.08	2.05	30	4.76	0.95	11	1.80	0.58	93	14.46	1.50	100	14.90	1.46
Norway	318	54.73	2.43	42	6.91	1.04	19	2.95	0.79	105	20.67	2.09	100	14.73	1.48
Russian Federation	428	63.60	2.80	24	3.69	0.89	12	1.90	0.72	56	9.18	1.61	122	21.64	2.03
Slovenia	377	60.88	2.16	40	6.09	1.05	22	3.38	0.67	114	18.18	1.75	66	11.46	1.37
United States	697	62.69	2.03	69	5.44	0.66	26	2.08	0.39	117	10.51	1.05	220	19.28	1.58
Average of Countries	—	61.20	1.03	—	5.38	0.42	—	2.42	0.29	—	14.60	0.73	—	16.40	0.72

**Table S.154** Percent misconception and percent correct for item 26 (M031242A): 2007

Country	Misconception			Correct		
	N	(79, 99)	SE	N	(10)	SE
Italy	193	29.36	2.07	404	64.08	2.05
Norway	205	35.41	2.38	318	54.73	2.43
Russian Federation	178	30.82	2.65	428	63.60	2.80
Slovenia	180	29.64	1.98	377	60.88	2.16
United States	337	29.79	1.83	697	62.69	2.03
Average of Countries	—	31.00	0.98	—	61.20	1.03

**Table S.155** Percent misconception and percent correct for item 26 (M031242A), by gender: 2007

Country	Female						Male					
	Misconception			Correct			Misconception			Correct		
	N	(79, 99)	SE	N	(10)	SE	N	(79, 99)	SE	N	(10)	SE
Italy	112	32.95	2.80	190	61.87	2.81	81	25.82	2.95	214	66.26	3.07
Norway	115	43.16	3.50	134	47.24	3.46	90	28.50	3.11	184	61.42	3.20
Russian Federation	80	27.62	3.76	221	67.47	3.85	98	33.69	3.25	207	60.11	3.31
Slovenia	97	31.56	2.87	190	59.48	2.97	83	27.61	2.81	187	62.36	3.12
United States	171	28.72	2.28	364	63.49	2.50	166	30.94	2.44	333	61.83	2.66
Average of Countries	—	32.80	1.38	—	59.91	1.41	—	29.31	1.31	—	62.40	1.38



**Table S.156** Trends in percent misconception for item 26 (M031242A): 2003, 2007

Country	2007			2003		
	N	Misconception (79, 99)	SE	N	Misconception (79, 99)	SE
Italy	193	29.36	2.07	129	33.87	2.70
Norway	205	35.41	2.38	144	38.20	2.76
Russian Federation	178	30.82	2.65	140	44.98	3.78
Slovenia	180	29.64	1.98	121	42.58	3.43
United States	337	29.79	1.83	297	34.09	2.17
Average of Countries	—	31.00	0.98	—	38.74	1.35

**Table S.157** Percent distribution for item 27 (M031247): 2007

Country	Correct			Partially Correct			Partially Correct			Incorrect			Incorrect			Omitted		
	N	(20)	SE	N	(10)	SE	N	(11)	SE	N	(70)	SE	N	(79)	SE	N	Omitted	SE
Italy	59	9.35	1.01	101	16.19	1.57	0	0.00	0.00	33	4.72	0.81	295	47.34	2.10	147	22.39	1.55
Norway	111	17.28	1.63	166	29.58	2.32	3	0.45	0.26	7	0.95	0.40	219	39.72	2.56	70	12.01	1.69
Russian Federation	73	11.93	2.62	194	27.82	2.32	0	0.00	0.00	11	1.62	0.63	270	44.82	3.24	92	13.82	1.90
Slovenia	90	14.69	1.60	58	9.25	1.20	3	0.55	0.32	3	0.40	0.23	409	66.14	2.10	55	8.97	1.26
United States	230	20.90	1.38	111	9.83	0.90	9	0.76	0.27	138	11.24	1.01	601	53.97	1.47	36	3.30	0.61
Average of Countries	—	14.83	0.77	—	18.54	0.79	—	0.35	0.10	—	3.79	0.30	—	50.40	1.06	—	12.10	0.66

**Table S.158** Percent misconception and percent correct for item 27 (M031247): 2007

Country	Misconception			Correct	
	N	(70, 79, 99)	SE	(Weighted)	SE
Italy	475	74.45	1.80	17.45	1.23
Norway	296	52.69	2.34	32.30	1.64
Russian Federation	373	60.25	3.68	25.84	2.97
Slovenia	467	75.51	1.74	19.59	1.56
United States	775	68.51	1.34	26.20	1.27
Average of Countries	—	66.28	1.04	24.27	0.83

**Table S.159** Percent misconception and percent correct for item 27 (M031247), by gender: 2007

Country	Female					Male				
	N	Misconception (70, 79, 99)	SE	Correct (Weighted)	SE	N	Misconception (70, 79, 99)	SE	Correct (Weighted)	SE
Italy	248	77.84	2.65	15.33	1.84	227	71.12	2.35	19.54	1.61
Norway	143	53.89	3.50	32.59	2.52	153	51.63	3.36	32.04	2.42
Russian Federation	181	58.10	4.42	27.14	3.03	192	62.21	3.86	24.65	3.39
Slovenia	256	80.11	2.22	16.67	1.98	211	70.64	2.44	22.68	2.06
United States	407	69.15	2.09	26.54	1.96	368	67.82	2.11	25.83	2.00
Average of Countries	—	67.82	1.39	23.65	1.03	—	64.69	1.30	24.95	1.06

**Table S.160** Trends in percent misconception for item 27 (M031247): 2003, 2007

Country	2007			2003		
	N	Misconception (70, 79, 99)	SE	N	Misconception (70, 79, 99)	SE
Italy	475	74.45	1.80	268	71.73	2.66
Norway	296	52.69	2.34	205	58.47	2.96
Russian Federation	373	60.25	3.68	231	70.52	3.18
Slovenia	467	75.51	1.74	199	75.29	3.09
United States	775	68.51	1.34	577	68.68	1.86
Average of Countries	—	66.28	1.04	—	68.94	1.25

**Table S.161** Percent distribution for item 28 (M051006): 2015

Country	Correct			Partially Correct			Partially Correct			Incorrect			N	Omitted	SE
	N	(20)	SE	N	(10)	SE	N	(11)	SE	N	(79)	SE			
Italy	83	13.48	1.86	45	7.41	1.04	40	6.00	1.07	368	59.59	2.80	95	13.53	1.66
Norway	78	13.94	1.78	62	10.27	1.55	50	9.19	1.61	307	53.86	2.61	78	12.75	2.01
Russian Federation	172	24.29	2.27	107	14.81	1.69	42	5.82	0.63	337	48.12	2.11	48	6.97	1.23
Slovenia	91	14.78	1.45	46	7.18	0.92	48	7.80	1.06	369	59.41	2.16	69	10.84	1.48
United States	201	14.30	1.28	120	8.07	0.76	144	10.39	0.82	918	65.15	1.73	27	2.10	0.54
Average of Countries	—	16.16	0.79	—	9.55	0.56	—	7.84	0.49	—	57.22	1.03	—	9.24	0.66

**Table S.162** Percent misconception and percent correct for item 28 (M051006): 2015

Country	Misconception			Correct	
	N	(79, 99)	SE	(Weighted)	SE
Italy	463	73.11	2.19	20.18	1.90
Norway	385	66.60	2.53	34.60	2.13
Russian Federation	385	55.09	2.27	22.27	1.56
Slovenia	438	70.24	1.96	23.53	1.43
United States	945	67.24	1.76	23.67	1.90
Average of Countries	—	66.46	0.97	24.85	0.81

**Table S.163** Percent misconception and percent correct for item 28 (M051006), by gender: 2015

Country	Female					Male				
	N	Misconception (79, 99)	SE	Correct (Weighted)	SE	N	Misconception (79, 99)	SE	Correct (Weighted)	SE
Italy	234	77.17	2.66	16.46	2.21	229	69.36	3.02	23.62	2.55
Norway	202	70.38	2.93	20.16	2.29	183	62.90	3.42	27.11	2.49
Russian Federation	190	57.45	3.28	32.93	2.94	195	52.87	2.85	36.16	2.60
Slovenia	213	72.55	3.55	20.52	2.75	225	68.30	2.82	23.74	2.44
United States	508	67.58	2.36	22.99	1.81	437	66.87	2.11	24.13	1.69
Average of Countries	—	69.03	1.33	22.61	1.09	—	64.06	1.29	26.95	1.06

**Table S.164** Trends in percent misconception for item 28 (M051006): 2011, 2015

Country	2015			2011		
	N	Misconception (79, 99)	SE	N	Misconception (79, 99)	SE
Italy	463	73.11	2.19	412	67.55	2.69
Norway	385	66.60	2.53	297	66.17	2.79
Russian Federation	385	55.09	2.27	352	57.52	2.67
Slovenia	438	70.24	1.96	481	75.65	1.93
United States	945	67.24	1.76	1,240	69.55	1.30
Average of Countries	—	66.46	0.97	—	67.29	1.05