

Appendix 1: additional tables

Table A1.1 Gallup World Poll sample per country and wave (age 15-24)

	2006	2007	2008	2009	2010	2011	collecte 2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
High-income	32	21	31	29	39	41	42	42	46	46	45	45	44	44	43	42	47
Jpper mid dle-income	22	19	19	27	29	39	40	36	40	34	37	39	38	43	33	34	34
Lower middle-income Low-income	34 30	28 27	32 32	33 24	34 21	38 27	34 25	33 24	34 27	36 24	35 24	39 25	34 26	35 21	33 6	36	40
ow-income Total	118	95	114	113	123	145	141	135	147	140	141	148	142	143	115	121	138
local	110	55	114	115					147	140	141	140	142	145	115	121	130
	2006	2007	2008	2009	2010	ple size 2011	per cou 2012	ntry 2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Afghanistan			284	458	267	393	796	409	314	307	314	268	330	356		304	272
Albania	195			203	217	249	261	219	207	209	195	177	143	123	208	100	107
Ngeria					301	605	581		295		205	230	193	248	216	183	186
Angola						418	291	379	384								
Argentina	173	195	172	173	146	175	147	168	150	162	147	173	149	178	111	85	149
Armenia Australia	188 174	207 219	169 156	180	190 82	179 68	216 59	174 81	167 150	152 66	149 47	159 47	145 38	157 71	53	105 73	99 49
Austria	129	213	88	66	63	46	43	67	307	162	128	123	103	117	109	78	44
Azerbaijan	214	202	223	190	159	212	263	253	259	237	227	195	186	213	103	10	151
Bahrain				657	481	493	253	121	365	186	192	162		238	192		96
Banglade sh	265	298	230	242	239	250	614	210	217	228	204	225	261	722	412	249	268
Belarus	229	189	172	183	152	154	151	160	156	161	152	140	103	104			
Belgium	75	49	72		61	108	103	107	242	102	92	89	126	136	124	81	97
Belize		143							145								
Benin	303		273			302	336	175	321	374	323	341	368	383	262	310	316
Shutan								233	220	213							
lolivia	308	270	308	284	285	239	229	233	217	239	244	280	255	290	264	248	232
losnia and Herzegovina	381		277	174	163 336	181 285	180 299	126 230	130 242	145 251	107 223	128 224	151 246	154 289	217	190	179
lotswana krazil	287 221	203	190	221	336	285	299 398	230	242	251 163	223 173	224	248 152	269	184	137	1/9
Bulgaria	109	203	130	103	103	84	68	81	76	63	62	52	56	404 54	84	83	52
Burkina Faso	338	302	333		323	292	269	284	332	294	314	324	309	271	326	309	02
Burundi			318	291		328	200		286				298				
Cambodia	216	256	246	246	191	202	186	209	204	213	164	278	167	169	237	133	137
Cameroon	375	372	400	372	377	372	387	311	314	343	335	303	377	358	357	372	363
Canada	163	115	96	90	63	125	205	97	174	83	65	85	73	74	72	59	64
Central African Republic		339			361	280					319	308					
Chad	347	361	362	332	311	377	399	375	377	324	349	299	288	347			347
Chile	205	154	166	168	151	177	140	150	148	152	148	174	115	146	150	109	110
China, People's Republic of	431	612	545	537	553	514	1315	466	475	463	474	313	356	370	930	770	
Colombia Comoros	243	224	209	226 630	221 543	205 566	198 279	179	182	170	178	220	233 301	225 289	271	245	227 308
Congo			327	385	045	256	2/ 5	108	240	263	274	261	288	321	236	292	303
Congo, Democratic Republic of the						317	347	344	363	372	344	325	200		200	202	349
Costa Rica	256	276	264	218	267	264	243	252	235	184	176	171	135	152	152	153	132
Côte d'Ivoire				277				272	262	265	262	267	302	295	252	255	270
Croatia	176			132	155	125	127	150	224	155	181	219	132	112	108	98	115
Cuba	139																
Cyprus	135			72	151	145	77	67	288	141	117	155	139	120	119	114	98
Zech Republic	118	115		110	122	147	126	113	103	94	99	97	109		91	93	92
Denmark	86	51	70	90	92 298	82	93	101	231	107	125	122	136	131	132	168	141
Djibouti Dominican Republic	227	196	299 205	726 213	238	273 229	187	238	237	211	198	197	205	221	200	186	183
Ecuador	251	257	247	234	204	191	187	185	178	217	246	221	237	229	286	280	232
Egypt	385	284	306	493	488	1108	785	293	231	199	171	175	180	423	247	195	205
El Salvador	222	277	262	288	263	273	270	241	261	310	226	194	224	277	283	208	176
stonia	194	159	90	93		106	92	96	76	66	73	108	91	86	83	76	33
Eswatini						328							306	284			302
Ethiopia							523	312	292	291	342	288	304	662	360		304
inland	98		113		49	63	78	74	102	59	46	45	59	34	55	87	55
rance	107	165	147	95	82	68	212	82	139	54	67	66	87	89	89	93	55
Sabon						263	264	121	252	241	294	244	269	329	254	241	262
Bambia	170	154	142	129	154	158	144	149	134	140	114	311 98	296 114	387 109	181	100	3 3 2 90
Georgia Germany	1/0	154	142 447	129	154	108	144	149	134	140 94	241	98 138	114 91	109	181	41	90
Bhana	341	282	290	307	280	279	297	293	343	284	328	311	265	332	363	283	312
Breece	114	149	2.00	114	99	81	96	89	93	100	94	103	83	133	74	90	83
Guatemala	288	331	306	345	314	315	335	354	342	323	291	292	318	344			232
Guinea						286	315	338	311	261	297	309	280	330	470	320	328
Buyana		137															
laiti	173		165		163	117	115	117	136	103	95	129	127	-		_	
londuras	278	315	329	324	329	315	298	310	309	257	272	273	263	288		216	173
long Kong SAR	296	~~	223	251	283	315	274		288		143	146		119	107	111	114
Hungary	61	98	92		80	87	71	78	82	60	61	69	49	67	79	57	56
celand ndia	516	808	76	720	1405	871	104	62 1252	658	83 653	41 716	53 667	608	52 1527	55 2752	51 738	79
	516 264	808 188	457	729 164	1425 166	8/1 127	2897 576	1252 171	151	203	185	184	608 178	1527 390	2752 274	738 226	851
ndonesia ran	204 368	355	194 327	104	100	232	713	202	151 394	203	185	184	1/8	390 237	2/4 205	187	187
an aq	000	333	186	442	450	406	564	202	472	172	184	198	313	410	205	338	354
eland	79		106	46	89	76	112	95	186	129	43	115	93	112	105	92	64
srael	226	231	183	216	163	164	150	167	194	172	180	157	195	230	106	172	162
taly	116	87	78	106	85	80	173	62	157	116	115	102	90	107	63	57	42
ama ica	168		-			99		120	125			88	-	77	118	70	62
apan	53	121	212	28	61	46	126	41	69	30	44	46	53	72	64	55	66
ordan	265	349	343	679	656	616	549	292	249	266	258	273	187	236	203	185	236
(azakhstan		213	147	205	160	201	185	178	165	166	141	133	139	137	165	126	155
(enya	335	319	731	319	273	260	304	264	311	305	346	356	354	349	353	324	335
Korea, Republic of	231	188	176	210	206	250	427	151	310	131	145	91	126	77	84	97	72
Kosovo	278		263	264	309	271	233	259	266	281	217	221	260	274	328	190	200
	105			506	432	484	253	135	264	132	96	82	116	128			180
Kuwait Kyrgyz Republic	105 206	226	208	178	195	250	256	243	211	195	183	159	184	172	218	161	149

Lao P.D.R.	243	294	199			215	202					186	375	187	291	208	168
Latvia	202	181	97	93		123	166	191	131	119	86	70	84	101	83	117	71
Lebanon Lesotho	284	290	300	490	467	481 252	357	235	225	239	221 244	137 245	192	187 272	153	194	163 237
Liberia		312	324		284	292			312	293	334	240	357	335			350
Libya		312	324		204		271		312	171	187	212	209	239			190
Lithuania	195	195	95	73	165	131	138	161	155	125	106	207	88	137	98	74	83
Luxembourg			45		87	100	111	42	191	70	125	156	127	125			98
Madagascar	263		231			317	256	274	252	279	258	249	263	269			259
Malawi	333	369		311		351	349	327	289	341	376	348	320	366		343	374
Malaysia	305	291	219	213	272	193	179	296	498	197			148	165	314	268	160
Maldives												198					
Mali Malta	289		311 44	295	258 130	306 126	341 102	127 54	274 227	292 145	257 109	292 96	261 101	290 103	263 116	292 103	281 86
Mauritania		287	292	632	611	614	309	276	320	290	232	294	199	347	110	103	284
Mauritius		201	232	002	011	146	303	210	144	230	127	165	242	226	177	213	183
Mexico	288		223	227	199	184	429	147	203	181	189	186	227	185	148	174	191
Moldova, Republic of	119	184	219	235	196	215	195	162	170	184	191	130	146	155	158	130	141
Mongolia		199	272		252	241	201	219	191	185	186	182	161	173	243	183	168
Montenegro	179			166	194	180	226	184	130	119	137	161	138	132	180		121
Morocco					288	643	445	223	216	184	211	201	196	203	275	287	230
Mozambique	404	403	348			325				386		331	338	366		315	343
Myanmar							127	145	135	139	108	258	128	179	417	440	361
Namibia	264	264 248	005	282	0.07	204			278 251	248	253	361 201	315 264	322 588	293 367	275 251	316 225
Nepal Netherlands	204	248 67	265 69	282	237 54	46	417 74	281 68	232	248	253	85	124	588 82	46	251	82
New Ze aland	205	117	133		70	117	167	49	153	66	65	82	62	94	73	67	90
Nicaragua	200	355	354	344	328	324	317	279	269	245	228	228	248	252	354	212	173
Niger	313	351	329	337	327	372	359	338	344	329	350	316	247	266		- 1-	341
Nigeria	322	300	317	277	346		542	276		269	308	314	245	874	270	270	319
North Cyprus							80	45	387	142	147		96	165			168
North Macedonia	186			156	151	130	146	172	126	132	157	96	104	121	159	175	90
Norway	107		92				140		190	120	182	78	47	70	66	120	77
Oman						823											
Pakistan Pakastian Otata a f	204 308	423 289	674 323	899 632	324 606	253 570	899 596	294 289	263 276	255 266	271 277	410 271	271 258	263 276	274	236	232 267
Palestine, State of Panama	224	245	245	229	234	255	240	205	199	174	202	216	208	236		182	161
Paraguay	229	240	226	208	222	154	189	211	176	182	176	198	181	206	182	179	166
Peru	268	277	269	252	254	228	248	206	195	201	233	248	223	233	222	225	208
Philippines	254	217	244	208	254	221	414	212	194	211	176	198	216	422	290	329	230
Poland	106	168	133	122	129	124	114	110	77	104	102	118	126	73	91	60	88
Portugal	139		113	114	109	81	86	83	209	123	96	62	126	153	127	117	119
Puerto Rico	67								45								20
Qatar			228	364	257	438	196	_	132								
Romania	113	117		119	96	97	103	79	61	92	82	77	101	75	108	116	83
Russian Federation	389	117 583	395	363	96 612	330	479	278	253	230	249	242	242	319	108 197	211	290
Russian Federation Rwanda	389 461	583	355	363 306	612	330 311	479 272	278 104	253 291	230 273	249 275	242 237	242 237	319 201	197	211	290
Russian Federation Rwanda Saudi Arabia	389 461 263	583 325	355 271	363 306 523	612 583	330 311 633	479 272 550	278 104 311	253 291 494	230 273 252	249 275 318	242 237 237	242 237 222	319 201 220	197 252	211 262	290 190
Russian Federation Rwanda Saudi Arabia Senegal	389 461 263 281	583	355	363 306 523 360	612 583 306	330 311 633 273	479 272 550 290	278 104 311 289	253 291 494 313	230 273 252 330	249 275 318 302	242 237 237 305	242 237 222 306	319 201 220 320	197 252 290	211 262 276	290 190 306
Russian Federation Rwanda Saudi Arabia	389 461 263	583 325	355 271	363 306 523	612 583	330 311 633	479 272 550	278 104 311	253 291 494	230 273 252	249 275 318	242 237 237	242 237 222	319 201 220	197 252	211 262	290 190
Russian Federation Rwanda Saudi Arabia Senegal Serbia	389 461 263 281 188	583 325 332	355 271 310	363 306 523 360	612 583 306 93	330 311 633 273 121	479 272 550 290	278 104 311 289 99	253 291 494 313 111	230 273 252 330 145	249 275 318 302 105	242 237 237 305 82	242 237 222 306 111	319 201 220 320 82	197 252 290	211 262 276 165	290 190 308 110
Russian Federation Rwanda Saudi Arabia Senegal Serbia Sierra Leone Singapore Siovak Republic	389 481 283 281 188 315 183 127	583 325 332 344	355 271 310 342	363 306 523 360 114 181	612 583 306 93 309 161 104	330 311 633 273 121 300 139 105	479 272 550 290 92 139 113	278 104 311 289 99 319 105	253 291 494 313 111 316 184 91	230 273 252 330 145 286 132 82	249 275 318 302 105 278 129 96	242 237 237 305 82 325 108 92	242 237 222 306 111 324 133 104	319 201 220 320 82 377 141 84	197 252 290 192 115	211 262 276 165 306 139 108	290 190 306 110 330 124 58
Russian Federation Rwanda Saudi Arabia Senegal Serbia Sierra Leone Singapore Silo varia	389 461 263 281 188 315 183	583 325 332 344	355 271 310 342	363 306 523 360 114	612 583 306 93 309 161	330 311 633 273 121 300 139	479 272 550 290 92 139	278 104 311 289 99 319	253 291 494 313 111 316 184 91 147	230 273 252 330 145 286 132 82 74	249 275 318 302 105 278 129 96 60	242 237 237 305 82 325 108	242 237 222 306 111 324 133	319 201 220 320 82 377 141	197 252 290 192	211 262 276 165 306 139	290 190 306 110 330 124
Russian Federation Rwanda Saudi Arabia Senegal Serbia Sierra Leone Singapore Slovak Republic Slovenia Somala	389 461 263 281 188 315 183 127 167	583 325 332 344 158	355 271 310 342 403	363 306 523 360 114 181 56	612 583 306 93 309 161 104 95	330 311 633 273 121 300 139 105 95	479 272 550 290 92 139 113 107	278 104 311 289 99 319 105 93	253 291 494 313 111 316 184 91 147 223	230 273 252 330 145 288 132 82 74 339	249 275 318 302 105 278 129 96 60 371	242 237 237 305 82 325 108 92 45	242 237 222 306 111 324 133 104 38	319 201 220 320 82 377 141 84 23	197 252 290 192 115 20	211 262 276 165 306 139 108 69	290 190 306 110 330 124 58 57
Russian Federation Rwanda Saudi Arabia Senegal Sierra Leone Singapore Slo vak Republic Slo vak Republic Slo vania Somala South Africa	389 481 283 281 188 315 183 127	583 325 332 344	355 271 310 342	363 306 523 360 114 181	612 583 306 93 309 161 104	330 311 633 273 121 300 139 105	479 272 550 290 92 139 113	278 104 311 289 99 319 105	253 291 494 313 111 316 184 91 147 223 231	230 273 252 330 145 286 132 82 74 339 276	249 275 318 302 105 278 129 96 60 371 293	242 237 305 82 325 108 92 45 258	242 237 222 306 111 324 133 104	319 201 220 320 82 377 141 84	197 252 290 192 115	211 262 276 165 306 139 108	290 190 306 110 330 124 58
Russian Federation Rwanda Saudi Arabia Senegal Serbia Sierra Leone Singapore Slo vak Republic Slo vania Somata South A frica South A frica	389 481 283 281 188 315 183 127 167 233	583 325 332 344 158 189	355 271 310 342 403 325	383 306 523 380 114 181 58 280	612 583 306 93 309 161 104 95 280	330 311 633 273 121 300 139 105 95 236	479 272 550 290 92 139 113 107 475	278 104 311 289 99 319 105 93 264	253 291 494 313 111 316 184 91 147 223 231 323	230 273 252 330 145 288 132 82 74 339 278 323	249 275 318 302 105 278 129 96 60 371 293 341	242 237 305 82 325 108 92 45 258 360	242 237 222 306 111 324 133 104 38 249	319 201 220 320 82 377 141 84 23 267	197 252 290 192 115 20 314	211 262 276 165 306 139 108 69 223	290 190 306 110 330 124 58 57 232
Russian Federation Rwanda Saudi Arabia Senegal Sierra Leone Singapore Siovak Republic Siovenia South A frica South A frica Sopai	389 461 263 281 188 315 183 127 167 233 135	583 325 332 344 158 189 121	355 271 310 342 403 325 115	363 306 523 360 114 181 56	612 583 306 93 309 161 104 95 280 120	330 311 633 273 121 300 139 105 95 236 93	479 272 550 290 92 139 113 107 475 213	278 104 311 289 99 319 105 93 264 110	253 291 494 313 111 316 184 91 147 223 231 323 179	230 273 252 330 145 288 132 82 74 339 276 323 158	249 275 318 302 105 278 129 96 60 371 293	242 237 305 82 325 108 92 45 258 360 119	242 237 222 306 111 324 133 104 38 249 116	319 201 220 320 82 377 141 84 23 267 123	197 252 290 192 115 20 314 82	211 262 276 165 306 139 108 69 223 72	290 190 308 110 330 124 58 57 232 50
Russian Federation Rwanda Saudi Arabia Senegal Serbia Sierra Leone Singapore Slo vak Republic Slo vania Somata South A frica South A frica	389 481 283 281 188 315 183 127 167 233	583 325 332 344 158 189	355 271 310 342 403 325	363 306 523 360 114 181 56 260 121	612 583 306 93 309 161 104 95 280	330 311 633 273 121 300 139 105 95 236	479 272 550 290 92 139 113 107 475	278 104 311 289 99 319 105 93 264	253 291 494 313 111 316 184 91 147 223 231 323	230 273 252 330 145 288 132 82 74 339 278 323	249 275 318 302 105 278 129 96 60 371 293 341	242 237 305 82 325 108 92 45 258 360	242 237 222 306 111 324 133 104 38 249	319 201 220 320 82 377 141 84 23 267	197 252 290 192 115 20 314	211 262 276 165 306 139 108 69 223	290 190 306 110 330 124 58 57 232
Russian Federation Rwanda Saudi Arabia Senegal Serbia Sierra Leone Singapore Siovark Republic Siovark Republic Siovania South Africa South Africa South Sudan Spain Spain Sri Lanka	389 461 263 281 188 315 183 127 167 233 135	583 325 332 344 158 189 121	355 271 310 342 403 325 115	363 306 523 360 114 181 56 260 121 186	612 583 306 93 309 161 104 95 280 120 173	330 311 633 273 121 300 139 105 95 236 93 150	479 272 550 290 92 139 113 107 475 213 285	278 104 311 289 99 319 105 93 264 110	253 291 494 313 111 316 184 91 147 223 231 323 179 129	230 273 252 330 145 288 132 82 74 339 276 323 158	249 275 318 302 105 278 129 96 60 371 293 341	242 237 305 82 325 108 92 45 258 360 119	242 237 222 306 111 324 133 104 38 249 116	319 201 220 320 82 377 141 84 23 267 123	197 252 290 192 115 20 314 82	211 262 276 165 306 139 108 69 223 72	290 190 308 110 330 124 58 57 232 50
Russian Federation Rwanda Saudi Arabia Senegal Serbia Sierra Leone Singapore Slo varia So varia Sowata South A frica South A frica South A frica South Sudan Spain Sri Lanka Sudan	389 461 263 281 188 315 183 127 167 233 135	583 325 332 344 158 189 121	355 271 310 342 403 325 115	363 306 523 360 114 181 56 260 121 186	612 583 306 93 309 161 104 95 280 120 173	330 311 633 273 121 300 139 105 95 236 93 150	479 272 550 290 92 139 113 107 475 213 285 216 99 88	278 104 311 289 99 319 105 93 264 110	253 291 494 313 111 316 184 91 147 223 231 323 179 129	230 273 252 330 145 288 132 82 74 339 276 323 158	249 275 318 302 105 278 129 96 60 371 293 341	242 237 305 82 325 108 92 45 258 360 119	242 237 222 306 111 324 133 104 38 249 116	319 201 220 320 82 377 141 84 23 267 123	197 252 290 192 115 20 314 82 289 74	211 262 276 165 306 139 108 69 223 72	290 190 308 110 330 124 58 57 232 50
Rusian Federation Rwanda Saudi Arabia Senegal Sierra Leone Singapore Siovak Republic Siovenia South & Artica South A trica South A sudan Spain Sri Lanka Sudan Suriname Switzerland	389 461 283 281 188 315 183 127 167 233 135 191	583 325 332 344 158 189 121 175	355 271 310 342 403 325 115 168 129	363 306 523 360 114 181 56 260 121 186 446 175 111	612 583 306 93 309 181 104 95 280 120 173 501 94	330 311 633 273 121 300 139 105 95 236 93 150 536 51	479 272 550 290 92 139 113 107 475 213 285 216 99 88 66	278 104 311 289 99 319 105 93 284 110 125 50	253 291 494 313 111 316 184 91 147 223 231 323 179 129 178	230 273 252 330 145 288 132 82 74 339 278 323 156 145 127 28	249 275 318 302 105 278 129 96 60 371 293 341 109	242 237 237 305 82 325 108 92 45 258 360 119 164	242 237 222 306 111 324 133 104 38 249 116 156	319 201 220 320 82 377 141 84 23 287 123 177	197 252 290 192 115 20 314 82 289	211 262 276 165 308 139 108 69 223 72 230	290 190 306 110 330 124 58 57 232 50 140
Russian Federation Rwanda Saudi Arabia Senegal Serbia Sierra Leone Singapore Slo vak Republic Slo venia South A trica South A trica South Sudan Spain Sri Lanka Sudan Suriname Switzerland Syrian Arab Republic	389 461 263 281 188 315 183 127 167 233 135 191 101 129	583 325 332 344 158 189 121 175	355 271 310 342 403 325 115 168 129 472	383 308 523 380 114 181 56 280 121 186 446 175	612 583 306 93 309 181 104 95 280 120 173 501 94 670	330 311 633 273 121 300 139 105 95 238 93 150 538 51 652	479 272 550 290 92 139 113 107 475 213 285 216 99 88 68 68	278 104 311 289 99 319 105 93 284 110 125 50 378	253 291 494 313 111 316 184 91 147 223 231 323 179 129 178 289 161	230 273 252 330 145 286 132 82 74 339 276 323 156 145 127 28 371	249 275 318 302 105 278 129 96 60 371 293 341 109 70 113	242 237 305 82 325 108 92 45 258 360 119 164	242 237 222 306 111 324 133 104 38 249 116 156 98 93	319 201 220 320 82 377 141 84 23 267 123 177 101 80	197 252 290 192 115 20 314 82 289 74 85	211 262 276 165 306 139 108 69 223 72 230 52 60	290 190 308 110 330 124 58 57 232 50 140 74 29
Russian Federation Rwanda Saudi Arabia Senegal Serbia Siera Leone Singapore Slovakia Sovati A Sovati A South Artica South Artica South Artica South Sudan Spain Sri Lanka Sudan Suriname Sweden Switzerland Syritan Arab Republic Taiwan Province of China	389 461 263 281 188 315 183 127 167 233 135 191	583 325 332 344 158 189 121 175 121	355 271 310 342 403 325 115 168 129 472 163	383 308 523 380 114 181 58 280 121 188 448 175 111 849	612 583 306 93 309 161 104 95 280 120 173 501 94 670 212	330 311 633 273 121 300 139 105 95 236 93 150 538 51 652 245	479 272 550 92 139 113 107 475 213 285 216 99 86 641 226	278 104 311 289 99 319 105 93 284 110 125 50 376 221	253 291 494 313 111 316 184 91 147 223 231 323 179 129 178 289 161 268	230 273 252 330 145 288 132 82 74 339 276 323 156 145 127 28 371 148	249 275 318 302 105 278 129 96 60 371 293 341 109 70 113 157	242 237 305 82 325 108 92 45 258 360 119 164 101 118 112	242 237 222 306 111 324 133 104 38 249 116 156 98 93 177	319 201 220 320 82 377 141 84 23 287 123 177 101 80 177	197 252 290 192 115 20 314 82 269 74 65 131	211 262 276 165 308 139 108 69 223 72 230 52 60 122	290 190 308 110 330 124 58 57 232 50 140 74 29 103
Russian Federation Rwanda Saudi Arabia Senegal Sierra Leone Singapore Sio vak Republic Sio vak Republic Sio venia South A frica South A frica South Sudan Spain Sri Lanka Sudan Sudan Suriname Sweden Swizerland Syrian Arab Republic Taiwan Province of China Taiwan Province of China	389 461 283 281 188 315 183 127 187 233 135 191 101 129 194	583 325 332 344 158 189 121 175 121 258	355 271 310 342 403 325 115 168 129 472 183 246	363 306 523 360 114 181 56 260 121 186 446 175 111 649 228	6 12 5 83 3 09 1 81 1 04 95 2 80 1 20 1 73 5 01 94 6 70 2 12 3 06	330 311 633 273 121 300 139 105 95 238 93 150 538 51 652 245 311	479 272 550 290 92 139 113 107 475 213 285 216 99 88 68 641 226 312	278 104 311 289 99 319 105 93 284 110 125 50 376 221 316	253 291 494 313 111 316 184 91 147 223 231 323 179 129 178 289 161 268 320	230 273 252 330 145 288 132 82 74 339 276 323 156 145 127 28 371 148 314	249 275 318 302 105 278 129 96 60 371 293 341 109 70 113 157 249	242 237 305 82 325 108 92 45 258 380 119 184 101 118 112 274	242 237 222 306 111 324 133 104 38 249 116 156 98 93 177 700	319 201 220 320 82 377 141 84 23 287 123 177 101 80 177 232	197 252 290 192 115 20 314 82 289 74 85 131 284	211 262 276 165 306 139 108 69 223 72 230 52 60 122 208	290 190 306 110 330 124 58 57 232 50 140 74 29 103 181
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Russian Federation Rwanda Saudi Arabia Senegal Serbia Sierra Leone Singapore Slo vak Republic Slo vak Republic Slo venia Somala South A trica South A trica South Sudan Spain Sri Lanka Sudan Suriname Sweden Switzerland Syrian Arab Republic Taiwan Province of China Tanzaria Thailand Togo Tinidad and Tobago Turisia Uganda Ukraine Urated Arab E mirates Uragion Ura States Uraguay Uzbekista n	389 461 283 281 188 315 183 127 187 233 135 191 101 129 194 300 228 324 324 131 202 278 148 244 57 58 128 235	583 325 332 189 121 175 121 175 121 258 292 187 255 316 133 108 89 155	355 271 310 342 403 325 115 108 472 183 325 129 472 183 246 296 296 304 134 255 385 131 75 142 142 222	383 306 523 380 114 181 58 280 121 188 280 121 188 280 125 281 228 228 228 228 228 228 228 125 281 258 207 146 611 54 23 207	612 583 309 309 181 104 95 280 120 173 501 94 670 212 300 129 560 210 336 190 519 88 88 82 234	330 311 833 273 121 300 139 105 51 5236 51 652 245 311 302 150 558 51 104 243 530 104 243 224 243 326 104 245 216 104 245 217 105 105 236 105 105 245 245 245 245 245 245 245 24	479 272 550 290 92 139 113 113 107 475 213 285 216 88 86 641 2258 277 503 429 311 343 134 408 408 214 259	278 104 311 289 99 319 284 110 125 50 378 284 110 125 50 284 105 196 252 134 175 93 284 105 196 252 284 105 196 254 284 284 285 285 285 285 285 285 285 285 285 285	253 291 494 313 111 184 91 147 223 231 179 129 129 128 323 179 129 128 289 161 288 320 245 256 452 258 115 298 115 298 115 298 115 298 115 298 209 209 209 209 209 209 209 209 209 209	230 273 252 282 282 282 74 323 156 323 156 323 156 323 145 145 127 28 371 145 296 251 240 342 391 285 251 240 242 251 242 251 242 252 252 242 242 242 242 242 242 242	249 275 318 302 105 278 129 96 60 371 293 341 109 70 113 157 249 208 174 310 295 208 174 316 77 2149 295 208	242 237 305 82 325 325 325 325 45 258 380 119 118 118 118 118 118 118 274 275 91 184 47 182 274 275 91 184 487 319 284 182 124 839 78 319 319 319 319 319 319 319 319 319 319	242 237 222 306 111 324 133 104 38 249 116 156 98 93 1177 700 283 377 77 376 134 226 242 2377 75 433 90 64 185	319 201 220 320 82 377 141 23 287 123 177 101 80 177 232 270 0 101 80 177 232 270 194 521 282 270 3397 194 521 282 200 101 80 80 101 80 80 101 80 80 101 80 101 80 101 80 101 80 101 101	197 252 290 192 115 20 314 82 289 74 85 131 284 313 129 262 307 351 102 548 74 87 4 87 4 87 173	211 262 276 185 306 139 108 69 223 72 230 223 60 122 208 276 60 122 208 276 60 122 208 276 234 416 97 185 234 416 97 185 185 185 185 199 108 108 108 108 108 108 108 108	290 190 308 110 124 58 57 232 50 140 74 29 103 181 279 83 350 201 182 380 68 204 38 85 120 158
Rusian Federation Rwanda Saudi Arabia Senegal Sierra Leone Singapore Siovak Republic Siovak Republic Siovenia South Africa South Africa South Africa South Africa South Africa South Sudan Spain Sri Lanka Switzerland Syrian Arab Republic Taiwan Province of China TaiyiAstan TaiyiAstan TaiyiAstan Topo Trinidad and Tobago Trinidad and Tobago United Arab Emirates United Arab Emirates United Arab Emirates United Arab Emirates United Kingdom Uzbekistan	389 461 283 281 188 315 187 233 135 191 101 129 194 300 208 324 131 202 278 148 244 57 58 824 128 244 57 58 5235	583 325 332 344 158 189 121 175 121 258 252 157 255 316 133 108 89 155 221	355 271 310 342 403 325 115 188 129 472 183 296 129 472 183 296 129 472 184 296 129 131 75 131 75 142 142 142 184	383 306 523 380 114 181 56 280 121 188 446 175 111 849 228 185 229 307 228 125 281 229 307 146 611 54 83 132 207	612 583 309 93 309 181 104 95 280 120 173 501 94 670 212 306 210 129 560 210 129 588 88 128 128 187	330 311 633 273 121 139 105 538 51 852 245 311 852 245 311 852 245 310 824 245 310 93 824 287 300 93 150 538 51 852 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 104 245 104 104 245 104 104 104 104 104 104 104 104	479 272 550 290 92 139 475 213 225 216 99 88 86 41 226 312 228 213 228 213 228 213 228 213 213 24 25 213 213 213 213 213 213 213 213 213 213	278 104 311 289 99 319 105 93 284 110 125 50 376 221 316 221 316 109 284 109 284 109 284 109 284 109 284 252 332 284 252 332 88 254 112 289 99 93 289 289 93 289 289 93 289 105 105 201 201 201 201 201 201 201 201 201 201	253 291 494 313 111 137 231 323 179 161 289 178 289 178 289 181 288 320 245 245 245 256 284 284 2256 284 204 2256 284 102 287 112 209 112 209 112 209 112	230 273 252 2330 145 286 132 287 323 156 323 156 323 156 323 156 323 156 323 156 323 156 323 145 145 240 342 348 342 251 240 241 241 241 247 247 247 247 247 247 247 247 247 247	249 275 318 302 105 278 129 98 80 371 109 70 113 157 249 98 70 113 157 249 208 174 310 376 77 214 133 105 128 209 114	242 237 305 82 325 108 92 258 380 119 164 101 118 112 274 91 344 182 47 182 283 328 319 124 47 182 182 187 183 192 124 187 187 187 187 187 187 187 187 187 187	242 237 222 306 111 324 133 249 116 155 98 93 177 700 88 93 177 70 208 275 77 376 242 242 242 327 5 433 90 84 116 122	319 201 220 320 82 377 141 23 287 123 177 101 80 177 232 270 203 397 1194 521 282 429 67 331 93 87 117 202	197 252 290 192 115 20 314 82 289 74 85 131 289 289 74 85 131 29 262 307 351 102 548 74 84 99 173	211 262 276 165 306 139 69 223 72 230 52 60 122 208 77 230 122 208 278 156 234 416 97 183 70 185 234 416 97 234 234 234 234 234 234 234 234	290 190 306 110 330 124 56 57 232 50 140 74 29 103 181 279 181 279 380 201 182 380 204 385 120 155 143
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Rusian Federation Rwanda Saudi Arabia Senegal Sierra Leone Singapore Siovak Republic Siovak Republic Siovenia South Africa South Africa South Africa South Africa South Africa South Sudan Spain Sri Lanka Switzerland Syrian Arab Republic Taiwan Province of China TaiyiAstan TaiyiAstan TaiyiAstan Topo Trinidad and Tobago Trinidad and Tobago United Arab Emirates United Arab Emirates United Arab Emirates United Arab Emirates United Kingdom Uzbekistan	389 461 283 281 188 315 187 233 135 191 101 129 194 300 208 324 131 202 278 148 244 57 58 824 128 244 57 58 5235	583 325 332 344 158 189 121 175 121 258 252 157 255 316 133 108 89 155 221	355 271 310 342 403 325 115 188 129 472 183 296 129 472 183 296 129 472 184 296 129 131 75 131 75 142 142 142 184	383 306 523 380 114 181 56 280 121 188 446 175 111 849 228 185 229 307 228 125 281 229 307 146 611 54 83 132 207	612 583 309 93 309 181 104 95 280 120 173 501 94 670 212 306 210 129 560 210 129 588 88 128 234 187	330 311 633 273 121 139 105 538 51 852 245 311 852 245 311 852 245 310 824 245 310 93 824 287 300 93 150 538 51 852 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 245 104 104 245 104 104 245 104 104 104 104 104 104 104 104	479 272 550 290 92 139 475 213 225 216 99 88 86 41 226 312 228 213 228 213 228 213 228 213 213 24 25 0 311 343 343 259 50 290 290 200 20	278 104 311 289 99 319 105 93 284 110 125 50 376 221 316 221 316 109 284 109 284 109 284 109 284 109 284 252 332 284 252 332 88 254 112 289 99 93 289 289 93 289 289 93 289 105 105 201 201 201 201 201 201 201 201 201 201	253 291 494 313 111 137 231 323 179 161 289 178 289 178 289 181 288 320 245 245 245 256 284 284 2256 284 204 2256 284 102 287 112 209 112 209 112 209 112	230 273 252 2330 145 286 132 287 323 156 323 156 323 156 323 156 323 156 323 156 323 156 323 145 145 240 342 348 342 251 240 241 241 241 247 247 247 247 247 247 247 247 247 247	249 275 318 302 105 278 129 98 80 371 109 70 113 157 249 97 140 295 208 174 310 376 77 214 133 105 128 209 114	242 237 305 82 325 108 92 258 380 119 164 101 118 112 274 91 344 182 47 182 283 328 319 124 47 182 182 187 183 192 124 187 187 187 187 187 187 187 187 187 187	242 237 222 306 111 324 133 249 116 155 98 93 177 700 88 93 177 70 208 275 77 376 242 242 242 327 5 433 90 84 116 122	319 201 220 320 82 377 141 23 287 123 177 101 80 177 232 270 203 397 1194 521 282 429 67 331 93 87 117 202	197 252 290 192 115 20 314 82 289 74 85 131 289 289 74 85 131 29 262 307 351 102 548 74 84 99 173	211 262 276 165 306 139 69 223 72 230 52 60 122 208 77 230 122 208 278 156 234 416 97 183 70 185 234 416 97 234 234 234 234 234 234 234 234	290 190 306 110 330 124 56 57 232 50 140 74 29 103 181 279 181 279 380 201 182 380 204 385 120 155 143
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Figure A1.1 Global trends for all countries vs. participating countries in 2020 from 2006 through 2022. Gallup World Poll (age 15-24).

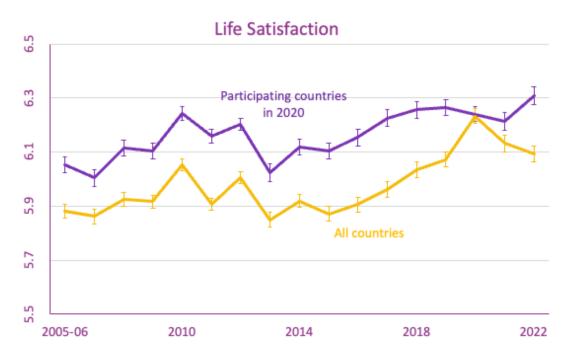


Figure A1.2A Life Satisfaction trends for Lebanon and Afghanistan in 2020 from 2006 through 2022. Gallup World Poll (age 15-24).

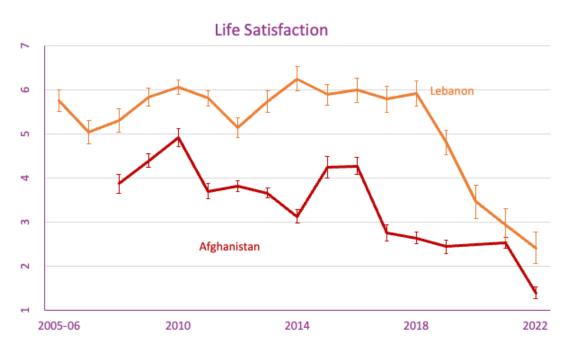


Figure A1.2B Life Satisfaction trends for Côte d'Ivoire, Mongolia, Gabon and Togo in 2020 from 2006 through 2022. Gallup World Poll (age 15-24).

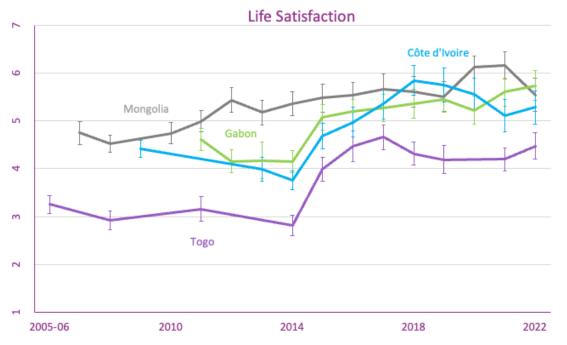
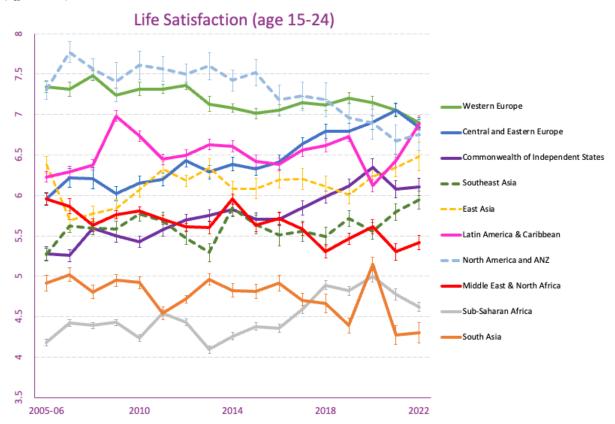
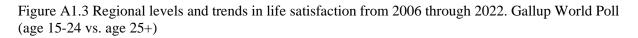
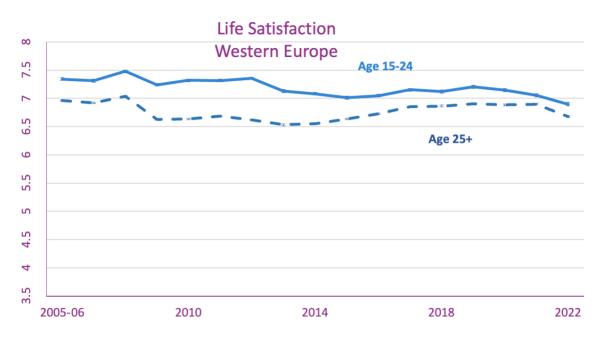
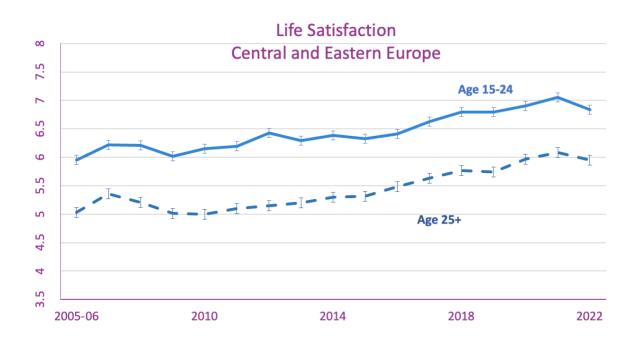


Figure A1.2C Regional levels and trends in life satisfaction from 2006 through 2022. Gallup World Poll (age 15-24)





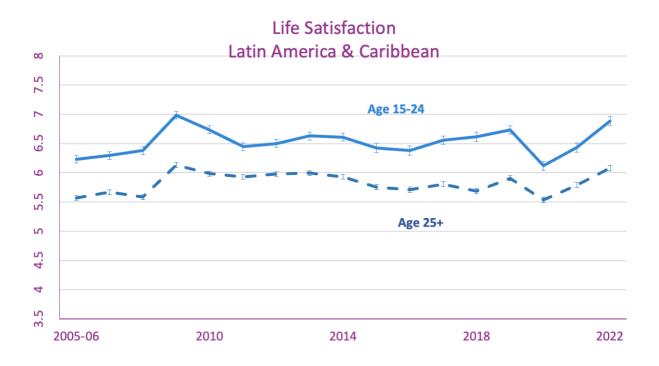




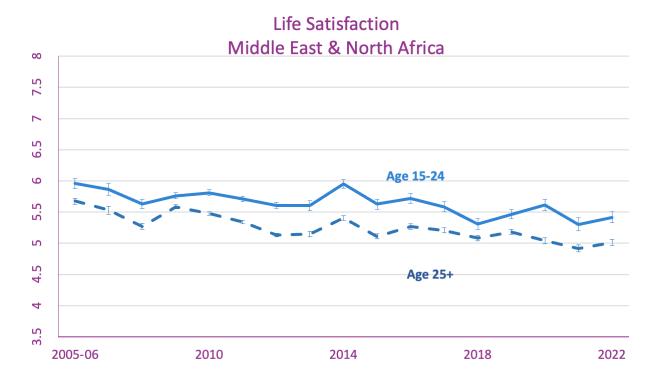


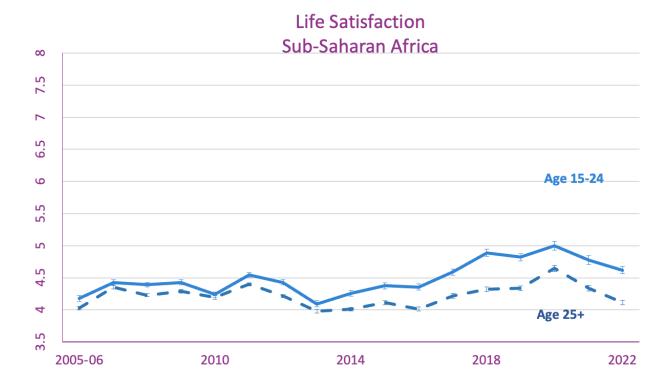


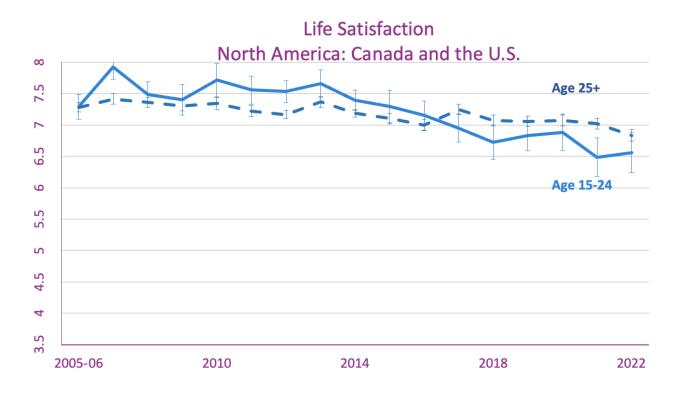


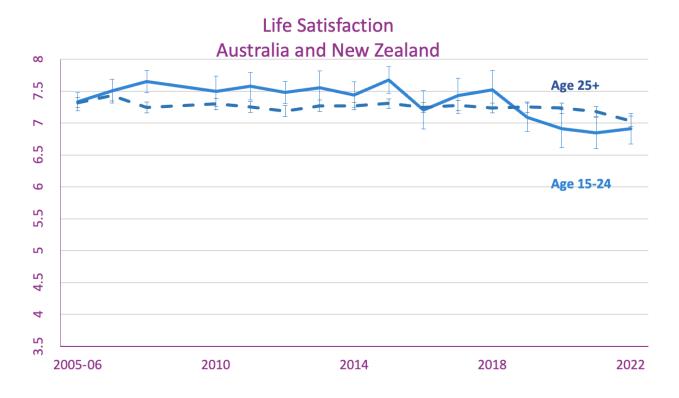


Life Satisfaction North America and ANZ ∞ Age 25+ 7.5 6.5 Age 15-24 9 5.5 ഹ 4.5 4 3.5 2005-06 2010 2014 2018 2022









	Females								
	C	ountry mea	ns	Tre	nds				
Country	2015	2018	2022	2015-18	2018-22				
Western Europe:									
Austria	7.09	6.78	6.21	-0.31	-0.56				
Belgium	7.20								
Denmark			6.69						
Finland	7.51	7.21	6.81	-0.30	-0.40				
France	7.41	6.93	6.40	-0.47	-0.53				
Germany	6.96	6.62	5.89	-0.33	-0.73				
Greece	6.59	6.74	6.14	0.15	-0.60				
Iceland	7.35	6.94	6.36	-0.41	-0.58				
Ireland	7.02	6.45	6.27	-0.57	-0.18				
Italy	6.50	6.54	6.12	non.sign.	-0.42				
Luxembourg	6.99	6.74		-0.26					
Malta			5.88						
Netherlands	7.56	7.18	6.96	-0.37	-0.23				
Portugal	7.11	6.87	6.61	-0.23	-0.26				
Spain	7.24	7.12	6.44	-0.11	-0.69				
Sweden			6.36						
Switzerland	7.38	7.04	6.53	-0.34	-0.51				
U.K.	6.64	5.76	5.61	-0.88	non.sign.				
U.K. (England)	6.61	5.70	5.53	-0.91	non.sign.				
U.K. (Northern Ireland,	6.94	6.27	6.13	-0.67	non.sign.				
U.K. (Scotland)	6.73	5.96	6.12	-0.76	non.sign.				
U.K. (Wales)	6.74	6.07	5.65	-0.67	-0.42				
Average:	7.03	6.61	6.24	-0.44	-0.47				

Table A1.2 PISA 2018-22 trends (age 15), by gender

Central and Eastern Eur	ope				
Albania			7.74		
Bulgaria	7.20	6.97	6.70	-0.22	-0.27
Croatia	7.62	7.28	6.78	-0.34	-0.50
Czech Republic	6.72	6.57	5.94	non.sign.	-0.64
Estonia	7.27	6.87	6.39	-0.40	-0.47
Hungary	6.80	6.72	6.68	non.sign.	non.sign.
Kosovo			7.49		
Latvia	7.29	6.91	6.38	-0.39	-0.53
Lithuania	7.60	7.33	6.64	-0.27	-0.70
Montenegro	7.50	7.42	6.98	non.sign.	-0.44
North Macedonia			7.26	65	
Poland	6.83	6.30	5.66	-0.53	-0.64
Romania			7.19		
Serbia			7.09		
Slovakia	7.17	6.85	6.42	-0.31	-0.44
Slovenia	6.71	6.30	5.96	-0.40	-0.34
Average:	7.16	6.87	6.71	-0.36	-0.50

CIS					
Baku (Azerbaijan)			6.41		
Georgia			7.26		
Kazhastan			8.15		
Moldavia			6.66		
Russia	7.60	7.08		-0.53	
Uzbekistan			8.17		
Average:	7.60	7.08	7.33	-0.53	

North America and ANZ					
New Zealand			5.78		
U.S.	7.06	6.47		-0.59	
Average:	7.06	6.47	5.78	-0.59	

Middle East and North	Africa				
Jordan			6.68		
Morocco			6.53		
Qatar	7.30	6.73	6.66	-0.57	non.sign.
Saudi Arabia			7.26		
Tunisia	6.82				
Turkey	5.83	5.53	4.65	-0.30	-0.88
United Arab Emirates	7.17	6.69	6.57	-0.48	non.sign.
Average:	6.78	6.32	6.39	-0.45	-0.88

			Males		
	С	ountry mea	ns	Tre	nds
Country	2015	2018	2022	2015-18	2018-22
Western Europe:					
Austria	7.95	7.49	7.15	-0.46	-0.34
Belgium	7.77				
Denmark			7.67		
Finland	8.25	8.02	7.99	-0.23	non.sign
France	7.86	7.44	7.15	-0.42	-0.28
Germany	7.76	7.37	7.11	-0.39	-0.26
Greece	7.22	7.24	7.09	non.sign.	-0.15
Iceland	8.28	7.76	7.44	-0.52	-0.32
Ireland	7.58	7.02	6.88	-0.56	non.sign
Italy	7.29	7.27	6.95	non.sign.	-0.31
Luxembourg	7.78	7.34		-0.44	
Malta			6.57		
Netherlands	8.11	7.83	7.61	-0.28	-0.22
Portugal	7.61	7.38	7.49	-0.24	non.sign
Spain	7.60	7.57	7.33	non.sign.	-0.24
Sweden			7.44		
Switzerland	8.03	7.68	7.58	-0.35	non.sign
U.K.	7.31	6.61	6.51	-0.71	non.sign
U.K. (England)	7.26	6.59	6.45	-0.68	non.sign
U.K. (Northern Ireland,	7.54	6.90	6.91	-0.64	non.sign
U.K. (Scotland)	7.60	6.56	6.84	-1.04	0.28
U.K. (Wales)	7.52	6.84	6.66	-0.68	non.sign
Average:	7.70	7.27	7.14	-0.51	-0.20

Central and Eastern Eur	ope				
Albania			8.27		
Bulgaria	7.62	7.32	7.34	-0.29	non.sign.
Croatia	8.21	8.11	7.92	non.sign.	-0.19
Czech Republic	7.37	7.24	7.16	non.sign.	non.sign.
Estonia	7.73	7.52	7.41	-0.21	non.sign.
Hungary	7.54	7.52	7.74	non.sign.	0.22
Kosovo			8.25		
Latvia	7.46	7.43	7.15	non.sign.	-0.28
Lithuania	8.12	7.88	7.66	-0.25	-0.22
Montenegro	7.99	7.95	8.05	non.sign.	non.sign.
North Macedonia			8.02	10	
Poland	7.53	7.19	6.84	-0.33	-0.36
Romania			7.87		
Serbia			7.85		
Slovakia	7.76	7.59	7.56	-0.17	non.sign.
Slovenia	7.62	7.40	7.24	-0.22	-0.16
Average:	7.72	7.56	7.64	-0.25	-0.16

CIS					
Baku (Azerbaijan)			7.16		
Georgia			7.97		
Kazhastan			8.66		
Moldavia			7.32		
Russia	7.92	7.57		-0.35	
Uzbekistan			8.22		
Average:	7.92	7.57	7.87	-0.35	

North America and AN	Z				
New Zealand			6.77		
U.S.	7.66	7.03		-0.63	
Average:	7.66	7.03	6.77	-0.63	

Middle East and North	Africa				
Jordan			6.86		
Morocco			6.98		
Qatar	7.51	6.97	6.89	-0.54	non.sign.
Saudi Arabia			7.48		
Tunisia	6.99				
Turkey	6.41	5.71	5.15	-0.70	-0.56
United Arab Emirates	7.44	7.10	7.13	-0.34	non.sign.
Average:	7.09	6.59	6.75	-0.53	-0.56

Latin America and the C	aribbean					Latin America and the C	aribbean				
Argentina			6.07			Argentina			7.33		
Brazil	7.45	6.73	6.42	-0.72	-0.31	Brazil	7.74	7.40	7.29	-0.34	non.sign.
Chile	7.13	6.73	5.80	-0.40	-0.93	Chile	7.60	7.32	6.99	-0.28	-0.33
Colombia	7.71	7.42	6.57	-0.29	-0.85	Colombia	8.08	7.83	7.39	-0.25	-0.44
Costa Rica	8.04	7.67	6.83	-0.36	-0.84	Costa Rica	8.39	8.25	7.80	-0.13	-0.45
Dominican Republic	8.45	7.90	7.09	-0.55	-0.82	Dominican Republic	8.55	8.30	7.83	-0.25	-0.47
El Salvador			7.01			El Salvador			7.79		
Guatemala			7.46			Guatemala			8.01		
Jamaica			5.56			Jamaica			6.17		
Mexico	8.21	7.98	6.79	-0.23	-1.19	Mexico	8.33	8.25	7.78	non.sign.	-0.47
Panama			6.75			Panama			7.31		
Paraguay			7.04			Paraguay			7.63		
Peru	7.42	7.13	5.84	-0.30	-1.29	Peru	7.57	7.48	6.89	non.sign.	-0.58
Uruguay	7.47	7.22	6.58	-0.25	-0.64	Uruguay	7.95	7.90	7.48	non.sign.	-0.42
Average:	7.73	7.35	6.56	-0.39	-0.86	Average:	8.02	7.84	7.41	-0.25	-0.45
East Asia						East Asia					
China (B-S-J-G)	6.78					China (B-S-J-G)	6.88				
Hong Kong	6.44	6.19	6.30	-0.25	non.sign.	Hong Kong	6.51	6.35	6.66	-0.16	0.31
Japan	6.86	6.18	6.54	-0.68	0.36	Japan	6.74	6.18	6.98	-0.56	0.80
Macau	6.59	5.93	6.16	-0.66	0.23	Macau	6.60	6.22	6.65	-0.38	0.43
Mongolia			6.97			Mongolia			7.42		
South Korea	6.12	5.98	5.99	-0.14	non.sign.	South Korea	6.59	7.01	6.70	0.42	-0.31
Taiwan	6.45	6.30	6.45	-0.15	0.15	Taiwan	6.74	6.74	7.22	non.sign.	0.48
Average:	6.54	6.11	6.40	-0.38	0.25	Average:	6.67	6.50	6.94	-0.17	0.34
Southeast Asia						Southeast Asia				_	
Brunei Darussalam			5.41			Brunei Darussalam			6.29		
Cambodia			7.47			Cambodia			7.87		
Indonesia			6.89			Indonesia			7.58		
Malaysia		7.01	6.29		-0.72	Malaysia		7.07	6.98		non.sign.
Philiphines			6.91			Philiphines			7.04		
Thailand	7.70	7.56	6.92	non.sign.	-0.64	Thailand	7.73	7.72	7.34	non.sign.	-0.38
Vietnam			7.21			Vietnam			7.50		
Average:	7.70	7.29	6.73		-0.68	Average:	7.73	7.39	7.23		-0.38

							Age 15			
			Countr	y means				Tre	nds	
Western France	2001/02	2005/06	2009/10	2013/14	2017/18	2021/22	2024/22 47/40	Pre-covid		Post-covid
Western Europe							2001/02-17/18	2005/06-17/18	2013/14-17/18	2017/18-21/22
Austria Roleium (Somish)	7.47	7.36	7.23	7.53	7.29	7.20	-0.18 0.25	non sign. 0.12	-0.24 0.60	non.sign.
Belgium (Flemish) Belgium (French)	1.25	7.27	7.26		7.46	7.46 6.81	0.25	0.12		non.sign.
			7.15	7.19	1.22	7,45			non.sign.	-0.41
Cyprus Denmark	7.65	7.56	7.47	7.37	7.48	7.45	-0.17	non.sign.	non sign	-0.39
Finland	7.61	7.63	7.53	7.47	7.40	7.46	-0.1/	non sign.	non.sign.	-0.59
France	7.01	7.05	7.22	6.97	7.28	6.91	0.14	0.17	0.32	-0.37
Germany	7.53	6.95	7.22	7.05	7.33	7.12	-0.19	0.39	0.52	-0.57
Greece	1.22	7.48	7.31	7.16	7.04	6.70	-0.15	-0.44	non.sign.	-0.34
Greenland	7.04	7.30	7.38	7.48	7.49	6.66	0.46	non sign.	non.sign.	-0.83
iceland	7.04	7.44	7.53	7.43	7.26	7.12	0.40	-0.18	-0.21	-0.14
Ireland	7.12	7.21	7.08	7.01	6.89	6.22	-0.22	-0.32	non.sign.	-0.67
Italy	6.93	7.02	6.97	6.95	7.11	6.55	0.18	non sign.	0.16	-0.55
Luxembourg	0.55	7.08	7.28	7.01	7.35	7.10	0.10	0.26	0.33	-0.24
Malta				7.11	6.71	6.48			-0.40	-0.23
Netherlands	7.68	7.48	7.67	7.36	7.33	6.90	-0.35	-0.15	non.sign.	-0.43
Norway	7.03	7.48	7,40	7.54	7,48	7.05	0.45	non sign.	non.sign.	-0.43
Portugal	6.84	6.94	7.13	6.99	7.35	7.05	0.50	0.40	0.36	-0.29
Spain	7.10	7.43	7.55	7.30	7.64	6.77	0.54	0.21	0.34	-0.87
Sweden	7.07	7.33	7.20	6.83	7.10	6.80	non.sign.	-0.23	0.27	-0.30
Switzerland	7.67	7.46	7.46	7.54	7.34	6.99	-0.33	non sign.	-0.19	-0.35
England	7.00	7.26	7.19	6.81	7.11	6.51	non sign.	non sign.	0.30	-0.60
Scotl and	7.35	7.12	7.32	7.14	7.03	6.66	-0.32	non sign.	non.sign.	-0.37
Wales	7.15	6.93	6.95	6.93	7.09	6.61	non sign.	0.15	0.16	-0.48
	7.26	7.28	7.29	7.17	7.25	6.90	0.05	0.03	0.15	-0.43
Central and Eastern Europe			/ 22			0.00	0.00	0.00		0.42
Albania				7.71	7.56	8.14			non.sign.	0.58
Bulgaria		6.86		7.43	7.59	7.10		0.73	0.16	-0.49
Croatia	6.76	6.89	7.20	7.49	7.72	7.57	0.96	0.83	0.23	-0.15
Czech Republic	7.18	7.12	7.25	6.99	7.43	7.26	0.25	0.30	0.44	-0.17
Estonia	6.64	7.18	7.36	7.33	7.35	6.95	0.71	0.17	non.sign.	-0.40
Hungary	7.03	6.76	6.99	7.09	7.14	6.99	non.sign.	0.38	non.sign.	non.sign.
Latvia	6.78	6.68	6.99	7.06	7.00	6.73	0.22	0.32	non.sign.	-0.27
Lithuania	6.71	6.93	7.29		7.47	6.95	0.76	0.53	-	-0.52
Macedonia	7.90	7.65	7.76	7.11	7.82	7.42	non.sign.	0.17	0.70	-0.39
Poland	6.65	6.97	6.75	6.80	7.03	6.20	0.38	non.sign.	0.23	-0.84
Romania		7.20	7.20	7.61	7.94	7.76		0.74	0.32	-0.18
Serbia					7.85	7.89				non.sign.
Slovakia		7.41	7.22	7.06	7.36	6.00		non.sign.	0.29	-1.35
Slovenia	7.20	7.15	7.40	7.41	7.45	7.08	0.25	0.30	non.sign.	-0.36
	6.98	7.07	7.22	7.26	7.48	7.15	0.50	0.45	0.34	-0.38
CIS							•			
Armenia			7.84	8.19	8.06	8.15			non.sign.	non.sign.
Azerbaijan					7.83					
Georgia					7.57					
Kazakh stan					8.18	7.97				-0.21
Kyrgyzstan						7.95				
Republic of Moldova				7.87	7.85	7.70			non.sign.	-0.15
Russia	6.72	6.99	7.33	6.94	6.92		0.20	non sign.	non.sign.	
Tajikistan						8.00				
Ukraine	6.43	6.97	6.84	7.31	7.34		0.90	0.36	non.sign.	
	6.58	6.98	7.34	7.58	7.68	7.95	0.55	0.36		-0.18
North America and ANZ										
Canada	7.30	7.32	7.17	7.18	6.98	6.63	-0.32	-0.34	-0.19	-0.36
USA	7.19	7.30	7.31							
	7.24	7.31	7.24	7.18	6.98		-0.32	-0.34	-0.19	-0.36
Middle East and North Afroca										
Turkey		6.26	6.13		6.09			-0.17		
Israel	7.48	7.73	7.63	7.56	7.47		non sign.	-0.26	non.sign.	
	7.48	7.00	6.88	7.56	6.78			-0.22		

Table A1.3 Regional and country trends from 2001/02 through 2021/22. HBSC (age 15, 13, 11)

						Ag	e 13			
			Country	y means					Trends	
	2001/02	2005/06	2009/10	2013/14	2017/18	2021/22		Pre-covi	-	Post-covid
Western Europe Austria	7.80	7.72	7.58	7.89	7.65	7.70	-0.15		-0.24	2017/18-21/22
Belgium (Flemish)	7.80	7.70	7.58	7.34	7.81	7.70 7.78	non.sign.	non.sign.	0.47	non.sign. non.sign.
Belgium (French)	1.12	7.70	7.49	7.43	7.46	7.20	non.sign.	non.sign.		-0.26
Cyprus			7.40	7.45	7.40	7.99			non.sign.	-0.20
Denmark	7.51	7.73	7.39	7.57	7.45	7.32	non.sign.	-0.28	non.sign.	non.sign.
Finland	7.86	7.92	7.72	7.63	7.42	7.66	non.argn.	-0.20	non.aign.	non.agn.
France	7.59	7.45	7,40	7.37	7.60	7.16	non.sign.	0.14	0.23	-0.43
Germany	7.50	7.26	7.23	7.30	7.65	7.50	0.15	0.40	0.36	-0.15
Greece		7.85	7.72	7.53	7.26	7.09		-0.59	-0.27	-0.18
Greenland	7.43	7.87	7.86	7.63	7.56	6.78	non.sign.	-0.31	non.sign.	-0.77
Iceland		7.70	8.02	7.67	7.57	7.28		-0.14	non.sign.	-0.29
Ireland	7.60	7.74	7.75	7.61	7.52	6.87	non.sign.	-0.23	-0.10	-0.65
Italy	7.49	7.52	7.62	7.24	7.67	7.16	0.18	0.16	0.43	-0.52
Luxembourg		7.49	7.63	7.44	7.65	7.46		0.17	0.21	-0.19
Malta				7.35	7.09	7.00			-0.2.6	non.sign.
Netherlands	8.12	7.96	8.00	7.69	7.74	7.22	-0.37	-0.2.2	non.sign.	-0.52
Norway	7.42	7.85	7.65	7.73	7.58	7.24	non.sign.	-0.27	non.sign.	-0.34
Portugal	7.36	7.44	7.40	7.41	7.63	7.54	0.27	0.19	0.23	non.sign.
Spain	7.59	7.87	7.89	7.79	7.99	7.13	0.39	0.11	0.20	-0.85
Sweden	7.49	7.60	7.68	7.22	7.50	6.91	non.sign.	non.sign.	0.28	-0.59
Switzerland	7.69	7.77	7.61	7.67	7.64	7.21	non.sign.	-0.14	non.sign.	-0.43
England	7.27	7.43	7.42	7.33	7.23	6.89	non.sign.	-0.21	non.sign.	-0.34
Scotland	7.49	7.48	7.58	7.70	7.47	6.97	non.sign.	non.sign.	-0.24	-0.50
Wales	7.27	7.01	7.22	7.17	7.52	7.09	0.25	0.51	0.35	-0.43
	7.57	7.64	7.61	7.51	7.56	7.26	0.10	-0.04	0.12	-0.44
Central and Eastern Europe							1			
Albania				8.40	8.40	8.67			non.sign.	0.28
Bulgaria		7.43		7.79	7.95	7.34		0.52	0.16	-0.61
Croatia	7.52	7.27	7.60	7.87	8.16	7.91	0.64	0.89	0.29	-0.25
Czech Republic Estonia	7.27	7.26	7.49	7.12	7.69	7.51	0.41	0.43	0.57	-0.18 -0.39
	7.73	7.58	7.31	7.39	7.65	7.33	-0.18	non.sign. 0.20	non.sign. 0.15	-0.39
Hungary Latvia	6.97	6.91	7.35	7.23	7.30	7.06	0.33	0.39		-0.22
Lithuania	7.06	7.27	7.44	7.25	7.76	7.21	0.55	0.59	non.sign.	-0.24 -0.54
Macedonia	8.37	8.22	8.14	7.72	8.49	7.79	non.sign.	0.45	0.77	-0.71
Poland	7.41	7.29	7.18	7.37	7.39	6.28	non.sign.	non.sign.	non.sign.	-1.10
Romania		7.87	7.50	8.22	8.35	8.06		0.48	non.sign.	-0.29
Serbia					8.26	8.30				non.sign.
Slovakia		7.83	7.36	7.30	7.54	6.28		-0.30	0.24	-1.26
Slovenia	7.53	7.46	7.54	7.63	7.94	7.34	0.41	0.49	0.31	-0.60
	7.45	7.48	7.49	7.65	7.89	7.45	0.40	0.38	0.36	-0.47
CIS										
Armenia			8.64	8.57	8.22	8.52			-0.36	0.30
Azerbaijan					8.50					
Georgia					8.05					
Kaza kh sta n					8.62	8.30				-0.33
Kyrgyzstan						8.30				
Republic of Moldova				8.20	8.21	8.02			non.sign.	-0.19
Russia	7.13	7.27	7.54	7.32	7.58		0.46	0.31	0.26	
Tajikista n						8.07				
Ukraine	7.20	7.26	7.22	7.71	7.64		0.45	0.38	non.sign.	
	7.16	7.27	7.80	7.95	8.12	8.24	0.45	0.35	-0.05	-0.07
North America and ANZ										
Canada	7.54	7.36	7.39	7.40	7.30	7.00	-0.24	non.sign.	-0.09	-0.31
USA	7.46	7.42	7.47							
	7.50	7.39	7.43	7.40	7.30		-0.24		-0.09	-0.31
Middle East and North Afroca										
Turkey		6.58	6.62		6.43			-0.15	_	
Israel	7.96	8.14	7.87	7.96	7.88		non.sign.	-0.26	non.sign.	
	7.96	7.36	7.25	7.96	7.15			-0.21		

			Countro	/ means			Age 11	Tre	nds	
	2001/02	2005/05			2012/10	2024/22		Pre-covid		Post-covid
Western Europe	2001/02	2005/06	2009/10	2015/14	201//18	2021/22	2001/02-17/18	2005/06-17/18	2013/14-17/18	2017/18-21/22
Austria	8.50	8.36	8.03	8.52	8.22	8.36	-0.28	-0.14	-0.30	non.sign.
Belgium (Flemish)	8.19	8.11	8.08	7.11	8.06	8.05	-0.13	non.sign.	0.96	non.sign.
Belgium (French)			7.98	7.95	7.91	7.80			-0.04	non.sign.
Cyprus						8.46				
Denmark	7.95	8.11	7.73	7.95	7.97	7.76	non sign.	-0.14	non.sign.	-0.21
Finland	8.36	8.25	8.03	7.95		8.13				
France	7.98	7.83	7.94	7.67	8.03	7.68	non.sign.	0.20	0.36	-0.35
Germany	7.54	7.84	7.74	7.87	8.14	8.17	0.59	0.30	0.27	non.sign.
Greece		8.85	8.53	8.44	8.36	8.43		-0.49	non.sign.	non.sign.
Greenland	7.90	8.29	8.56	8.28	8.46	6.98	0.56	non.sign.	non.sign.	-1.48
iceland		8.08	8.36	8.07	8.00	7.79		non .sign.	non.sign.	-0.21
Ireland	8.07	8.32	8.09	8.38	8.14	7.73	non.sign.	-0.19	-0.24	-0.41
italy	7.80	8.05	7.98	7.88	7.95	7.55	0.15	non.sign.	non.sign.	-0.40
Luxembourg		8.01	8.16	8.01	8.09	8.12		non.sign.	non.sign.	non.sign.
Malta				8.29	7.92	7.81			-0.37	non.sign.
Netherlands	8.57	8.20	8.32	8.19	8.30	7.95	-0.26	non.sign.	0.12	-0.35
Norway	7.91	8.26	8.19	8.29	8.23	7.67	0.32	non sign.	non.sign.	-0.56
Portugal	7.81	7.86	8.08	8.00	8.21	8.21	0.40	0.35	0.21	non.sign.
Spain	8.25	8.67	8.73	8.66	8.81	8.25	0.56	0.13	0.15	-0.56
Sweden	8.11	8.50	8.26	8.03	7.91	7.83	-0.20	-0.59	non.sign.	non.sign.
Switzerland	8.14	8.13	8.14	8.02	8.08	7.95	non sign.	non sign.	non.sign.	-0.14
England	7.57	7.82	7.70	7.87	7.87	7.37	0.30	non sign.	non.sign.	-0.50
Scotland	8.01	7.87	8.14	8.41	8.24	7.64	0.24	0.38	-0.17	-0.60
Wales	7.65	7.43	7.86	7.86	8.17	7.70	0.51	0.73	0.30	-0.46
Annual and Frankris Roman	8.02	8.13	8.12	8.07	8.14	7.89	0.21	0.05	0.10	-0.48
Central and Eastern Europe										
Albania				8.63	8.71	9.18			non.sign.	0.46
Bulgaria	8.19	8.28	7.90	8.34 8.42	7.97	7.64 8.47	0.35	-0.31	-0.38	-0.33
Croatia		7.85							non.sign.	non.sign.
Czech Republic	7.89	7.48	7.80	7.53	8.25	8.04	0.36	0.77	0.72	-0.21
Estonia	7.70 7.87	8.22 7.71	8.11 8.00	8.23 8.06	8.16 8.03	7.91 7.92	0.46	non sign. 0.32	non.sign.	-0.25
Hungary Latvia		7.21	7.64		7,86		0.15	0.52	non.sign.	non.sign.
Lithuania	7.29		7.94	7.77		7.64			non.sign.	-0.23
Macedonia	7.41 9.14	7.73 8.81	8.68	8.15	8.45 8.94	7.71 8.42	1.04 -0.20	0.72 non.sign.	0.79	-0.74 -0.51
Poland	8.02	7.80	7.76	7.98	8.05	7.06		0.25	non.sign.	-1.00
Romania	0.02	8.11	8.11	8.63	8.74	8.67	non sign.	0.63	-	
Serbia		0.11	0.11	8.00	8.84	8.84		0.05	non.sign.	non.sign. non.sign.
Slovakia		8.14	7.91	7.91	8.00	6.91		non.sign.	non.sign.	-1.09
Slovenia	8.16	7.98	8.08	8.14	8.46	8.05	0.30	0.47	0.32	-0.40
Sovema	7.96	7.94	7.99	8.15	8.36	8.03	0.38	0.47	0.36	-0.43
CIS	1.50	7.24	1.22	0.20	0.50	0.00	0.50		0.00	0.45
Armenia			9.09	8.89	8.74	8.80			-0.15	non.sign.
Azerbaijan				0.00	8.78				0.20	ing ing ing in
Georgia					8.37					
Kazakh stan					8.86	8.49				-0.37
Kyrgyzstan						8.60				
Republic of Moldova				8.69	8.66	8.47			non.sign.	-0.19
Russia	7.46	7.58	7.65	7.67	7.99		0.53	0.41	0.32	
Tajikistan						8.10				
Ukraine	7.34	7.50	7.55	7.99	8.06		0.73	0.56	non.sign.	
	7.40	7.54	8.09	8.31	8.50	8.49	0.63	0.49	0.09	-0.28
North America and ANZ										
Canada	7.77	7.70	7.57	7.67	7.76	7.54	non sign.	non sign.	non.sign.	-0.22
USA	7.78	7.63	7.82							
	7.78	7.67	7.69	7.67	7.76		•			-0.22
Middle East and North Afroca										
Turkey		7.31	7.20		7.12			-0.19		
Israel	8.62	8.50	8.39	8.35	8.09		-0.52	-0.41	-0.26	
	8.62	7.90	7.79	8.35	7.61		-0.52	-0.30	-0.26	

^				Fe	males	•				
		Age 15				Age 13			Age 11	
	2017/18	2021/22	Diff.		2017/18	2021/22	Diff.	2017/18	2021/22	Diff.
Albania	7.50	7.87	0.37		8.32	8.50	0.19	8.80	9.15	0.36
Armenia	8.06	8.07	non.sign.		8.21	8.43	0.21	8.88	8.89	non.sign.
Austria	6.88	6.94	non.sign.		7.35	7.44	non.sign.	8.16	8.21	non.sign.
Belgium (Flemish)	7.33	7.19	-0.14		7.70	7.58	non.sign.	7.98	7.92	non.sign.
Belgium (French)	6.95	6.47	-0.48		7.17	6.82	-0.34	7.82	7.62	-0.20
Bulgaria	7.55	6.81	-0.73		7.90	6.95	-0.94	7.98	7.56	-0.42
Canada	6.62	6.31	-0.31		7.03	6.53	-0.50	7.60	7.26	-0.34
Croatia	7.42	7.18	-0.24		8.13	7.71	-0.42	8.67	8.47	-0.20
Czech Republic	7.22	6.83	-0.39		7.51	7.10	-0.41	8.33	7.87	-0.46
Denmark	7.22	6.72	-0.51		7.10	6.86	-0.24	7.87	7.43	-0.44
England	6.95	6.10	-0.85		6.95	6.38	-0.57	7.91	7.04	-0.86
Estonia	7.10	6.52	-0.58		7.36	6.81	-0.55	8.10	7.73	-0.37
France	7.10	6.56	-0.54		7.45	6.92	-0.52	7.99	7.57	-0.42
Germany	7.18	6.93	-0.25		7.50	7.24	-0.26	8.16	8.20	non.sign.
Greece	6.67	6.23	-0.44		6.91	6.70	-0.21	8.33	8.40	non.sign.
Greenland	7.06	6.61	non.sign.		7.33	6.68	-0.65	8.36	6.95	-1.42
Hungary	6.93	6.71	-0.22		7.41	6.94	-0.47	7.95	7.82	non.sign.
Iceland	7.02	6.78	-0.25		7.36	6.94	-0.42	7.90	7.72	-0.18
Ireland	6.73	5.91	-0.81		7.43	6.59	-0.84	8.12	7.71	-0.41
Italy	6.94	6.15	-0.79		7.49	6.72	-0.76	7.84	7.36	-0.48
Kazakhstan	8.15	7.77	-0.37		8.63	8.20	-0.43	8.89	8.53	-0.35
Latvia	6.69	6.33	-0.36		7.12	6.59	-0.53	7.97	7.48	-0.49
Lithuania	7.28	6.42	-0.86		7.50	6.79	-0.72	8.44	7.54	-0.90
Luxembourg	7.21	6.78	-0.43		7.47	7.02	-0.45	8.02	8.00	non.sign.
Macedonia	7.68	7.23	-0.45		8.57	7.79	-0.78	9.06	8.59	-0.48
Malta	6.54	6.11	-0.43		7.03	6.44	-0.59	7.89	7.60	-0.29
Netherlands	7.00	6.47	-0.53		7.53	6.81	-0.73	8.19	7.71	-0.48
Norway	7.25	6.69	-0.56		7.40	6.90	-0.49	8.13	7.40	-0.73
Poland	6.77	5.73	-1.04		7.04	5.76	-1.28	8.02	6.82	-1.20
Portugal	7.18	6.80	-0.37		7.51	7.39	non.sign.	8.26	8.15	non.sign.
Republic of Moldova	7.75	7.48	-0.27		8.30	7.92	-0.38	8.73	8.51	-0.22
Romania	7.84	7.56	-0.28		8.23	7.87	-0.36	8.75	8.61	-0.15
Scotland	6.87	6.34	-0.52		7.44	6.49	-0.95	8.33	7.63	-0.70
Serbia	7.63	7.63	non.sign.		8.27	8.04	-0.23	8.98	8.84	non.sign.
Slovakia	7.05	5.49	-1.56		7.32	5.87	-1.45	7.92	6.76	-1.17
Slovenia	7.07	6.62	-0.45		7.85	7.02	-0.82	8.46	7.99	-0.48
Spain	7.36	6.35	-1.00		7.70	6.74	-0.96	8.78	8.09	-0.69
Sweden	6.80	6.39	-0.42		7.17	6.47	-0.70	7.66	7.60	non.sign.
Switzerland	6.98	6.49	-0.49		7.39	6.82	-0.57	7.95	7.80	non.sign.
Wales	6.81	6.30	-0.51		7.33	6.80	-0.53	8.19	7.67	-0.52
Average	7.16	6.70	-0.50		7.56	7.04	-0.56	8.23	7.85	-0.51

Table A1.4 HBSC post COVID-19 (2017/18-2021/22) country trends, by gender

				ſ	Males					
		Age 15				Age 13			Age 11	
	2017/18	2021/22	Diff.		2017/18	2021/22	Diff.	2017/18	2021/22	Diff.
Albania	7.62	8.48	0.86		8.51	8.85	0.34	8.60	9.20	0.60
Armenia	8.07	8.25	non.sign.		8.22	8.60	0.38	8.61	8.70	non.sign.
Austria	7.78	7.59	-0.19		7.97	8.04	non.sign.	8.27	8.52	0.26
Belgium (Flemish)	7.65	7.73	non.sign.		7.91	8.00	non.sign.	8.15	8.18	non.sign.
Belgium (French)	7.49	7.17	-0.33		7.74	7.55	-0.19	8.00	7.99	non.sign.
Bulgaria	7.64	7.32	-0.32		7.99	7.74	-0.25	7.96	7.72	non.sign.
Canada	7.42	6.96	-0.47		7.61	7.45	-0.16	7.93	7.84	non.sign.
Croatia	8.02	8.02	non.sign.		8.19	8.11	non.sign.	8.42	8.47	non.sign.
Czech Republic	7.64	7.67	non.sign.		7.87	7.90	non.sign.	8.17	8.21	non.sign.
Denmark	7.73	7.51	-0.23		7.81	7.78	non.sign.	8.08	8.13	non.sign.
England	7.26	6.89	-0.37		7.49	7.36	non.sign.	7.84	7.68	non.sign.
Estonia	7.61	7.35	-0.26		7.94	7.73	-0.21	8.21	8.14	non.sign.
France	7.48	7.28	-0.20		7.75	7.41	-0.34	8.06	7.79	-0.27
Germany	7.54	7.50	non.sign.		7.81	7.79	non.sign.	8.11	8.18	non.sign.
Greece	7.41	7.27	non.sign.		7.62	7.52	non.sign.	8.39	8.47	non.sign.
Greenland	7.88	6.74	-1.14		7.80	6.95	-0.85	8.59	7.01	-1.57
Hungary	7.41	7.37	non.sign.		7.71	7.70	non.sign.	8.12	8.02	non.sign.
Iceland	7.51	7.56	non.sign.		7.78	7.71	non.sign.	8.09	7.97	non.sign.
Ireland	7.07	6.66	-0.41		7.61	7.28	-0.33	8.16	7.77	-0.39
Italy	7.31	6.89	-0.42		7.86	7.56	-0.30	8.06	7.74	-0.32
Kazakhstan	8.22	8.18	non.sign.		8.62	8.40	-0.22	8.84	8.45	-0.39
Latvia	7.31	7.13	non.sign.		7.47	7.51	non.sign.	7.75	7.80	non.sign.
Lithuania	7.67	7.45	-0.21		7.98	7.70	-0.28	8.46	7.91	-0.55
Luxembourg	7.49	7.43	non.sign.		7.84	7.94	non.sign.	8.15	8.23	non.sign.
Macedonia	7.96	7.62	-0.34		8.42	7.80	-0.62	8.80	8.24	-0.56
Malta	6.90	6.95	non.sign.		7.16	7.59	0.42	7.95	8.04	non.sign.
Netherlands	7.65	7.32	-0.33		7.94	7.62	-0.32	8.41	8.18	-0.23
Norway	7.72	7.38	-0.34		7.76	7.60	non.sign.	8.33	7.94	-0.39
Poland	7.32	6.77	-0.55		7.75	6.79	-0.96	8.08	7.30	-0.78
Portugal	7.54	7.43	non.sign.		7.78	7.82	non.sign.	8.16	8.33	0.18
Republic of Moldova	7.96	7.93	non.sign.		8.13	8.11	non.sign.	8.58	8.44	non.sign.
Romania	8.05	7.98	non.sign.		8.47	8.26	-0.21	8.72	8.74	non.sign.
Scotland	7.21	6.98	-0.23		7.49	7.46	non.sign.	8.15	7.80	-0.35
Serbia	8.08	8.26	non.sign.		8.24	8.55	0.30	8.68	8.84	non.sign.
Slovakia	7.61	6.42	-1.20		7.75	6.66	-1.08	8.07	7.07	-1.01
Slovenia	7.78	7.51	-0.27		8.04	7.65	-0.39	8.45	8.12	-0.33
Spain	7.94	7.21	-0.73		8.29	7.54	-0.75	8.84	8.44	-0.40
Sweden	7.42	7.25	non.sign.		7.84	7.45	-0.38	8.15	8.10	non.sign.
Switzerland	7.70	7.53	-0.17		7.88	7.65	-0.23	8.21	8.09	non.sign.
Wales	7.37	7.04	-0.33		7.72	7.51	-0.20	8.14	7.89	-0.25
Average:		7.40	-0.35		7.89	7.72	-0.28	8.27	8.09	-0.38

Table A1.5 Children's Worlds co	untry means across waves (age 12, 10)
	""""""""""""""""""""""""""""""""""""""

												Fem	ales											
						Age												Age						
Country		2012 Mean			2013-14 Mean			2016-19			2020-22 Mean		n	2012 Mean			2013-14 Mean			2016-19			020-22	
Albania	n	Iviedii	s.e.	n	Iviedi	s.e.	n 563	Mean 9.84	s.e. 0.03	n 406	9.16	s.e. 0.08		Iviedi	s.e.	n	Iviean	s.e.	n 586	Mean 9.74	s.e. 0.04	n 35	Mean 8.11	s.e. 0.34
Bangladesh							503	8.36	0.03	369	7.66	0.08							571	8.04	0.10	304	7.41	0.17
Belgium							497	8.82	0.10	748	8.32	0.09							513	8.92	0.10	229	8.03	0.17
Brazil	732	9.40	0.05				497	8.74	0.08	/40	0.52	0.09	532	8.76	0.08				480	7.75	0.07	229	0.05	0.1
Canada	69	8.94	0.18				492	0.74	0.11				552	0.70	0.08				400	1.15	0.15			
Chile	338	8.94 7.94	0.18				436	9.04	0.10	413	8.78	0.10	349	8.16	0.15				454	8.10	0.12	364	8.62	0.11
	338	7.94	0.19	470	0.50	0.00	436	9.04	0.10				349	8.10	0.15	402	0.42	0.00	454	8.10	0.12	304	8.62	0.1
Colombia				479	9.56	0.06				472	8.93	0.08				482	9.42	0.06						
Cyprus										231	9.20	0.12												
Germany				552		0.08	376	9.18	0.08	80	7.95	0.22				440	8.44	0.10				80	7.51	0.2
Algeria	245	8.64	0.15	579	9.29	0.06	576	9.31	0.07	237	7.82	0.20	214	8.65	0.17	546	9.22	0.08	511	9.27	0.08	122	7.95	0.2
Estonia				481	9.24	0.08	533	9.36	0.06	241	8.63	0.15				508	8.73	0.08	520	8.58	0.09	314	8.51	0.12
England							325	9.04	0.11				644	8.19	0.08									
Spain (Catalonia)				499	9.25	0.07	1046	9.54	0.04	149	8.89	0.18	2821	9.17	0.03	783	8.73	0.06	971	9.05	0.05	91	8.52	0.24
Ethiopia				474	8.73	0.09										488	8.70	0.08						
Finland							512	9.15	0.08	330	9.02	0.12							566	8.48	0.09	30	8.83	0.3
France							1074	9.02	0.05															
GB (ENG+WAL)				459	8.87	0.09										634	8.10	0.09						
Greece							412	9.70	0.04															
Hong Kong							346	8.61	0.10	138	7.66	0.24							355	7.67	0.12	35	7.49	0.4
Croatia							619	9.56	0.05	302	9.16	0.10							561	8.79	0.09	293	8.90	0.1
Hungary							523	9.14	0.08										527	8.54	0.09			
ndonesia							3704	8.56	0.04	824	8.61	0.07							4037	8.56	0.03	200	8.21	0.1
Israel	490	9.06	0.10	525	9.25	0.08	764	9.20	0.08	342	8.84	0.12	488	9.27	0.08	458	9.26	0.09	697	9.26	0.06	88	9.06	0.1
India		5100	0.20	525	5125	0.00	481	9.10	0.09	0.2	0.01	0.112		5127	0.00		5.20	0.00	487	8.96	0.08		5.00	0.12
Italy							521	9.33	0.07	273	9.14	0.09							577	8.75	0.08	146	8.79	0.1
South Korea	1454	8.13	0.06	1238	8.61	0.06	1631	8.65	0.05	765	7.30	0.05	1503	6.76	0.06	1361	7.27	0.06	1686	7.82	0.05	140	0.75	0.1
Sri Lanka	1454	0.15	0.00	1250	0.01	0.00	509	8.58	0.03	76	7.42	0.36	1505	0.70	0.00	1301	1.21	0.00	520	9.05	0.09	668	8.16	0.1
Malta				352	9.04	0.10	257	9.43	0.09	70	7.42	0.50				474	9.02	0.00	262	8.96	0.09	000	0.10	0.1
				352	9.04	0.10										474	9.02	0.08	202	8.90	0.15			
Malaysia							549	9.22	0.08															
Namibia							586	9.06	0.09										647	8.43	0.09			
Norway				474	9.19	0.07	402	9.30	0.08							549	8.67	0.08	441	8.92	0.09			
Nepal	124	9.16	0.17	486	8.84	0.09	516	8.31	0.10							492	8.67	0.10	509	8.41	0.10			
Poland				521	9.25	0.07	582	9.27	0.07							506	8.22	0.10	590	8.39	0.10			
Romania	501	9.48	0.06	630	9.53	0.06	598	9.48	0.06	677	9.13	0.06	681	9.29	0.05	726	9.49	0.05	518	9.43	0.06	145	9.02	0.1
Russia							512	9.29	0.07										479	8.54	0.09	434	7.89	0.1
Rwanda	132	8.84	0.18																					
Turkey				512	9.63	0.06				234	8.22	0.13				549	8.83	0.10				153	7.17	0.2
Taiwan							664	8.91	0.07	361	7.99	0.10							757	8.33	0.08	164	7.80	0.1
Jganda	472	7.12	0.13										507	6.76	0.13									
JSA	225	9.03	0.13										394	8.51	0.12									
/iernam							442	8.85	0.09										495	8.14	0.09			
Wales							458	8.97	0.10	98	8.70	0.24							821	8.07	0.09	168	8.15	0.1
South Africa				548	8.42	0,12	1773	8.80	0.06	75	9.00	0.24	528	8.52	0.11	614	8.64	0.09	2048	8.81	0.05	325	8.78	0.13
Vote. 'n' represents	camplaci	zo and 's	- listh																				0.7.5	

Note: 'n' represents sample size and 's.e.' is the the standard error. Data from the 2020/22 wave covers age 10/11 and 12/13, contrary to the previous waves where this is ages 10 and 12.

												Ma	ales											
						Age	e10											Age	12					
		2012		2	2013-14	Ļ	2	2016-19		2	020-22			2012		2	013-14		2	2016-19)	2	2020-22	
Country	n	Mean	s.e.	n	Mean	s.e.	n	Mean	s.e.	n	Mean	s.e.	n	Mean	s.e.	n	Mean	s.e.	n	Mean	s.e.	n	Mean	s.e.
Albania							601	9.81	0.03	469	9.15	0.07							574	9.72	0.04	52	8.77	0.25
Bangladesh							413	8.43	0.10	405	7.67	0.14							433	8.23	0.11	275	7.70	0.17
Belgium							507	9.12	0.07	749	8.21	0.09							510	9.17	0.06	205	8.02	0.17
Brazil	555	9.43	0.05				381	8.88	0.11				466	8.99	0.08				401	8.49	0.12			
Canada	67	8.88	0.25																					
Chile	355	8.20	0.16				425	9.21	0.08	408	8.29	0.13	477	8.76	0.10				532	8.61	0.09	359	7.13	0.15
Colombia				441	9.44	0.08				488	8.71	0.09				472	9.26	0.07						
Cyprus										254	9.34	0.09												
Germany				526	9.22	0.07	335	9.13	0.09	98	8.24	0.19				398	8.71	0.09				77	7.29	0.29
Algeria	185	8.71	0.15	569	9.12	0.08	531	8.96	0.09	322	8.03	0.17	208	8.72	0.17	1280	9.05	0.06	519	8.82	0.11	93	8.41	0.25
Estonia				513	9.13	0.08	461	9.14	0.08	264	8.51	0.14				517	8.80	0.08	549	8.74	0.08	319	7.75	0.15
England							313	9.08	0.11				456	8.46	0.09									
Spain (Catalonia)				534	9.25	0.07	996	9.46	0.04	155	8.93	0.14	2793	9.16	0.03	866	8.84	0.06	1010	9.25	0.05	97	7.98	0.26
Ethiopia				470	8.51	0.11										491	8.57	0.09						
Finland							538	9.13	0.08	317	8.58	0.13							493	8.90	0.08	36	8.56	0.29
France							1034	9.19	0.05															
GB (ENG+WAL)				481	8.95	0.08										650	8.70	0.08						
Greece					0.00	0.00	398	9.69	0.05								0.70	0.00						
HongKong							357	8.64	0.10	123	7.43	0.23							458	8.06	0.10	27	8.07	0.38
Croatia							601	9.52	0.06	343	8.92	0.11							568	9.33	0.06	269	8.06	0.15
Hungary							490	9.46	0.05	545	0.52	0.11							455	9.38	0.06	205	0.00	0.15
Indonesia							3794	8.44	0.04	949	8.33	0.07							3891	8.47	0.03	249	8.04	0.14
Israel	491	9.19	0.08	456	9.14	0.09	787	8.84	0.09	284	8.79	0.14	494	9.05	0.09	452	9.16	0.08	720	9.13	0.07	107	8.19	0.26
India	451	5.15	0.00	450	5.14	0.05	465	9.15	0.09	204	0.75	0.14		5.05	0.05	452	5.10	0.00	489	9.14	0.07	107	0.15	0.20
Italy							537	9.25	0.07	272	9.11	0.09							589	9.15	0.06	141	8.63	0.17
South Korea	1157	8.36	0.06	1173	8.69	0.06	1513	8.85	0.05	732	7.43	0.05	1073	7.33	0.07	1216	7.93	0.06		8.51	0.00	141	8.05	0.17
Sri Lanka	1157	8.30	0.00	11/5	0.09	0.00	602	8.55	0.05	54	8.72	0.32	10/3	7.55	0.07	1210	7.55	0.00	674	8.55	0.03	535	8.30	0.12
Malta				476	9.17	0.08	337	9.11	0.11	54	0.72	0.52				446	9.10	0.07	403	9.13	0.09	333	8.50	0.12
				470	9.17	0.08	443	9.11	0.12							440	9.10	0.07	405	9.15	0.09			
Malaysia Namibia									0.08										447	8.71	0.11			
				465	0.16	0.00	466	9.08								412	0.00	0.07			0.11			
Norway	127	0.26	0.16	465	9.16	0.09	357 474	9.28	0.08							412	9.08	0.07	345	9.26	0.07			
Nepal	127	9.26	0.16	479	8.75	0.10		8.08	0.11							494	8.34	0.11	522	8.54	0.08			
Poland				580	9.19	0.07	580	9.26	0.07							491	8.64	0.09	555	8.95	0.08			
Romania	422	9.45	0.06	701	9.59	0.04	573	9.59	0.05	707	9.06	0.07	666	9.29	0.06	761	9.45	0.05	541	9.59	0.05	153	8.96	0.17
Russia							441	9.06	0.08										472	8.95	0.08	442	7.64	0.14
Rwanda	161	8.61	0.18																					
Turkey				525	9.57	0.07				250	8.04	0.14				462	9.06	0.10				141	7.46	0.20
Taiwan		_					662	8.90	0.07	428	7.84	0.11							737	8.42	0.08	200	7.82	0.14
Uganda	519	7.10	0.12										517	6.41	0.14									
USA	271	8.95	0.13										376	8.89	0.10									
Viernam							493	8.49	0.10										575	8.35	0.09			
Wales							452	8.93	0.11	103	8.40	0.26							758	8.50	0.08	154	7.47	0.22
South Africa	samplasia			513			1577		0.06	190	8.84	0.15	449	8.53			8.42			8.78	0.06	385	8.62	0.12

Note. 'n' represents sample size and 's.e.' is the the standard error. Data from the 2020/22 wave covers age 10/11 and 12/13, contrary to the previous waves where this is ages 10 and 12.



Figure A1.4 Country trends in selected countries. HBSC (age 15, 13, 11)

	GWP	PISA		HBSC		C	
	2020/22	2022	2021/22	2021/22	2021/22	2020/22	2020/22
	Age 15-24	Age 15	Age 15	Age 13	Age 11	Age 12-13	Age 10-1
Luxembourg	7.12		7.10	7.46	8.12		
Ireland	7.08	6.59	6.22	6.87	7.73		
Switzerland		7.06	6.99	7.21	7.95		
Norway	7.28		7.05	7.24	7.67		
Singapore	6.45						
U.S.	6.61	c	7.40	7.00	7 70		
Iceland	7.76	6.90	7.12	7.28	7.79		
Denmark	7.45	7.19	7.10	7.32	7.76		
Qatar	7.24	6.77	6.00	C 01	7.00		
Sweden	7.24	6.91	6.80	6.91	7.83		
Australia	6.94	6.60	7.00	7 70	0.00		
Austria	7.34	6.69	7.20	7.70	8.36		
Netherlands Greenland	7.30	7.29	6.90	7.22	7.95		
Finland	7.41	7.41	6.66	6.78	6.98	0.00	0.70
Canada	7.41	7.41	7.46	7.66	8.13 7.54	8.69	8.78
Israel			6.63	7.00	7.54	8.58	8.78
Belgium	7.98 6.95					8.05	
Belgium Belgium (Flemish)	0.95		7.46	7.78	8.05	8.05	8.27
Belgium (French)			6.81	7.20	7.80		
Germany	6.58	6.51	7.12	7.50	8.17	7.41	8.11
New Zealand	6.85	0.51	7.12	7.50	0.17	7.41	0.11
Hong Kong SAR	5.33	6.49				7.74	7.55
U.K. (England)	5.55	6.01	6.51	6.89	7.37	7.74	7.55
U.K. (North Ireland)		6.50	0.51	0.09	1.31		
U.K. (Scotland)		6.48	6.66	6.97	7.64		
U.K. (Wales)		6.16	6.61	7.09	7.70	7.76	8.52
U.K.	6.92	6.07	0.01	7.09	7.70	7.70	0.52
United Arab Emirates	6.54	6.85					
Macao	0.54	6.41					
France	6.83	6.77	6.91	7.16	7.68		
Japan	6.51	6.76	0.51	7.10	7.00		
Italy	6.71	6.53	6.55	7.16	7.55	8.71	9.13
South Korea	6.59	7.20	0.55	7.10	7.55	0.71	7.36
Malta	6.69	6.24	6.48	7.00	7.81		7.50
Taiwan	7.12	6.85		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7.01	7.80	7.91
Kuwait	7.39	0.00					
Cyprus	6.88		7.45	7.99	8.46		9.28
Spain	6.46	6.88	6.77	7.13	8.25		5.20
Spain (Catalonia only)						8.18	8.88
Slovenia	7.17	6.61	7.08	7.34	8.05		
Estonia	6.79	6.91	6.95	7.26	7.91	8.00	8.53
Bahrain	6.52						
Czech Republic	7.17	6.56	7.26	7.51	8.04		
Portugal	6.83	7.06	7.05	7.54	8.21		
Saudi Arabia	6.45	7.36					
Lithuania	7.39	7.14	6.95	7.21	7.71		
Slovak Republic	6.70	7.02	6.00	6.28	6.91		
Latvia	6.86	6.76	6.73	7.06	7.64		
Greece	6.66	6.62	6.70	7.09	8.43		
Hungary	7.03	7.21	6.99	7.33	7.92		
Poland	6.55	6.26	6.20	6.28	7.06		
Uruguay	6.77	7.03					
Croatia	7.51	7.37	7.57	7.91	8.47	8.50	9.03
Chile	6.65	6.41				7.76	8.44
Turkish Republic of Northern Cyprus	5.32						57

Table A1.6A Current state of Adolescents' well-being in High income countries

	GWP	PISA		HBSC		C	N
	2020/22	2022	2021/22	2021/22	2021/22	2020/22	2020/22
	Age 15-24	Age 15	Age 15	Age 13	Age 11	Age 12-13	Age 10-11
China, People's Republic of	6.05						
Russian Federation	6.34		_			7.76	
Costa Rica	6.93	7.32					
Bulgaria	6.29	7.04	7.10	7.34	7.64		
Malaysia	6.41	6.63					
Argentina	6.55	6.69					
Kazakhstan	6.52	8.41	7.97	8.30	8.49		
Mexico	6.77	7.26					
Türkiye, Republic of	5.07	4.90				7.28	8.11
Montenegro	6.56	7.52					
Serbia	7.53	7.48	7.89	8.30	8.84		
Mauritius	6.03						
Gabon	5.52						
Dominican Republic	6.38	7.44					
Brazil	6.46	6.85					
Botswana	4.09						
Bosnia and Herzegovina	6.88						
Thailand	6.75	7.12					
South Africa	5.75					8.60	8.86
North Macedonia	6.58	7.65	7.42	7.79	8.42		
Peru	6.23	6.37					
Albania	6.51	8.01	8.14	8.67	9.18	8.51	9.16
Colombia	5.95	6.96					8.82
Ecuador	6.40						
Paraguay	6.18	7.32					
Libya	5.93						
Azerbaijan	5.34						
Kosovo	6.94	7.87					
Moldova, Republic of	6.94	7.01	7.70	8.02	8.47		
Jamaica	5.81	5.83					
Guatemala	6.65	7.72					
Georgia	6.08	7.62					
Armenia	6.16		8.15	8.52	8.80		
Namibia	5.05						
Iraq	5.61						

Table A1.6B Current state of Adolescents' well-being in Upper Middle income countries

	GWP	PISA		HBSC		C	w
	2020/22	2022	2021/22	2021/22	2021/22	2020/22	2020/22
	Age 15-24	Age 15	Age 15	Age 13	Age 11	Age 12-13	Age 10-11
Lebanon	2.93						
Iran	5.46		_				
Jordan	4.86	6.77					
Sri Lanka	4.80		-			8.22	7.96
Eswatini	3.84						
Egypt	4.38						
Tunisia	4.87						
Morocco	5.34	6.76					
Vietnam	6.06	7.35					
Algeria	5.54					8.15	7.94
Philippines	6.12	6.97					
Bolivia	6.23						
Palestine, State of	5.25						
Honduras	6.47						
Côte d'Ivoire	5.32						
Lao P.D.R.	4.90						
Bangladesh	4.72					7.55	7.66
Ghana	4.84						
Congo	5.78						
India	4.33						
Mauritania	4.61						
Venezuela	5.59						
Kenya	4.78						
Nigeria	5.28						
Nicaragua	6.84						
Uzbekistan	5.98	8.20					
Zimbabwe	3.77						
Cameroon	5.36						
Senegal	5.06						
Cambodia	4.62	7.65					
Comoros	4.01		-				
Pakistan	5.17						
Benin	4.52						
Kyrgyz Republic	6.15		7.95	8.30	8.60		
Nepal	5.67						
Myanmar	4.40						
Tanzania	4.15						
Zambia	4.09						

Table A1.6C Current state of Adolescents' well-being in Lower Middle income countries

Table A1.6D Current state of Adolescents' well-being in Low income countries

	GWP	PISA		HBSC		C	N
	2020/22	2022	2021/22	2021/22	2021/22	2020/22	2020/22
	Age 15-24	Age 15	Age 15	Age 13	Age 11	Age 12-13	Age 10-11
Lesotho	3.80						
Тодо	4.34						
Ethiopia	4.48					_	
Tajikistan	5.61		8.00	8.07	8.10		
Burkina Faso	4.98					-	
Uganda	4.69						
Mali	4.47						
Guinea	5.05						
Gambia	4.52						
Chad	4.56						
Liberia	4.73						
Malawi	3.83						
Yem en	3.93						
Niger	4.63						
Congo, Democratic Republic of the	3.37						
Sierra Leone	3.19						
Madagascar	4.17						
Mozambique	5.32						
Afghanistan	1.96						

	М	odel 1	Model	2
	β	S.E.	β	S.E.
Socio-demographic factors				
Gender (ref.: male)				
Female	0.02	0.06	0.01	0.06
Urban/rural residence (ref.: urban residence)				
Rural residence	0.09	0.06	0.12 *	0.06
Household income (ref.: lowest 20%)				
Second 20%	0.07	0.08	0.08	0.08
Middle 20%	0.10	0.08	0.16	0.08
Fourth 20%	0.25 **	0.08	0.24 **	0.0
Highest 20%	0.22 *	0.09	0.27 **	0.09
10 satisfaction items				
Satisfied with the public transportation system in your city/area			0.16 *	0.07
Satisfied with the roads and highways in your city/area			-0.11	0.07
Satisfied with the quality of air in your city/area			0.13	0.0
Satisfied with the quality of water in your city/area			-0.05	0.0
Satisfied with the availability of affordable housing in your city/area			0.18 **	0.0
Satisfied with the education system/schools in your city/area			-0.03	0.0
Satisfied with the quality healthcare in your city/area			0.42 ***	0.0
Satisfied with opportunities to meet people and make friends in your city/area			0.39 ***	0.0
Satisfied with the city/area where you live			0.46 ***	0.0
Satisfied with your standard of living (things you can buy and do)			1.32 ***	0.0

Table A1.7A Correlates of life satisfaction. Gallup World Poll 2022 (age 15-24). High-income countries

Note. Significance Levels: * 0.05 ** 0.01 *** 0.001. Model 1: R²= 0.00; N=4,147, p<.001. Model 2: R²= 0.14; N=3,390, p<.001

	Mo	odel 1	Model	2
	β	S.E.	β	S.E.
Socio-demographic factors				
Gender (ref.: male)				
Female	0.14 *	0.06	0.19 **	0.06
Urban/rural residence (ref.: urban residence)				
Rural residence	-0.19 **	0.06	-0.17 **	0.06
Household income (ref.: lowest 20%)				
Second 20%	0.14	0.09	0.13	0.10
Middle 20%	0.23 *	0.10	0.10	0.10
Fourth 20%	0.23 *	0.09	0.13	0.10
Highest 20%	0.48 ***	0.10	0.30 **	0.10
10 satisfaction items				
Satisfied with the public transportation system in your city/area			-0.01	0.07
Satisfied with the roads and highways in your city/area			0.04	0.07
Satisfied with the quality of air in your city/area			0.09	0.08
Satisfied with the quality of water in your city/area			-0.03	0.08
Satisfied with the availability of affordable housing in your city/area			0.29 ***	0.07
Satisfied with the education system/schools in your city/area			0.03	0.08
Satisfied with the quality healthcare in your city/area			0.14	0.08
Satisfied with opportunities to meet people and make friends in your city/area			0.38 ***	0.09
Satisfied with the city/area where you live			0.40 ***	0.09
Satisfied with your standard of living (things you can buy and do)			1.52 ***	0.08

Table A1.7B Correlates of life satisfaction. Gallup World Poll 2022 (age 15-24). Upper middle-income countries

Note. Significance Levels: * 0.05 ** 0.01 *** 0.001. Model 1: R²= 0.01; N=6,097, p <.001. Model 2: R²= 0.14; N=5,170, p <.001

	Mc	del 1	Model	2
	β	S.E.	β	S.E.
Socio-demographic factors				
Gender (ref.: male)				
Female	0.18 **	0.05	0.19 **	0.05
Urban/rural residence (ref.: urban residence)				
Rural residence	-0.24 ***	0.06	-0.21 ***	0.06
Household income (ref.: lowest 20%)				
Second 20%	0.04	0.09	-0.01	0.09
Middle 20%	0.20 *	0.09	0.08	0.09
Fourth 20%	0.38 ***	0.09	0.24 **	0.0
Highest 20%	0.60 ***	0.09	0.41 ***	0.0
10 satisfaction items				
Satisfied with the public transportation system in your city/area			0.12	0.0
Satisfied with the roads and highways in your city/area			-0.05	0.0
Satisfied with the quality of air in your city/area			-0.06	0.0
Satisfied with the quality of water in your city/area			0.07	0.0
Satisfied with the availability of affordable housing in your city/area			0.16 *	0.0
Satisfied with the education system/schools in your city/area			0.15 *	0.0
Satisfied with the quality healthcare in your city/area			0.03	0.0
Satisfied with opportunities to meet people and make friends in your city/area			0.15	0.0
Satisfied with the city/area where you live			0.39 ***	0.0
Satisfied with your standard of living (things you can buy and do)			1.49 ***	0.0

Table A1.7C Correlates of life satisfaction. Gallup World Poll 2022 (age 15-24). Lower middle-income countries

Note. Significance Levels: * 0.05 ** 0.01 *** 0.001. Model 1: R²= 0.01; N=10,130, p <.001. Model 2: R²= 0.11; N=9,027, p <.001

		Mo	del 1	Μ	lodel	2
	β		S.E.	β		S.E.
Socio-demographic factors						
Gender (ref.: male)						
Female	0.19	*	0.08	0.16	*	0.08
Urban/rural residence (ref.: urban residence)						
Rural residence	-0.35	***	0.10	-0.37	***	0.10
Household income (ref.: lowest 20%)						
Second 20%	-0.24	*	0.13	-0.22		0.13
Middle 20%	0.16		0.13	0.12		0.13
Fourth 20%	0.50	***	0.13	0.43	**	0.13
Highest 20%	0.59	***	0.13	0.40	**	0.13
10 satisfaction items						
Satisfied with the public transportation system in your city/area				-0.08		0.10
Satisfied with the roads and highways in your city/area				0.03		0.10
Satisfied with the quality of air in your city/area				-0.13		0.10
Satisfied with the quality of water in your city/area				0.23	*	0.09
Satisfied with the availability of affordable housing in your city/area				0.23	*	0.09
Satisfied with the education system/schools in your city/area				0.27	**	0.10
Satisfied with the quality healthcare in your city/area				0.28	**	0.10
Satisfied with opportunities to meet people and make friends in your city/area				0.14		0.10
Satisfied with the city/area where you live				0.15		0.10
Satisfied with your standard of living (things you can buy and do)				1.28	***	0.09

Table A1.7D Correlates of life satisfaction. Gallup World Poll 2022 (age 15-24). Low-income countries

Note. Significance Levels: * 0.05 ** 0.01 *** 0.001. Model 1: R²= 0.02; N=5,503, p <.001. Model 2: R²= 0.10; N=5,112, p <.001

Appendix 2: PISA-HBSC discrepancies at age 15

This technical appendix examines the discrepancies in country means and trends observed in PISA and HBSC data at age 15. These differences are illustrated in Table 1 in the chapter, and Table A2.1 and Figure A2.1 below:

- Country means. Figure A2.1 plots country means in HBSC and PISA. If country means were the exact same in both datasets, all the countries would fall on the 45 degree line, but there is dispersion around this line. In general, country means in life satisfaction tend to be higher in HBSC than in PISA. In most countries, HBSC-PISA differences in country means can be considered small or moderate. However, a few of them fall quite far away from the line, indicating large HBSC-PISA differences. This includes the Czech Republic, Russia, Slovenia, Turkey, and the U.K. (England, Scotland, and Wales) in 2017/18, and Slovakia, Slovenia, Austria, Germany, Moldavia, Kazakhstan, and the U.K. (England and Wales only) in 2021/22.
- Country trends. In countries such as Austria and Switzerland, pre-pandemic declining trends are observed in both PISA and HBSC. However, in many of the countries that experienced a pre-COVID-19 decline in PISA between 2015 and 2018, this decline is not observed in HBSC data between 2013/14 and 2017/18. This includes Western Europe, where HBSC data shows a mixed picture, but mainly increases, whereas PISA shows only declines; Central and Western Europe, where HBSC shows an overall increase, whereas PISA shows an overall decline; and the only CIS country with available data in both studies, Russia, where PISA shows a decline, and HBSC shows no statistically significant changes (*p*<0.05). PISA and HBSC post-pandemic trends are more consistent with a few exceptions like Scotland, discussed below.

	PISA (Age 15) Country means			Trends			HBSC (Age 15 Country means			Tre	ends
Country	2015	2018	2022	2015-18	2018-22	Country	2013/14	2017/18	2021/22	2013/14-17/18	2017/18-21/2
Western Europe:	2015	2010	LULL	2013 10	LOID LL	Western Europe:	2013/14	2017/10	LOLI/LL	2013/14 17/10	2017/10 21/2
Austria	7.52	7.14	6.69	-0.39	-0.44	Austria	7.53	7.29	7.20	-0.24	non.sign.
elgium	7.49										
						Belgium (Flemish)	6.89	7.48	7.46	0.60	non.sign.
						Belgium (French)	7.19	7.22	6.81	non.sign.	-0.41
						Cyprus	6.99		7.45	-	
Denmark			7.19			Denmark	7.37	7.48	7.10	non.sign.	-0.39
inland	7.89	7.61	7.41	-0.28	-0.21	Finland	7.47		7.46	-	
rance	7.63	7.19	6.77	-0.44	-0.42	France	6.97	7.28	6.91	0.32	-0.37
Germany	7.35	7.02	6.51	-0.33	-0.51	Germany	7.05	7.33	7.12	0.28	-0.21
Greece	6.91	6.99	6.62	non.sign.	-0.37	Greece	7.16	7.04	6.70	non.sign.	-0.34
						Greenland	7.48	7.49	6.66	non.sign.	-0.83
celand	7.80	7.34	6.90	-0.46	-0.44	Iceland	7.47	7.26	7.12	-0.21	-0.14
reland	7.30	6.74	6.59	-0.57	-0.15	Ireland	7.01	6.89	6.22	non.sign.	-0.67
taly	6.89	6.91	6.53	non.sign.	-0.38	Italy	6.95	7.11	6.55	0.16	-0.55
uxembourg	7.38	7.04		-0.34		Luxembourg	7.01	7.35	7.10	0.33	-0.24
Aalta			6.24			Malta	7.11	6.71	6.48	-0.40	-0.23
letherlands	7.83	7.50	7.29	-0.33	-0.21	Netherlands	7.36	7.33	6.90	non.sign.	-0.43
						Norway	7.54	7.48	7.05	non.sign.	-0.43
ortugal	7.36	7.13	7.06	-0.24	non.sign.	Portugal	6.99	7.35	7.05	0.36	-0.29
pain	7.42	7.35	6.88	non.sign.	-0.46	Spain	7.30	7.64	6.77	0.34	-0.87
Sweden			6.91			Sweden	6.83	7.10	6.80	0.27	-0.30
witzerland	7.72	7.38	7.06	-0.34	-0.31	Switzerland	7.54	7.34	6.99	-0.19	-0.35
J.K.	6.98	6.16	6.07	-0.81	non.sign.						
J.K. (England)	6.94	6.12	6.01	-0.82	non.sign.	U.K. (England)	6.81	7.11	6.51	0.30	-0.60
J.K. (Northern Ireland)	7.24	6.58	6.50	-0.67	non.sign.	ona (zngrana)	0.01		0.01	0.00	0100
J.K. (Scotland)	7.17	6.25	6.48	-0.92	0.23	U.K. (Scotland)	7.14	7.03	6.66	non.sign.	-0.37
J.K. (Wales)	7.13	6.45	6.16	-0.68	-0.29	U.K. (Wales)	6.93	7.09	6.61	0.16	-0.48
Average:	7.37	6.94	6.69	-0.51	-0.31	Average:	7.17	7.25	6.90	0.15	-0.43
Average.	1.57	0.54	0.09	-0.51	-0.51	Average.	/.1/	7.25	0.50	0.15	-0.43
Central and Eastern Euro	na					Central and Eastern Eur	000				
Albania	<u>he</u>		8.01			Albania	7.71	7.56	8.14	pop sign	0.58
Bulgaria	7.42	7.15	7.04	-0.26	non.sign.	Bulgaria	7.43	7.59	7.10	non.sign. 0.16	-0.49
Croatia	7.90	7.69	7.37	-0.28	-0.32	Croatia	7.43	7.72	7.57	0.23	-0.49
	7.05	6.91	6.56	-0.22	-0.32		6.99	7.43	7.26	0.23	
Czech Republic						Czech Republic					-0.17
stonia	7.50	7.19	6.91	-0.31	-0.28	Estonia	7.33	7.35	6.95	non.sign.	-0.40
lungary	7.17	7.12	7.21	non.sign.	non.sign.	Hungary	7.09	7.14	6.99	non.sign.	non.sign.
Kosovo	7.07	7.46	7.87	0.24	0.40	tate da	7.00	7.00	6 70		0.07
atvia	7.37	7.16	6.76	-0.21	-0.40	Latvia	7.06	7.00	6.73	non.sign.	-0.27
ithuania	7.86	7.61	7.14	-0.26	-0.47	Lithuania		7.47	6.95		-0.52
Montenegro	7.75	7.69	7.52	non.sign.	-0.16						
North Macedonia			7.65			North Macedonia	7.11	7.82	7.42	0.70	-0.39
Poland	7.18	6.74	6.26	-0.44	-0.49	Poland	6.80	7.03	6.20	0.23	-0.84
Romania			7.53			Romania	7.61	7.94	7.76	0.32	-0.18
Serbia			7.48			Serbia		7.85	7.89		non.sign.
Slovakia	7.47	7.22	7.02	-0.25	-0.20	Slovakia	7.06	7.36	6.00	0.29	-1.35
Slovenia	7.17	6.86	6.61	-0.32	-0.25	Slovenia	7.41	7.45	7.08	non.sign.	-0.36
Average:	7.44	7.21	7.18	-0.27	-0.33	Average:	7.26	7.48	7.15	0.34	-0.38
<u>cis</u>						CIS					
						Armenia	8.19	8.06	8.15	non.sign.	non.sign.
						Azerbaijan		7.83			
Baku (Azerbaijan)			6.80								
Georgia			7.62			Georgia		7.57			
Kazhastan			8.41			Kazakhstan		8.18	7.97		-0.21
						Kyrgyzstan			7.95		
Republic of Moldova			7.01			Republic of Moldova	7.87	7.85	7.70	non.sign.	-0.15
Russia	7.76	7.32		-0.44		Russia	6.94	6.92		non.sign.	
					-	Tajikistan			8.00		
						Ukraine	7.31	7.34		non.sign.	
Uzbekistan			8.20								
Average:	7.76	7.32	7.61	-0.44		Average:	7.58	7.68	7.95		-0.18
Hiteroge.				0,111		Area age.					0120
North America and ANZ						North America and AN	Z				
						Canada	7.18	6.98	6.63	-0.19	-0.36
New Zeeland			6.27			Culludu	7.10	0.50	0.00	0.15	0.30
			0.27								
New Zealand U.S.	7.36	6.75		-0.60							

Table A2.1 Regional and country trends at age 15 in PISA (2015-18-22) and HBSC (2013/14-17/18-21/22)

Middle East and North	Africa					Middle East and	North Africa			
						Israel	7.56	7.47	non.sign.	
Jordan			6.77						5	
Morocco			6.76							
Qatar	7.41	6.84	6.77	-0.56	non.sign.					
Saudi Arabia		0.01	7.36							
Tunisia	6.90									
Turkey	6.12	5.62	4.90	-0.50	-0.72	Turkey		6.09		
United Arab Emirates	7.30	6.88	6.85	-0.42	non.sign.	,				
Average:	6.93	6.45	6.57	-0.49	-0.72	Av	erage: 7.56	6.78		
							0			
Latin America and the C	aribbean					Latin America an	d the Caribbean			
Argentina			6.69							
Brazil	7.59	7.05	6.85	-0.53	-0.21					
Chile	7.37	7.03	6.41	-0.34	-0.62					
Colombia	7.88	7.62	6.96	-0.27	-0.66					
Costa Rica	8.21	7.96	7.32	-0.25	-0.64					
Dominican Republic	8.50	8.09	7.44	-0.41	-0.65					
El Salvador			7.40							
Guatemala			7.72							
Jamaica			5.83							
Mexico	8.27	8.11	7.26	-0.16	-0.85					
Panama			7.04							
Paraguay			7.32							
Peru	7.50	7.31	6.37	-0.19	-0.94					
Uruguay	7.70	7.54	7.03	-0.16	-0.50					
Average:	7.88	7.59	6.97	-0.29	-0.63	Av	erage:			
East Asia						East Asia				
China (B-S-J-G)	6.83									
Hong Kong	6.48	6.27	6.49	-0.20	0.22					
Japan	6.80	6.18	6.76	-0.62	0.58					
Macau	6.59	6.07	6.41	-0.52	0.34					
Mongolia			7.20							
South Korea	6.36	6.52	6.36	0.15	-0.16					
Taiwan	6.59	6.52	6.85	non.sign.	0.33					
Average:	6.61	6.31	6.68	-0.30	0.26	Av	erage:			
Southeast Asia						Southeast Asia				
Brunei Darussalam			5.86			200thcust Asia				
Cambodia			7.65							
Indonesia			7.22							
Malaysia		7.04	6.63		-0.40					
Philiphines		7.04	6.97		0.40					
Thailand	7.71	7.64	7.12	non.sign.	-0.51					
Vietnam	7.71	7.04	7.12	non.sign.	-0.51					
Average:	7.71	7.34	6.97		-0.46	Δν	erage:			
Avelage.	7.71	7.34	0.57	l i i i i i i i i i i i i i i i i i i i	-0.40	AV	cruge.			

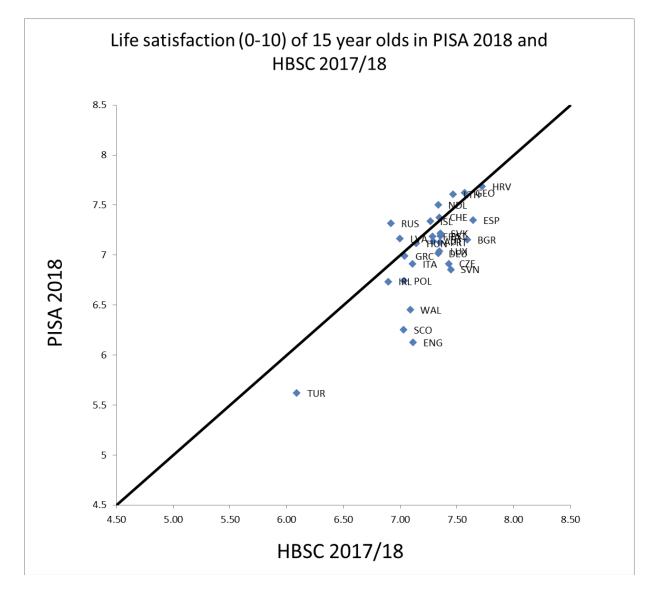
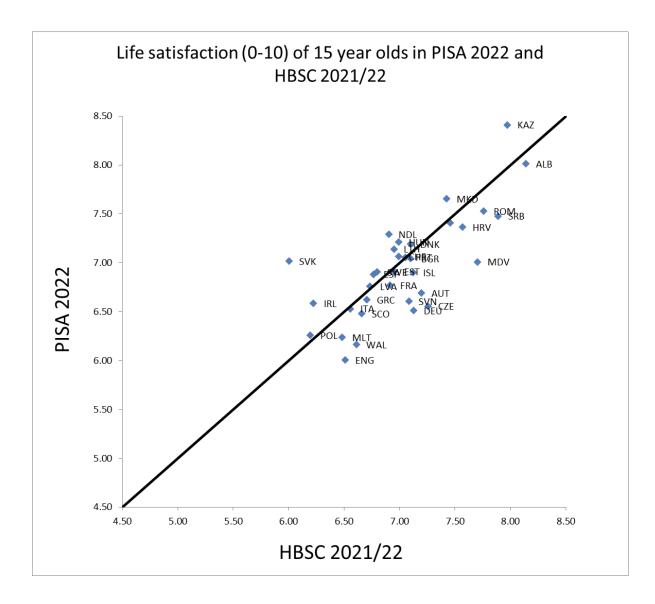


Figure A2.1 HBSC-PISA discrepancies at age 15



There are several factors that may explain these discrepancies:

- 1. Different measures. HBSC uses an adapted version of the Cantril Ladder ("Here is a picture of a ladder. The top of the ladder '10' is the best possible life for you, and the bottom '0 'is the worst possible life for you. In general, where on the ladder do you feel you stand at the moment? Tick the box next to the number that best describes where you stand."), whereas PISA uses an overall life satisfaction question ("The following question asks how satisfied you feel about your life, on a scale from "0" to "10". Zero means you feel 'not at all satisfied' and "10" means 'completely satisfied'. Overall, how satisfied are you with your life as a whole these days?"). Across different languages and cultures, respondents may interpret and respond to these two questions slightly differently.
- 2. Different year and month of data collection, and different lag between waves. HBSC data was collected throughout 2013/14, 2017/18 and 2021/22 (and up to early 2023 in Canada), whereas PISA was collected in 2015, 2018, and 2022. In HBSC, there is variation across countries in the time of data collection. For example, in 2021/22, this varies from one month in countries like Slovenia or Austria to up to 15 months in Canada, and this was not much different in previous waves. In PISA, in the Northern Hemisphere, data tends to be collected March-May, with the notable exception of the U.K., where data is collected in October-December, as explained in detail below.
- 3. Different school year and age. Both HBSC and PISA target students aged 15, with some variations. HBSC targets students aged 15.5 on average, which may include students from different school years. It aims at a minimum of 95% of the eligible target population being included in the sample frame. It uses cluster sampling, and the primary sampling unit is school class (or schools, when this is not possible). In contrast, PISA targets students between the ages of 15 years and 3 months and 16 years and 2 months who are enrolled in an educational institution at Grade 7 or higher. It also uses cluster sampling, with the school as the sampling unit, and also aims at an exclusion rate no higher than 5%. An exploration of PISA 2018 data shows substantial cross-country variation in the average school year. This can make a difference in country means, as we know that subjective well-being declines throughout adolescence and, at this age, school pressure increases in higher school years when high-stake exams may become more common and decisive for many adolescents. The average school year in PISA 2018 ranged between 9 and 10 in most countries (e.g. 9.53 in the Czech Republic, 9.39 in Germany, 9.97 in Slovenia, 9.84 in Turkey), but was notably lower in countries such as Estonia (8.80), Finland (8.86), Poland (8.98), and Russia (9.02), and higher in the U.K., which emerges as an outlier with an average school year of 11.13. In some countries, changes in the average school year from one wave to another can partly explain changes in trends, which is the case for Scotland in PISA 2015-2018, explained in more detail below.
- 4. Sampling issues (PISA exclusions). There are increasing concerns about sampling issues in international large-scale assessments, notably involving exclusion rates. This includes PISA, with reports that the percentage of the 15-year-old student population represented in PISA would be as low as 50% in Canada or 60% in the U.K., which is rather far away from the 95% objective.

5. Survey context. Unlike HBSC, PISA asked students about their life satisfaction right after/before taking a long academic test. Although this is not a high-stakes examination, it may trigger negative feelings in students at a time of their academic journey when academic pressure is increasing. In both PISA and HBSC, females tend to report lower life satisfaction than males, but this gender gap is larger in PISA than in HBSC, and research shows that, compared to males, females take the PISA academic test more seriously, and tend to suffer from higher test and academic anxiety.

Overall, the above indicates that, in some countries, PISA and HBSC may not be measuring well-being in the exact same way (slightly different measures), in the same context (on the day of a long academic test, or not) and, importantly, in the exact same population (different school year, average age, cohort, and time of data collection). All this together may partly explain PISA-HBSC differences in country means and trends. In those countries where there are substantial HBSC-PISA differences, we call for caution when interpreting the results for either study, and recommend contrasting these results with evidence from other data sources using representative samples in this age group. Below, we present an examination of the most extreme case of PISA-HBSC discrepancies: the U.K..

PISA-HBSC discrepancies in the United Kingdom

In the U.K., overall life satisfaction levels in HBSC 2017/18 (7.11 in England, 7.09 in Wales, and 7.03 in Scotland) were on average almost 1 point higher than those in PISA 2018 (6.12 in England, 6.45 in Wales, 6.25 in Scotland, and 6.58 in Northern Ireland). Moreover, whereas the 2015-18 PISA data shows a huge decline in country means in the four U.K. nations (-0.82 points in England, -0.68 points in Wales, -0.92 points in Scotland, and -0.67 points in Northern Ireland), HBSC 2013/14-17/18 data shows increases in England (0.30 points) and Wales (0.15 points), and no statistically significant differences in Scotland (p<0.05).

These results are hard to reconcile, although the factors described above may explain some of these differences. First, as noted earlier, these are two slightly different subjective well-being measures. Second, the data was collected in relatively different years and months. In the last three waves, HBSC data was collected in the following times: in England (Sep 2013 - Apr 2014; Jun 2017 - Jul 2018; Mar-Jul 2022), Wales (Nov 2013 - Mar 2014; Sep - Dec 2017; Aug 2021 -Jan 2022), and Scotland (Feb-Jun 2014; Feb-Jun 2018; Mar-Jun 2022). In contrast, in PISA 2015, data collection took place in Oct-Dec in England, Wales and Northern Ireland, and in Mar-May in Scotland, while in PISA 2018 and 2022, data collection took place in Oct-Dec in the four U.K. nations. Third, most notably, the above indicates that HBSC participants are on average 5-6 months younger and enrolled in a lower school year. For example, the average age of HBSC participants targeted in this age group in 2017/18 in England was 15.47, while this was 15.90 among PISA 2018 participants. Fourth, there is evidence of sampling issues affecting PISA, especially in relation to exclusion rates, which have been reported to be up to 40% in the U.K.. Finally, the survey context is also important because having a long exam on the same day students are asked a life satisfaction question may affect students' responses to this question. As noted above, while females tend to report lower life satisfaction than males in both HBSC and

PISA, this gender gap is larger in PISA than in HBSC. The fact that, compare to males, females take the PISA academic test more seriously, and tend to suffer from higher test and academic anxiety, could explain why the gender gap is larger in PISA than in HBSC. Thus, a drop in students' life satisfaction on the day of an academic test, which would be particularly acute among females, could partly explain why PISA life satisfaction levels are on average lower than those in HBSC. All this suggests that, especially in the U.K., HBSC and PISA do not ask about students' well-being in the same way, in the same context, and to the same population of students.

The above may partly explain differences in country means, but HBSC-PISA differences in trends in the 5-6 years preceding the pandemic are harder to reconcile. The discrepancies in Scotland, the country that experienced the most substantial decline in well-being in PISA 2015-18 (-0.92 points), can partly be due to changes in the time of PISA data collection. This was moved from March-May in 2015 to Oct-Dec in 2018, resulting in an increase in the average school year of participants of almost 6 months, as well as an increase of some 4 months in the average age of participants. However, the discrepancies in England and Wales, with small increases in HBSC and large declines in PISA, are more difficult to understand. Looking at evidence from other studies using representative samples targeting this population group can shed light on this question. The Good Childhood Report regularly examines these trends in the U.K. using data from Understanding Society, a household survey that collects overall life satisfaction data on a 1-7 scale in a sample of 10-15 year olds. Their analyses use a version of this scale that has been reversed and converted into a 0-10 scale that is similar to PISA's overall life satisfaction measure. Their results show a substantial decline since the early 2010s, which is more pronounced after 2016. This contradicts HBSC findings, and is consistent with PISA findings and the plethora of studies reporting declining trends in different measures of adolescents' subjective well-being and related constructs in this period. Overall, more research is needed to better understand HBSC-PISA discrepancies in the U.K., but this is beyond the scope of this technical appendix.

In view of the above, we can be confident about the decline in adolescent subjective well-being observed in the 2010s in the U.K., but we would not be able to affirm this on the basis of evidence from international studies alone due to discrepancies in the available data from these studies. This speaks of some of the limitations in data availability in international studies on child and adolescent well-being discussed in this chapter.

A call for caution

In most countries, the evidence base on child and adolescent subjective well-being trends is far more scarce than in the U.K.. Often, the only data available exists thanks to the incredible efforts of studies such as PISA, HBSC and Children's Worlds. The available data provides solid evidence regarding some of the findings reported in this chapter. However, contrasting evidence emerges in some analyses. For example, with the available international data, we cannot confirm the existence of positive or negative trends in life satisfaction at age 15 in many Central and Eastern Europe in the 5-6 years preceding the pandemic. Overall, caution is needed when interpreting evidence on pre-pandemic trends at age 15 in those countries that present HBSC-PISA discrepancies. National studies can provide further support to trends observed in international studies, as it has been described for the U.K. above. However, in countries lacking

alternative data, caution is needed when making claims about trends during these years for this age group. Further research is essential to better understand the factors explaining these discrepancies.

Endnotes

- ⁷² Diener et al. (2010); Wierzbicka (2004)
- ⁷³ Cosma et al. (2023); Inchley (2016); Inchley et al. (2020)
- ⁷⁴ See HBSC survey protocol, retrieved from: <u>https://hbsc.org/publications/survey-protocols/</u>

⁷⁵ See the PISA 2018 Technical Report, retrieved from: <u>https://www.oecd.org/pisa/data/pisa2018technicalreport/</u> and <u>https://www.oecd.org/pisa/pisafaq/#:~:text=PISA%20assesses%20students%20between%20the,at%20grade%207%</u> 20or%20higher

- ⁷⁶ Casas and González-Carrasco (2019)
- ⁷⁷ Banks and Smyth (2015)
- ⁷⁸ Jerrim (2023)
- ⁷⁹ Atasever et al. (2023)
- ⁸⁰ Anders et al. (2021)
- ⁸¹ Andersson and Sandgren Massih (2023); Jerrim (2021)
- ⁸² Cosma et al. (2020)
- ⁸³ Anaya and Zamarro (2023)
- ⁸⁴ Marquez (2023); Von Der Embse et al. (2018)
- ⁸⁵ Jerrim (2021)
- ⁸⁶ Anaya and Zamarro (2023)
- ⁸⁷ Marquez and Main (2020); Von Der Embse et al. (2018)
- ⁸⁸ See The Children's Society (2023)
- ⁸⁹ Ball et al. (2023); Sutcliffe et al. (2022)