

Children's views on their lives and well-being in 15 countries:

A report on the Children's Worlds survey, 2013-14



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Acknowledgements

The project team would like to thank the Jacobs Foundation for their generous funding which made it possible to conduct this wave of the Children's Worlds study and for their support through the process of completing this work.

We are grateful to the peer reviewers – Gordon Alexander, Yekaterina Chzhen and Haridhan Goswami – who gave valuable feedback during the report-writing process.

Finally, we would like to thank the schools and other organisations within each country who facilitated the survey and, most importantly, the 53,000 children who spent time completing the survey and providing the views and experiences on which this report is based.

About this report

This report has been prepared and edited by Gwyther Rees and Gill Main at the University of York, UK. It is the product of a collaborative effort between the international team of researchers working on this wave of the Children's Worlds survey listed on the following page.

It can be cited as follows:

Rees, G. & Main, G. (eds) (2015) *Children's views on their lives and well-being in 15 countries: An initial report on the Children's Worlds survey, 2013-14*. York, UK: Children's Worlds Project (ISCWeb)

Further information

Further information about the Children's Worlds project can be found on the project website at www.isciweb.org.

If you have any queries about the project, please e-mail: childrensworlds.iscweb@gmail.com

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Chapter I

Introduction

This is an initial report on the second wave of the Children's Worlds survey - a major new international study of children's lives and well-being. This wave of the survey, funded by the Jacobs Foundation, has so far gathered data from over 53,000 children aged around 8, 10 and 12 years old in 15 countries across four continents. This report presents findings from over 30,000 children aged 10 to 12 and provides new comparative insights into the context of children's lives, how children spend their time and how they feel about their lives.

This introductory chapter provides a brief overview of the development of the Children's Worlds project and describes the purpose and content of the report.

The Children's Worlds project: Overview

Aims

Children's Worlds, the International Survey of Children's Well-Being (ISCWeB), is a worldwide research survey on children's subjective well-being.

The project fills a substantial gap in international comparative research evidence on children's own views of their lives and well-being. Some international studies of children gathering some relevant data already exist¹ but they are limited either in the diversity of countries included and/or in the scope of the topics they cover.

The study aims to collect solid and representative data on children's lives and daily activities and on their perceptions and evaluations of their lives. The purpose is to improve children's well-being by creating awareness among children, their parents and their communities, opinion leaders, decision makers, professionals and the general public.

Concepts

The thinking behind the project draws together several related strands and areas of interest.

First, we wished to focus on childhood as an important life stage in its own right, rather than as a preparation for adulthood. Social research on children is often concerned with the implications of certain experiences in childhood for 'outcomes' in later life – for example whether childhood poverty affects educational attainment. These are very important issues. However childhood, while it has different meanings and definitions in different contexts, is a significant and substantial period in people's lives and merits consideration in itself, and not only because of how it may affect later life stages.

Second, we wished to focus on children as social actors. Many social surveys gather statistics on children primarily as members of families or households. A drawback of this approach is

¹ For example the Health Behaviour in School-aged Children (HBSC) survey, the Kidscreen initiative and the Young Lives study

that children's status becomes defined by their household or family status and this may not reflect their personal experience. For example, a household may be defined as 'not in poverty' on the basis of household income, but a child in that household may still experience material deprivation depending on the spending choices that adults in the household make. It has been argued for some time² that children should be a 'unit of observation' in social accounting. As we will see in Chapter 3 this issue has become particularly pertinent in some countries where substantial minorities of children no longer live in a single household.

In line with the above, a third consideration was that we wanted to gather information directly from children about their views and experiences. As well as recognising children as social actors this approach is very much in line with the spirit of the UN Convention on the Rights of the Child and the importance it places on providing opportunities for children to express their views, listening to these views and taking them seriously.

Fourth, we were interested in exploring the fullest possible range of topics, ensuring that we included topics that children themselves felt were important. To this end the early stages of development of the project included extensive piloting and discussion with children about the questionnaire content. This consideration also led us to want to focus on positive and evaluative indicators rather on indicators based on problems and behaviours.

Finally, we wished to explore the concept of children's subjective well-being. There has been a remarkable growth in interest internationally in the topic of subjective well-being over the last few decades. There is now a substantial research evidence base on this topic in relation to adults, and the issue of subjective well-being has attracted the interest of governments and policy organisations³. In comparison the study of children's subjective well-being has lagged behind. In recent years there have been a number of studies within specific countries, including some done by members of the core group for the Children's Worlds project itself⁴. There is also some subjective data available for the Health Behaviour in School-aged Children survey, which has been used in two of the UNICEF Report Cards⁵ and in two recent journal articles⁶. However international comparative data on children's subjective well-being across the full range of relevant aspects of their lives has not been available prior to the study described in this report.

The term 'well-being' is used in many different ways in different contexts and so it seems necessary to provide some clarity about the particular conceptualisation of well-being that we have adopted for the Children's Worlds project. First of all, our approach to well-being is entirely focused on self-report information gathered from children – i.e. self-reported well-being. We recognise that the well-being concept can encompass a much wider range of information such as social indicators. We have attempted to clarify this specific focus in, for example, the title of this report. Second, even within the delimited field of self-reported well-being there are many different ideas and conceptual frameworks. For this phase of the project we have been interested to explore one of the most common frameworks which divides self-reported well-being into three components – cognitive subjective well-being, affective subjective well-being and psychological well-being. We discuss this framework in a little more detail in Chapter 4. The questionnaires contained some questions designed to tap into each of these

² e.g. Qvortrup (1997)

³ e.g. Stiglitz, Sen & Fitoussi (2009); OECD (2013); Evans et al (2015)

⁴ e.g. Hurrelmann & Andresen (2010); The Children's Society (2014); UNICEF Spain (2012)

⁵ UNICEF Office of Research (2007) and (2013)

⁶ Bradshaw et al. (2013); Klocke et al. (2014)

concepts. We plan in the future to do analytical work, using this data, to test out (possibly for the first time) this three-component framework for children in a comparative international context. However, this report primarily focuses (apart from a small amount of material in Chapter 4) on cognitive subjective well-being (children's evaluations of their lives) which is the most widely-explored of the three components in research on adult and child self-reported well-being. Our understanding of cognitive subjective well-being is that it incorporates evaluations of life as a whole and also of particular aspects or domains of life. The structure of the questionnaires and this report are based on one way of delineating different relevant domains of children's lives based on our own previous research and other research literature. This is discussed further in the introductions to Chapter 4 and Chapter 14. However we view this as 'work in progress' and hope to test, develop and refine this framework through ongoing analysis of the data gathered in this wave of the survey.

The overall conceptual framework described so far in this section is in keeping with some of the shifts in focus in the field of study of child well-being identified by Ben-Arieh (2008) – (a) from survival to well-being; (b) from negative aspects to positive ones; (c) from well-becoming to well-being; and (d) from traditional indicators to new child-centred domains.

Within this overall framework, the specific current focus of the Children's Worlds project is on middle childhood – that is, the ages of 8 years old to 12 years old inclusive. The rationale for this focus is that this is an age group which has been relatively neglected by existing research into children and young people which has tended to concentrate either on early childhood or on adolescence.

History of the Children's Worlds project

Initiation and early development

The project began in 2009 when a group of researchers, mainly from the International Society for Child Indicators (ISCI), held a meeting hosted by UNICEF Regional Office for the CEECIS to discuss the potential need for the survey. The group agreed that such a survey would fill an important gap in knowledge internationally about children's lives. One of the products of the meeting was an early version of a survey questionnaire which was based on a combination of the participants' existing research on this topic area. This first draft questionnaire was tested and piloted in the summer and autumn of 2010 in six countries⁷.

In December 2010, the findings of these pilot surveys were presented and discussed at a meeting hosted by World Vision, Germany and this led to a second draft version of the questionnaire which was then piloted in the first half of 2011 in five countries⁸.

The pilot survey

In October 2011, members of the research group reviewed the learning from the second pilot and drew up a third set of the survey questionnaires with separate versions for children aged 8, 10 and 12 years old. These questionnaires were then used in a range of 14 countries⁹ for a large-scale deep pilot of the survey. Over 34,000 children participated in this wave of the survey. The data was gathered into an international database and some preliminary findings were presented

⁷ Brazil, England, Germany, Honduras, Israel, Spain.

⁸ Germany, Romania, South Africa, Spain and Turkey.

⁹ Algeria, Canada, Chile, England, Israel, Nepal, Romania, Rwanda, South Africa, South Korea, Spain, Uganda, United States.

for peer review at a meeting hosted by UNICEF Innocenti Research Centre in Florence in November 2012 and at the ISCI conference in Seoul in May 2013. Data from the pilot wave was used as the basis for a series of articles published in a special issue of *Child Indicators Research* in early 2015¹⁰.

The current survey

The pilot survey was reviewed and learning from this review was used to refine the questionnaires, leading to three versions of the questionnaire for different age groups that have been used in the current wave of the survey.

The current wave of the project is funded by the Jacobs Foundation and consists of a survey of children aged 8 to 12 which has so far been completed by just over 53,000 children in 15 countries. The survey is currently under way in a further five countries. A complete listing of the countries is shown in the table on the next page. In some countries, the survey covered the whole country while in other countries the survey covered a specific region. Further details are provided in Chapter 2, which also provides a description of survey methodology.

Selection of countries for the current survey

The selection of countries to participate in the current wave of the survey was based on a thorough and contextually-driven process. As one of the goals of this project is to study children's well-being within different contexts we took existing conceptual frameworks¹¹ and relevant data (e.g. the Human Development Index) into consideration in selecting the sample as our intention was to include as diverse a range of countries across as many continents as possible. Finally we also took into account the potential value of including countries with different primary religious faiths.

Based on all of the above considerations, we selected the sample as follows. First, based on the Esping-Andersen typology and its extensions, we selected one social-democratic country (Norway); one conservative country (Germany); one western Mediterranean country (Spain); one liberal country (UK (England)) and one Asian, productivist welfare state (South Korea). We further included two eastern Mediterranean countries (Turkey and Israel); two eastern European countries (Estonia and Romania) which are in process of transformation into a welfare state, but at a somewhat different pace and with different demographics and finally we chose four countries (Algeria, Colombia, Ethiopia and Nepal) that were not yet included in any welfare regime typology. In making these selections we also ensured a geographical distribution with countries from different parts of Europe, Africa, Latin America, Asia and the Middle East.

Subsequently, in addition to these 13 countries funded by the grant from the Jacobs Foundation, two additional countries – South Africa and Poland – also joined and completed the survey in time for their data to be included in this report.

The survey is currently under way in a further five countries and, in the future, it will be possible to include data from these additional countries in the international data set.

¹⁰ Child Indicators Research, 8, 1, 227-241

¹¹ Esping-Andersen (1990) and more recent related literature – e.g. Arts & Gelissen (2002); Ajsenstadt and Gal (2010)

Table 1: Countries participating in the current wave of the survey

Survey completed			Survey in progress
Algeria	Israel	South Africa	Argentina
Colombia	Nepal	South Korea	Italy
Estonia	Norway	Spain	Malta
Ethiopia	Poland	Turkey	Portugal
Germany	Romania	UK (England)	UK (Wales)

In summary, then, the original sample of participating countries is highly diverse and will enable us to address a wide range of broad questions of interest, as well as exploring whether this kind of research using standard measures is useful across such a variety of countries. This diversity needs to be taken into account in contextualising and interpreting the findings presented in this report (see further discussion in next section).

This report

Purpose

The purpose of this report is to provide an introduction to the data gathered through the survey and to present some primarily descriptive analysis focusing on age, gender and country differences. We have sought to present the information in an accessible format for a range of audiences and have limited the amount of technical research information. More detailed additional technical information on relevant issues is available via the project website.

As explained in Chapter 2 there were substantial differences between the questionnaire for the youngest age group (around 8 years old) and the older two age groups (around 10 and 12 years old respectively). Due to considerations about the length and complexity of the report, it was decided to produce this initial report using only the data for the older two age groups. A report on the 8-years-old survey will be published later in 2015.

With such a large data set containing many variables there is clearly a huge amount of potential for detailed and extensive analysis. Some of this analysis will be undertaken over the next 12 months by researchers who have been part of the project, and will include the publication of a series of working papers on the project website as well as articles submitted for publication in peer-reviewed journals. From mid-2016 the data will also be made freely available to other interested researchers who wish to conduct analysis.

Strengths, limitations and challenges

Attempts to undertake comparative cross-national and cross-cultural research face many challenges. In the case of the Children's Worlds project the diversity of the countries participating in the project is in many ways a strength – generating a unique set of data. In addition, the project has other strengths in terms of the size of the data set and the approaches taken to piloting, sample design and ethics as described in Chapter 2. On the other hand the diversity of the sample of countries also raises substantial issues to consider both in terms of methodological and analytical approaches.

An initial challenge for all research on children's subjective well-being is to ensure that the measures being used are reliable, valid and relevant to children. This requirement becomes

more complex in a cross-national and cross-cultural context where it is necessary to examine carefully the functioning of measures which have been translated into different languages and asked of children in a wide variety of circumstances. Some initial analysis undertaken with the pilot data using confirmatory factor analysis¹² suggests that the psychometric scales used in the study to measure overall cognitive subjective well-being¹³ were functioning adequately to be used for analysis within each country and to make between-country comparisons based on correlations and regressions. However they did not meet the stricter statistical requirements for comparing mean scores between countries. This issue needs to be borne in mind when considering the findings presented in this report.

A second challenge is the possibility of cultural variations in response patterns to questions. This issue has been recognised for some time in the study of adults' subjective well-being¹⁴. There is evidence that respondents in different countries tend to be more or less likely to select specific response points on the scale – particularly the end and mid-points. There has been relatively little exploration of this issue in relation to children, although it has been recognised in recent literature¹⁵ and an analysis of the pilot survey¹⁶ suggested that it may also be relevant in the case of children's reports of their subjective well-being.

So to tackle the issue within an international comparative context, we have also used an alternative approach which takes into account both the response patterns within a specific country and the overall tendency for an aspect of life to rank high or low across all countries. We have calculated what we have termed a 'relative score' for each country for questions using a satisfaction, agreement or frequency format. For example, there were 32 questions using an 11-point satisfaction format (from zero to ten) in the questionnaires. In these cases we have used the formula shown in Figure 1 to calculate a relative score.

Figure 1: Calculation of relative scores

$$Relative\ score = \frac{Mean_{ij}}{Mean_i \times (Mean_j \div Grand\ mean)}$$

Where:

Mean_{ij} = Actual mean satisfaction score for aspect i in country j

Mean_i = Pooled mean satisfaction score for aspect i across all countries

Mean_j = Mean satisfaction score for all aspects within country j

Grand mean = Mean of all Mean_{ij}

Using this formula the mean of all the resulting scores within a country equals 1, as does the mean of all scores for a particular aspect. A score of 1.0 means that the satisfaction of children in a country for an aspect is exactly as would be expected taking into account the mean for this

¹² Casas & Rees (2015)

¹³ These were the Personal Well-Being Index – School children (Cummins & Lau, 2005) and modified and adapted versions of the Student Life Satisfaction Scale (Huebner, 1991) and Brief Multidimensional Student Life Satisfaction Scale (Huebner et al, 2006).

¹⁴ e.g. Diener et al. (2003); Kim et al. (2012)

¹⁵ e.g. Bradshaw (2015)

¹⁶ Rees & Dinisman (2015)

aspect of life relative to other aspects across countries and also taking into account the overall response tendency of children in that particular country. Scores above 1 identify aspects where children in a country are relatively more satisfied than expected. Scores below 1 identify aspects where children in a country are relatively less satisfied than expected. The intention of this approach is to provide information about the aspects of life for which children in a particular country are faring particularly well compared to children in the other countries in the survey, taking into account differences in response patterns across countries, and aspects which might be prioritised for improvement in each country.

Finally, a very important challenge for this type of analysis is to avoid overly simplistic comparisons of indicators between countries and to take account of the different social, political and economic contexts within each country that form the backdrop to children's lives. We have taken three measures to tackle this issue. First, each national research team has provided a contextual description of children's lives within their country and these are included in the national survey reports which are available on the project website. These descriptions provide a wealth of information that can be used to contextualise the findings and will be a valuable resource for ongoing analysis of this data set. Second, we have compiled a comprehensive list of available relevant indicators for each of the participating countries from international data banks. A selection of these indicators is provided in Table 2. We envisage utilising these macro indicators to undertake and publish analysis of their associations with children's subjective well-being. Third, we have included a number of case studies in the findings-based chapters of the report which seek to contextualise key findings in relation to specific countries. These measures are just a starting point and we envisage that future analysis of the survey data will pay close attention to making sense of the observed cross-national variations presented in this report through consideration of the different contexts within each country.

We have already noted that a limitation of our data is that it only includes children attending mainstream schools. One further point is that our data is gathered at a single point in time and therefore has the usual limitations of cross-sectional data in terms of not being able to explore causal links between different variables and factors, which would require longitudinal data.

Table 2: Selected social, economic and political indicators¹⁷ for the 15 countries in the survey

	GDP per capita (internat \$) 2012	Gini coefficient (0-100) 2003-12	Life expectancy (years) 2013	Median age (years) 2015	Youth unemploy- ment rate (%) 2013	Gender inequality index (0-1) 2013	HDI rank (1-187) 2013	Urban population (%) 2013	Internet users (%) 2012	Some secondary education (% aged 25+) 2005-12
Algeria	13008	--	71	28	24%	0.425	93	75%	15%	24%
Colombia	11846	56	74	28	21%	0.460	98	76%	49%	56%
Estonia	24735	36	76	41	18%	0.154	33	70%	78%	100%
Ethiopia	1263	34	64	19	8%	0.547	173	18%	1%	13%
Germany	43522	28	81	46	8%	0.046	6	74%	82%	97%
Israel	31628	39	82	30	11%	0.101	19	92%	71%	86%
Nepal	2156	33	68	23	5%	0.479	145	18%	11%	28%
Norway	65103	26	81	39	9%	0.068	1	80%	95%	97%
Poland	22868	33	77	39	27%	0.139	35	61%	62%	82%
Romania	18137	27	74	40	24%	0.320	54	53%	46%	89%
South Africa	12597	63	57	27	54%	0.461	118	63%	41%	70%
South Korea	32021	31	81	40	9%	0.101	15	84%	84%	83%
Spain	32770	35	82	42	57%	0.100	27	78%	70%	74%
Turkey	18221	40	75	30	20%	0.360	69	73%	45%	49%
UK	37386	36	81	41	20%	0.193	14	80%	87%	100%

¹⁷ Sources:Columns 2, 4, 6, 10: <http://databank.worldbank.org/data>Columns 3, 5, 7, 8, 9, 11: <http://hdr.undp.org/en/data>

Structure of the remainder of the report

The structure of the remainder of this report is as follows:

- Chapter 2 provides further details about the current wave of the survey covering the questionnaires, sampling, ethics, survey administration, data inputting, cleaning and weighting.
- Chapter 3 begins the presentation of findings from the survey by looking at the data we have gathered through the survey on the context of children's lives in the different countries – summarising children's responses to fact-based questions about their living circumstances.
- Chapters 4 to 13 then form the main bulk of the report consisting of a series of chapters on life as a whole and then on different aspects of children's lives – family and home life; money; friends and other relationships; local area; school; self; other aspects of life; children's rights and time use. Each chapter presents overall findings and also discusses differences according to age group, gender and country.
- The final two chapters of the report draw together the key findings, discuss their implications, and identify key areas for further analysis of the data.

Accompanying documents

To accompany this initial publication we have prepared a series of national reports. We will also be producing an ongoing series of technical and working papers. All of these documents will be freely available on the project website.

Technical note 1: Statistical tests

This is a primarily descriptive introductory report to the data set and does not contain complex multivariate statistical analysis. However, we have used statistical testing where appropriate in the analysis which underlies the findings presented. This mainly relates to differences in means and percentages based on gender and age group. The main tests used were t-tests (for satisfaction, agreement and frequency questions) and chi-square tests (for questions with nominal response categories). Where a difference is described as statistically significant this refers to a p-value of less than 0.01. It is important to clarify therefore that a non-significant difference does not necessarily imply that there is no difference, but rather that we did not find sufficient evidence of a difference. Additionally, it should be acknowledged that most of the variables in the survey were either nominal or ordinal and therefore did not meet all of the requirements for parametric statistical tests; and that the ordinal variables (e.g. satisfaction items) were often highly skewed. We will be undertaking further analysis with regard to these issues and so the age and gender differences described as statistically significant should be regarded as provisional. All data in this report is weighted to reflect the sampling strategy in each country and, wherever possible, we have used complex samples tests to ensure that confidence intervals take into account the design of the samples, including clustering of cases at the school level.

Technical note 2: Variations in age distributions of samples between countries

As explained in Chapter 2, although there were target ages (in years) for the survey, in most countries there was some variation in the actual age (in years) of children taking part because the survey was undertaken in school class groups at varying points during the academic year. Children who were more than two years above or below the target age were excluded from the final data set. For the remaining children, the mean ages (using age in years) in the 10-years-old survey ranged from around 9.5 in Israel to around 10.6 in Germany and for the 12-years-old survey from around 11.4 in Israel to around 12.5 in Germany. This variation in age distributions between countries has some implications for making comparisons between countries, particularly because there are significant differences in children's responses between the two age groups for many aspects of life in at least some of the countries.

It is possible to attempt to correct for this potential age effect by using information about mean scores within each country for each age group to calculate a corrected mean score. Because mean scores often drop between the two age groups this means that for countries such as Germany with an older age profile the age-corrected mean scores may be slightly higher than the uncorrected ones; while the opposite may be true for countries such as Israel with a younger age profile.

We tested this approach with some of the mean satisfaction scores presented in this report to assess how much difference this might make to the overall findings. We found that the age-corrected mean scores were noticeably different to the uncorrected mean satisfaction scores in some countries (particularly ones where there were strong variations in satisfaction between the two age groups). However, these differences did not tend to affect the overall rankings of countries very much. For example, for the question about satisfaction with life as a whole, there was no difference in the ranking positions of the highest nine countries or the lowest two countries, whether one used uncorrected mean scores or age-corrected mean scores. Only two pairs of countries exchanged places – 10th and 11th, and 12th and 13th respectively.

It would have been possible to calculate age-corrected mean scores and percentages with low well-being for all the satisfaction questions covered in this report. However we took the decision not to do this for several reasons. First, it would have been technically difficult (and would have required additional assumptions) to extend this approach to the agreement and frequency questions where we have quoted percentages in each response category rather than means. So there would have been an inconsistency in the way different statistics were presented. Second, there may be other factors – such as gender – that should also be taken into account in calculating corrected scores and this kind of approach goes well beyond the scope of this report. Third, we have restricted ourselves in this initial report to a primarily descriptive presentation of comparisons between countries, focusing more on rankings than means, and the testing described in the previous paragraph indicated that the calculation of corrected scores would not tend to make a huge difference to the broad patterns of rankings between countries in any case.

However it is important to acknowledge the issue of age variations and to identify the need for this to be taken into account in the future in more sophisticated multivariate analysis approaches using the data set – for example, controlling for age variation using regression.

Chapter 2

The survey

This chapter provides a broad introduction to the survey methodology – briefly describing questionnaires, sampling, ethics, survey administration, and data cleaning and weighting. The discussion here reflects the general principles that were adopted for the survey in all countries. Given the diversity of countries involved in the research there were additional issues to resolve within each country and these are covered in the series of national reports which are published to accompany this comparative report. Further information about various aspects of the survey methodology is also available on the project website.

Questionnaires

There were three versions of the questionnaire for the different age groups – for children around 8, 10 and 12 years of age respectively. The three questionnaires all covered the following key aspects of children's lives:

Overview of the content of the survey

- Basic characteristics (age, gender, country of birth)
- Living situation, home and family relationships
- Money and economic circumstances
- Friends and other relationships
- Local area
- School
- Time use
- Self
- Overall subjective well-being
- Children's rights

The questionnaires for the older two age groups also covered two further topics – recent changes in children's lives and qualities aspired to for the future.

On the basis of piloting of questionnaires with children it was decided that it was necessary to simplify the response formats for some questions for the 8-years-old survey. As explained in Chapter 1 this initial report only makes use of data gathered in the 10-years-old and 12-years-old surveys and so the details that follow primarily focus on these two age groups.

The question items fell into four basic types:

1. Fact-based items – e.g. age, gender, household possessions.
2. Agreement items. These consisted of statements (e.g. 'I feel safe at home'). In most cases children were asked to respond on a five-point scale labelled 'I do not agree',

'Agree a little', 'Agree somewhat', 'Agree a lot', 'Totally agree'. There was also a 'Don't know' option. Some of the agreement items in the questionnaires for 10-year-olds and 12-year-olds used an 11-point numbered (0 to 10) scale with the end points labelled 'Not at all agree' and 'Totally agree'.

3. Frequency items. These mostly consisted of questions about various aspects of time use, but also included experiences of bullying and worries about family money. These items were all on a four-point scale with descriptions of frequencies relevant to the topic – e.g. 'Rarely or never', 'Less than once a week', 'Once or twice a week', 'Every day or almost every day'.
4. Satisfaction items. These consisted of questions about satisfaction with various aspects of life and with life as a whole. In the versions of the questionnaire for 10-year-olds and 12-year-olds these items all used an 11-point (0 to 10) response scale with the end points labelled as 'Not at all satisfied' and 'Totally satisfied'.

The lengths of the questionnaire (total number of items to answer) had been determined through the piloting process described earlier and, as a result the questionnaires contained fewer items for younger age groups. In total there were 112 items in the questionnaire for 12-year-olds and 104 items in the questionnaire for 10-year-olds.

Amongst the items described above, the questionnaires contained versions of three previously-tested psychometric scales of overall subjective well-being. First, there was a context-free scale intended to measure overall cognitive subjective well-being comprising five items which formed a short modified version of The Student Life Satisfaction Scale¹⁸. Second there were two scales made up of domain satisfaction items – the seven-item Personal Well-being Index - School Children¹⁹ and a modified version of the five-item Brief Multidimensional Student Life Satisfaction Scale²⁰. As well as the previously tested scales, we also included two new sets of items. The first was a set of six items on positive affect which were influenced by Russell's Core Affect scale²¹. The second was a set of six items designed to represent various aspects of psychological well-being based on a framework proposed by Ryff²².

Further details of items and the original question wordings in English are provided in the relevant chapters of the report alongside the presentation of findings.

A key issue for the project was to try to ensure that the various versions of the questionnaire in the different languages spoken by children in the participating countries were as compatible as possible. With this aim, the translation process was as follows. Each country started with the standard English-language version of the questionnaires. The questionnaires were then translated into the relevant languages and then, independently of the original translation, translated back into English. Each back-translated English version was compared with the original English version and this comparison was used to highlight any discrepancies or issues. Any identified issues were then resolved through revising the translations as required.

¹⁸ Huebner (1991)

¹⁹ Cummins & Lau (2005)

²⁰ Huebner et al. (2006)

²¹ Russell (198)

²² Ryff (1989)

Sampling

The aim within each country participating in the survey was to obtain the most representative sample possible of children in the relevant age groups. For practical reasons, it was decided that the only feasible way of conducting a large-scale survey with the resources available was through schools. This evidently places a limitation on representativeness as it excludes children not attending school. Considering the age range covered by the survey, there was compulsory schooling and high school participation rates in all participating countries, so a school-based sampling method will include the large majority of children in the age group in each country. However, it is acknowledged that the survey does not cover some groups of children such as those who have been excluded from school, children in special educational establishments, children who are home-schooled and other children who do not attend school for various reasons. Many of these children may be deemed to be in marginalised groups within the population and there remains a task for future research to find ways to include these children in research on children's lives and well-being.

It should be noted that for practical (resource-based) reasons in seven countries – Algeria, Colombia, South Africa, Spain, Poland, Turkey and the UK – the sample only included part of the country. Additionally, in particular, the Turkey sample was unique in only including children in an urban setting and this factor should be borne in mind in interpreting the results for that country. Furthermore, in two countries – Germany and Nepal – specific regions or areas were selected as part of the sampling process. The coverage in each country is shown in Table 3.

Throughout the report, in the tables and charts, we have included an asterisk after the names of these seven countries in order to provide a reminder that the sample only covers a region of the country.

Table 3: Sampling coverage in each country

Country	Coverage
Algeria	Western region
Colombia	Antioquia state
Estonia	Whole country
Ethiopia	Whole country
Germany	Whole country (but 4 Federal states selected for sample)
Israel	Whole country
Nepal	Whole country (but 6 districts in 2 development regions selected for sample)
Norway	Whole country
Poland	Wielkopolska region
Romania	Whole country
South Africa	Western Cape province
South Korea	Whole country
Spain	Catalonia
Turkey	Istanbul
United Kingdom	England

In order to provide support to national research teams in designing a sampling strategy, and also to ensure the quality of the samples, a process of reviewing each sampling methodology was used. Initially each national research team proposed a sampling strategy based on their knowledge of the country and of the practical issues involved in the survey. These proposals

were then reviewed by a panel of researchers (within and outside the project) with expertise in sampling. Each proposal was reviewed by two members of the panel and feedback was provided to the national research teams. The national research teams then devised a revised proposal taking into account the feedback and this was submitted to the panel for final approval.

In all countries some form of stratification was used. A range of stratification variables were used in different countries, depending on the specific context, including economic prosperity, type of school (e.g. private / public) and population density (e.g. urban / rural). More details on the sampling strategy in each country are contained in the national reports available on the project website.

Ethics

One of the requirements for participation in the project was to gain full ethical clearance from a relevant committee in one's own country. A set of broad ethical guidelines for the project were drawn up including the importance of (a) children having an active and informed choice in whether to participate in the survey or not; (b) appropriate measures to safeguard children's privacy, confidentiality and anonymity; and (c) a commitment to feeding back findings to participating schools. Each country was expected to draw up an ethics proposal based on these broad guidelines. Any queries about the ethical approval for a particular country should be addressed to the contact for that country (see the project website).

There were differences in the requirements for parental consent in different countries. In some countries active ('opt-in') consent was required from parents for children to be able to participate in the survey. In some countries passive consent was used – i.e. parents were provided with information and were able to request that their child was not included in the survey. Finally in some countries no parental consent was sought and the consent of the school was deemed sufficient. The parental consent requirements in some countries (particularly where active consent was required) meant that some children in selected schools and class groups were not able to participate. This has unknown impacts on the constitution of the sample. At a broader level it also raises issues about children's rights to make choices and to have their views heard. Irrespective of the requirements for parental consent it was emphasised that children's own consent was a fundamental requirement of participation in the survey.

Administration

Administration guidelines were provided to each national research team as part of the initial information pack. There was some variation in the specific arrangements for administration. In most countries, researchers from the national research team travelled to schools on the day of the survey and were involved in administering the survey through paper-based questionnaires. However in Poland, Spain and the UK some or all of the questionnaires were administered online via the internet. In the UK, researchers did not visit the school and instead guidelines were provided to schools staff to administer the survey.

One issue that had emerged in piloting in some countries was that children in the youngest age group (around 8 years of age) needed additional help to complete the survey. Due to this, some additional guidance was developed for this age group, which included a 'training' sheet to be used in advance of the survey and the option of teachers or researchers reading the questions

aloud while the survey was being conducted. These measures were deemed necessary and used in a number of countries.

Data inputting and cleaning

Data inputting and quality control was the responsibility of each national research team. Responses to paper questionnaires were input into a standard template in SPSS or Excel format. The data files were then sent to a central data co-ordinator who ran a number of standard checks and identified any queries. A report on the data checking was sent to the national research team including issues that required further checking and a response. Once all queries had been resolved satisfactorily the data was finalised in preparation for inclusion in the combined international data set. At this stage, following discussions at a meeting of lead researchers for each participation country, it was decided to exclude a small proportion of cases from inclusion in the combined international data set. The criteria for exclusion were as follows:

1. The child was more than two years older or younger than the target age group.
2. The case contained a high proportion of missing data (more than a quarter of variables)
3. The case contained evidence of systematic responding to all frequency-based questions, which raised doubts about the responses provided.

These criteria led to around 3% of cases being excluded from the data sets for the 10 years old and 12 years old age group and around 6% of cases from the data set for the 8 years old age group.

The finalised data

The final numbers in the data set in each country overall and by age group and the percentage by gender are shown in Table 5.

It should be noted that, because the survey was undertaken in school classes, there was some variation around the target age. Cases were retained in the data set if they were within two years of the target age. Unweighted percentages of children of each age in the final data set of each survey are shown in Table 4.

Table 4: % of children of different ages (in years) in the final sample by survey version

	Age in years								
	6	7	8	9	10	11	12	13	14
8-years-old survey	<0.1%	7.3%	76.7%	14.8%	1.2%				
10-years-old survey			0.1%	6.5%	76.4%	15.7%	1.3%		
12-years-old survey					1.1%	9.5%	72.3%	15.9%	1.2%

There was also some variation in age profiles between countries, due to the timings when the survey was conducted within the school year, and different sampling strategies. The implications of this for some of the analysis presented in this report were discussed in a technical note in Chapter 1.

Table 5: The achieved sample in each country by age group and gender

Country	Total	8 years old	10 years old	12 years old	Female	Male
Algeria (Western)	3676	1244	1149	1283	48%	52%
Colombia (Antioquia)	2816	902	939	975	51%	49%
Estonia	3119	1076	1014	1029	48%	52%
Ethiopia	2877	953	944	980	50%	50%
Germany	3009	1056	1101	852	52%	48%
Israel	2777	886	988	903	52%	48%
Nepal	2953	975	983	995	50%	50%
Norway	2864	930	960	974	53%	47%
Poland (Wielkopolska)	3157	1021	1119	1017	48%	52%
Romania	4115	1249	1359	1507	48%	52%
South Africa (W Cape)	3188	996	1061	1131	52%	48%
South Korea	7467	2432	2438	2597	52%	48%
Spain (Catalonia)	3801	1032	1057	1712	48%	52%
Turkey (Istanbul)	3024	959	1047	1018	52%	48%
UK (England)	3298	990	989	1319	50%	50%
Total	53164	17259	17613	18292	50%	50%

Unweighted sample, after data cleaning

Weighting

Once the final data set for each country had been agreed, a process was then undertaken to weight the final sample, taking into account the sampling strategy employed in that country. Weightings were calculated to correct for:

- variations in the probabilities of children being selected due to the sampling strategy – for example, the planned sample size for some sub-groups may have been higher or lower than their representation within the child population;
- variations in the probabilities of children being selected for the sample due to the sampling selection process (e.g. if schools were selected with equal probability and one class group was randomly selected per school, then children in smaller schools with fewer class groups had a higher probability of being included in the survey than children in larger schools with more class groups);
- differences between intended sample size and achieved sample size due to non-participation and non-response of some children in selected class groups – for example due to children not attending on the day of the survey or parental consent not being obtained in some countries.

Weightings were calculated on the basis of the planned sampling strategy, the achieved sample and available data on the child population from which the sample was drawn. Final weightings were discussed and agreed between the central data co-ordinator and each national research team. The weighting coefficients were calculated so that the final weighted sample size was identical to the unweighted sample size.

All findings in this report use weighted data. In addition, where pooled findings are presented for the whole sample then each country is weighted equally (to control for differences in achieved sample size between countries).

Presentation of statistics

Please note that in tables and figures where percentages are shown these have usually been rounded and so total percentages may not add up to exactly 100%.

Chapter 3

The context of children's lives

In this chapter we provide some purely descriptive data on the lives of the children participating in the survey in the 15 countries. This includes questions about household structure and living arrangements; economic and material indicators; and the country of origin of the child.

This information provides an important context to many of the findings presented later in the report. For example, the chapter on time use includes data on how frequently children in each country spent time using computers or watching television. The findings presented there need to be viewed within the context of variations in the presence of these items within the home by children in the different countries.

Who children live with

The questionnaires for 10-year-olds and 12-year-olds contained a number of questions about children's living arrangements and the people that they lived with, as shown in the box on the next page.

Analysing and interpreting this data in a cross-national context raises some important challenges. Typologies of family forms that are recognised and salient in one national context may not have the same resonance or applicability in another. A comprehensive analysis of the data will therefore require careful consideration of different social and cultural contexts and this is a task for future work. In this report we do not attempt to construct 'family forms' from the data but instead restrict ourselves to a descriptive account of the responses to the different questions and response options. Despite this restriction on the analysis some interesting patterns are evident which provide an important contextual background to children's lives in the diverse set of countries participating in the survey.

Figure 2 shows the proportion of responses in each country to the first question about where children stayed or slept at night. Overall, 60% of children reported always sleeping in the same home, 35% sometimes slept in different homes, and just under 6% regularly slept in different homes. There were marked differences between countries. The proportion of children always sleeping in the same home ranged from 82% in Ethiopia to 23% in Norway; and the proportion reporting regularly sleeping in two homes ranged from less than 1% in Ethiopia to 18% in Norway. The lowest proportions of children living in only one home tended to be in European countries. However the experience of regularly living in two homes is not restricted to Europe. The chart shows the percentages for all countries where more than 1 in 20 (5%) of children lived in two homes and this includes Colombia, South Africa and Israel.

Box 1: Questions about living arrangements and people lived with

Some children usually sleep in the same home every night. Other children sometimes or often sleep in different homes. Please choose which of the following sentences best describes you:

- I always sleep in the same home
- I usually sleep in the same home, but sometimes sleep in other places (for example a friends or a weekend house)
- I regularly sleep in two homes with different adults

Which of the following best describes the home you live in most of the time?

- I live with my family
- I live in a foster home
- I live in a children's home
- I live in another type of home

This question is about the people you live with. Please tick all of the people who live in your home.

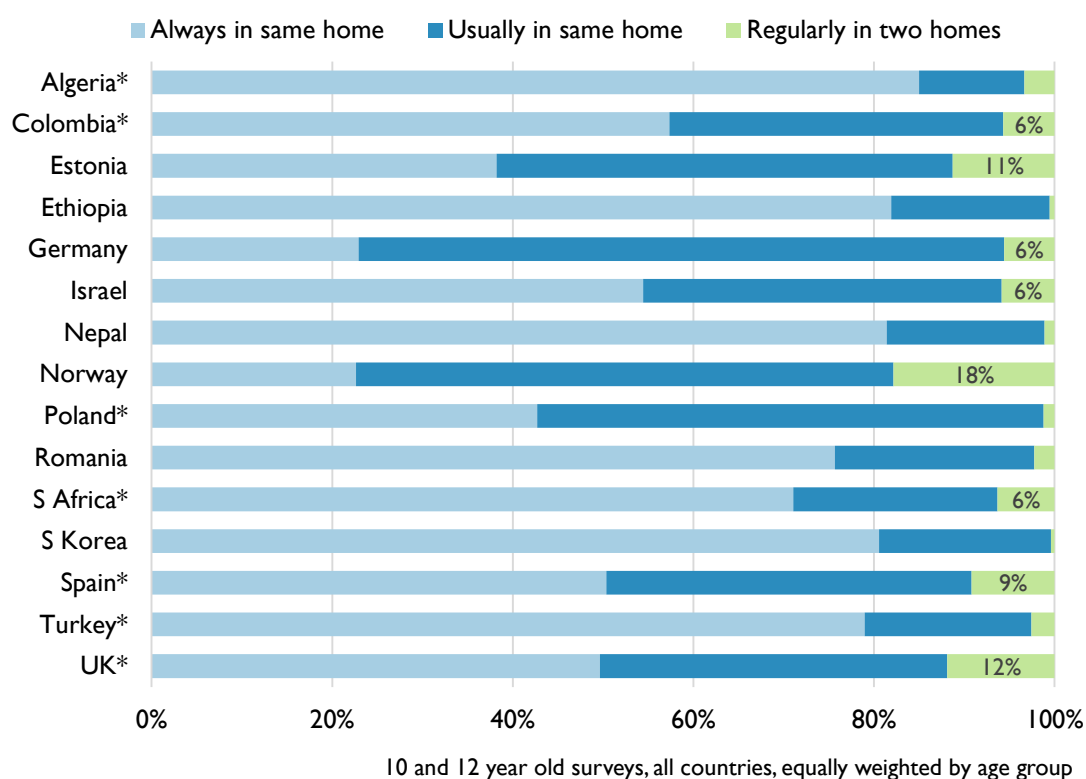
- Mother
- Father
- Mother's partner
- Father's partner
- Grandmother
- Grandfather
- Brothers and sisters
- Other children
- Other adults

Note: There were some variations in the presentation of these questions between countries:

1. In most countries the third question above was asked twice if children indicated in the first question that they stayed in more than one home. Some countries omitted repeating this list as the issue of living in two homes was not deemed to be relevant to sufficient numbers of children. These countries were: Ethiopia, Israel, Poland, Romania, South Korea and South Africa.
2. In Nepal the options relating to parents' partners were omitted for all children, while in Israel these questions were omitted for some sub-groups.
3. In some countries the fourth option ('I live in another type of home') for the second question was not deemed necessary and was omitted.

In terms of the second question about the type of home that children lived in, the large majority of children in all countries said that they lived with their family. The highest proportion (just over 5%) not living with family was in Ethiopia where around 5% of children living in foster homes. In all other countries more than 95% of children lived with family.

Figure 2: Where children slept by country

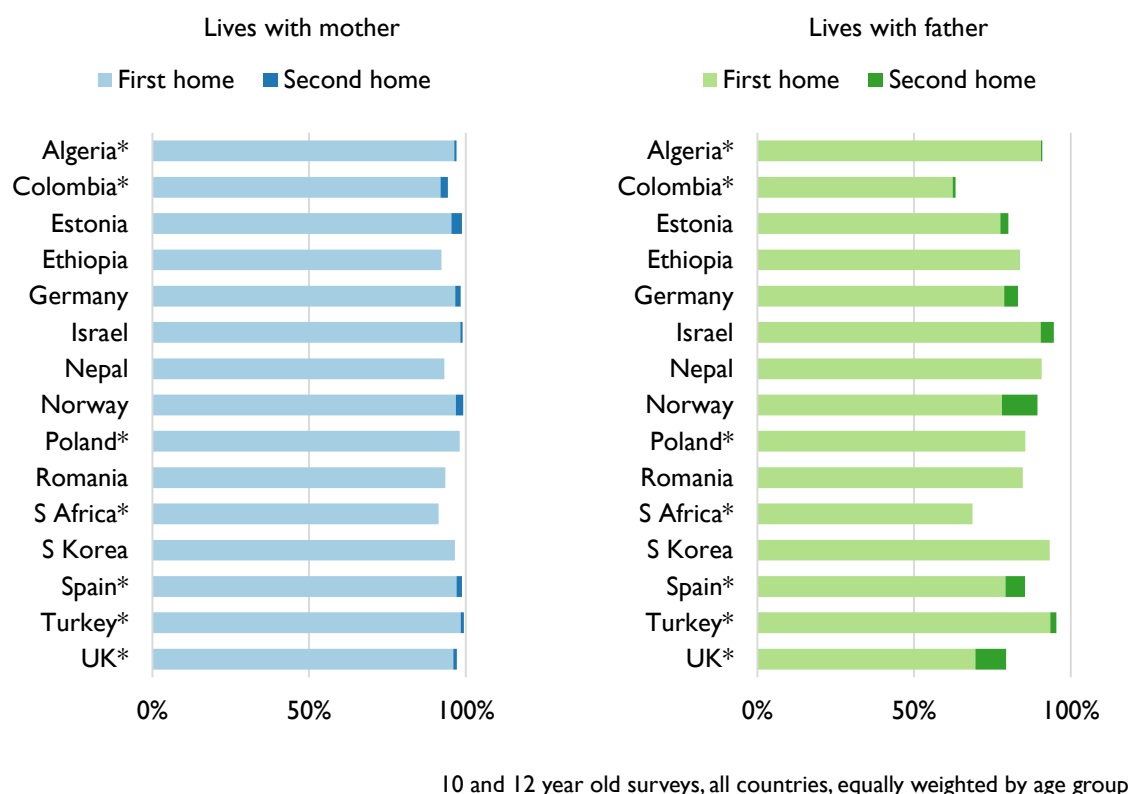


The two charts in Figure 3 show the proportion of children who lived with their mother and father respectively.

Well over 95% of children lived with their mothers. This includes, in some countries, a small percentage of cases where children slept regularly in two homes and their mother lived in the home they defined as their second home. The countries with the lowest proportion of children living with their mother were South Africa (91%) and Ethiopia (92%).

The large majority of children also lived with their father. However there was more variability here with the proportions ranging from 63% in Colombia to 95% in Israel. Of course the variations in proportions living with both parents may be explained by phenomena such as parents living in other places or countries in order to do paid work as well as by the birth parents splitting up. Furthermore the decision about whether to count fathers in second homes makes a substantial difference in some countries as can be seen for Norway, UK and Spain where 11%, 10% and 6% of children respectively stay with their father regularly in a second home.

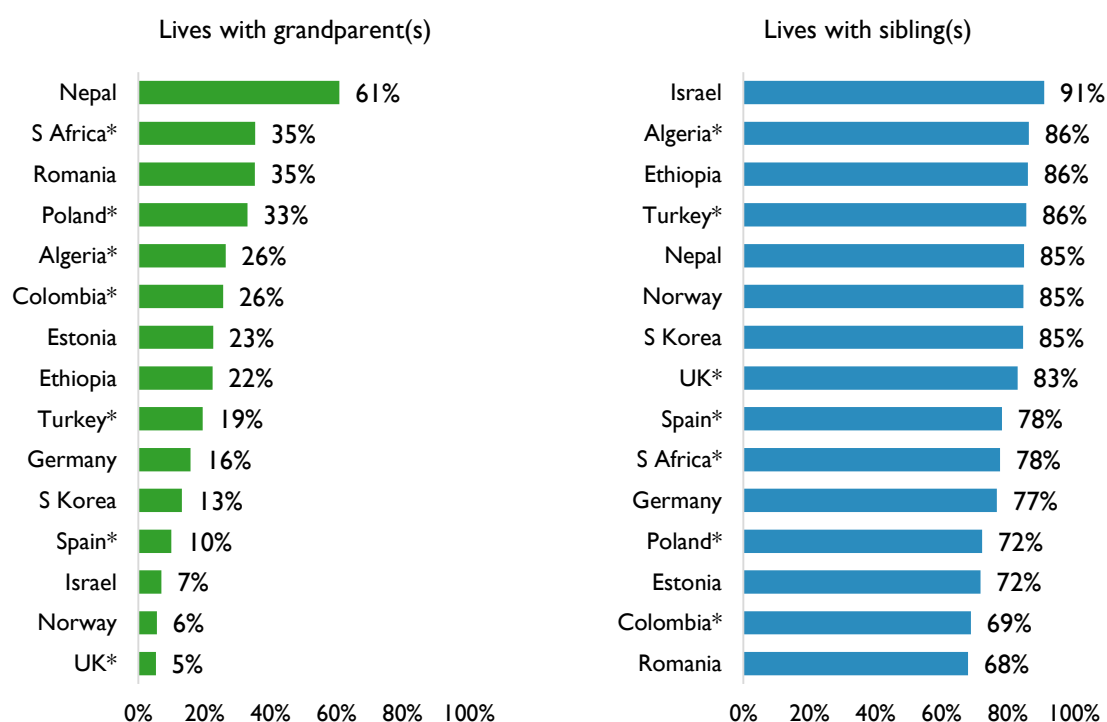
Figure 3: Proportion of children living with their mother and their father by country



The left hand chart in Figure 4 shows the proportion of children living with one or more grandparents in their first or only home. This is usually in addition to one or both parents although a small minority of children in most countries lived with grandparents and not with either of their parents. Here there are very wide variations. In particular, well over half of children (61%) in Nepal lived with at least one of their grandparents. This is a much higher proportion than the next two countries in the chart – South Africa and Romania (each 35%). In three countries – England, Norway and Israel – less than one in ten children had a grandparent living in the same home as them. Clearly these kinds of variations in living contexts are likely to have a bearing on children's family relationships and attachments.

There was also substantial variation in the proportion of children having one or more siblings living in their first or only home – ranging from 68% in Romania to 91% in Israel. Presumably these differences are linked to variations in average and typical family sizes in these countries.

Figure 4: Proportion of children living with grandparents and siblings in their first home by country



10 and 12 year old surveys, all countries, equally weighted by age group

Economic circumstances

In this chapter we present descriptive findings relating to factual questions that children were asked about their own and their family's economic situation. Evaluative questions about this aspect of life are discussed in Chapter 5.

The Children's Worlds study covered a diverse range of countries, in terms not only of society and culture, but also national wealth. Developing a set of material well-being indicators which are specific and meaningful to children in this context, and which do not impose cultural bias, proves challenging. Specific material possessions which are almost universal in some countries are accessible only to the very wealthiest in others; and material possessions and provisions may have different meanings in different cultural contexts which not only influence their accessibility, but also their desirability. Here results are presented for the range of indicators included; however these should be interpreted with attention to national and cultural context.

Children were asked a series of questions about the resources to which they had access, about the number of adults in the household in paid work and also two questions about pocket money (12 year old survey only) as shown below.

Box 2: Fact-based questions about economic circumstances

Which of the following things do or don't you have?

- Clothes in good condition to go to school in
- Access to a computer at home
- Access to the internet
- A mobile phone
- Your own room
- Books to read for fun
- A family car for transportation
- Your own stuff to listen to music
- A television at home that you can use

Response options were 'Yes', 'No' and 'Don't know'. 'Don't know' responses were treated as missing data.

The final item about television was not asked in Estonia, Germany and Poland.

The four questions about electrical and technology items were not asked of some sub-groups of children in Israel.

How many adults that you live with have a paid job? (12 years old survey only)

Response options were 'None', 'One' and 'Two', 'More than two' and 'Don't know'. 'Don't know' responses were treated as missing data.

How often do you get pocket money? (12 year old survey only)

- I don't get pocket money
- I get pocket money, but not regularly
- I get pocket money every week
- I get pocket money every month

If one of the last two options was chosen, children were also asked approximately how much pocket money they received every week or month. This data is not analysed in this report due to the complexity of comparing amounts of money in different currencies and contexts.

However it will be available for researchers to analyse in the future.

Table 6 shows the proportion of children who said that they lacked access to each item in the list above. For all items there was a significant difference between countries in the proportion of children lacking, with the strongest difference for access to the internet. In each case, children in Ethiopia were most likely to lack items, while children in Norway were least likely to lack them. In many cases, so few children lacked items that estimates may not be reliable.

Table 6: Percentage of children lacking access to material items by country

	Good clothes	Computer	Internet	Mobile phone	Own room	Books	Family car	Music player	TV
Algeria*	3%	47%	56%	61%	62%	28%	42%	55%	24%
Colombia*	1%	22%	25%	23%	39%	29%	64%	42%	4%
UK*	<0.5%	6%	3%	16%	17%	10%	11%	5%	1%
Estonia	1%	3%	2%	4%	28%	4%	14%	12%	n/a
Ethiopia	18%	97%	98%	86%	86%	64%	98%	83%	73%
Germany	2%	16%	9%	8%	11%	21%	7%	5%	n/a
Israel	1%	6%	6%	20%	30%	7%	8%	19%	3%
Nepal	3%	87%	93%	24%	41%	30%	93%	46%	31%
Norway	<0.5%	2%	1%	3%	7%	3%	3%	1%	<0.5%
Poland*	1%	2%	4%	5%	8%	14%	11%	10%	n/a
Romania	1%	14%	20%	18%	36%	12%	41%	13%	3%
S Africa*	3%	38%	40%	27%	42%	18%	28%	29%	4%
S Korea	1%	4%	3%	10%	11%	4%	7%	10%	4%
Spain*	2%	6%	7%	45%	19%	10%	13%	14%	2%
Turkey*	5%	18%	23%	60%	33%	10%	43%	43%	3%

10 and 12 year old surveys, all countries, equally weighted by age group

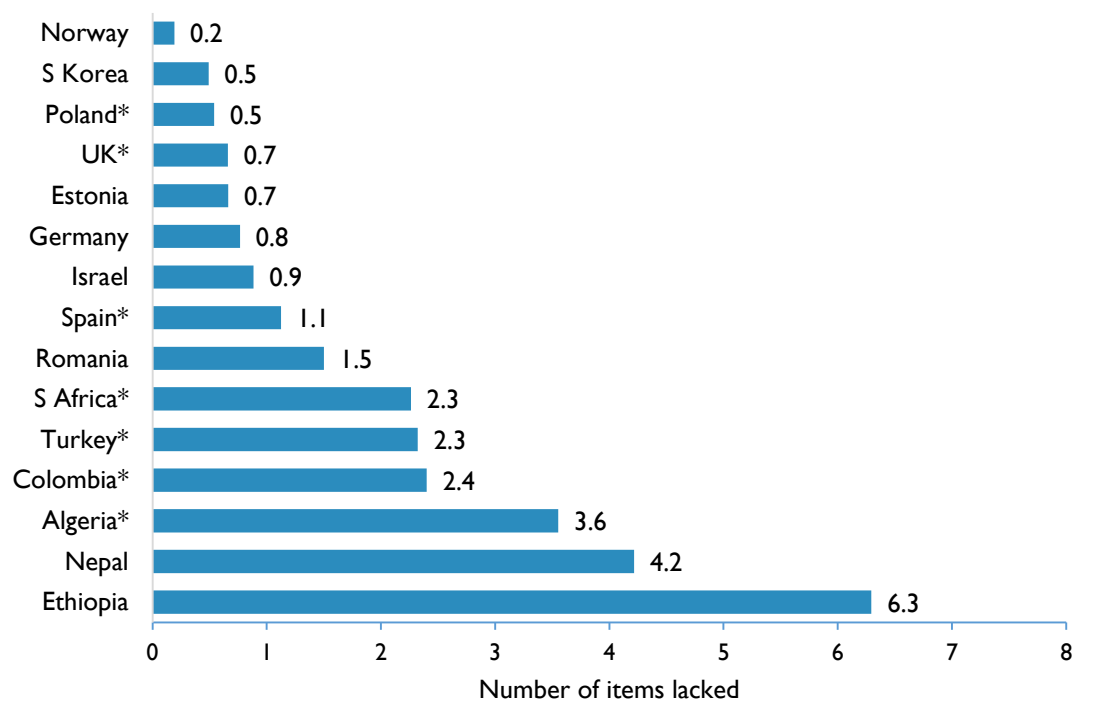
Differences were found based on age group in the pooled sample for seven of the nine items. 10-year-olds were more likely to lack six of these: a computer, internet, a mobile phone, their own room, stuff to play music, and a TV. 12-year-olds were more likely to lack books to read for fun. Age-related differences (some statistically significant) at the country level tended to follow this overall pattern.

In the pooled data set differences in the proportions of girls and boys lacking items were found for computers, their own room and their own stuff to listen to music (girls were more likely to lack these), and books to read for fun (boys were more likely to lack these). The strongest differences were for the statement having books to read for fun, lacked by 44% of girls and 56% of boys. As with age group these patterns were broadly reflected in gender variations within countries, although many of the country-level differences were not statistically significant.

Individual items can be combined to provide a summary of the material well-being of children across and within the different participating countries. Because some countries did not ask about access to a television, this item has been omitted from the scale in this international report (but may be used in individual countries). Using the pooled data, children lacked on average 1.9 of the items. This masks strong variations between countries with the mean number of items lacked ranging from 0.2 in Norway to 6.3 in Ethiopia as shown in Figure 5.

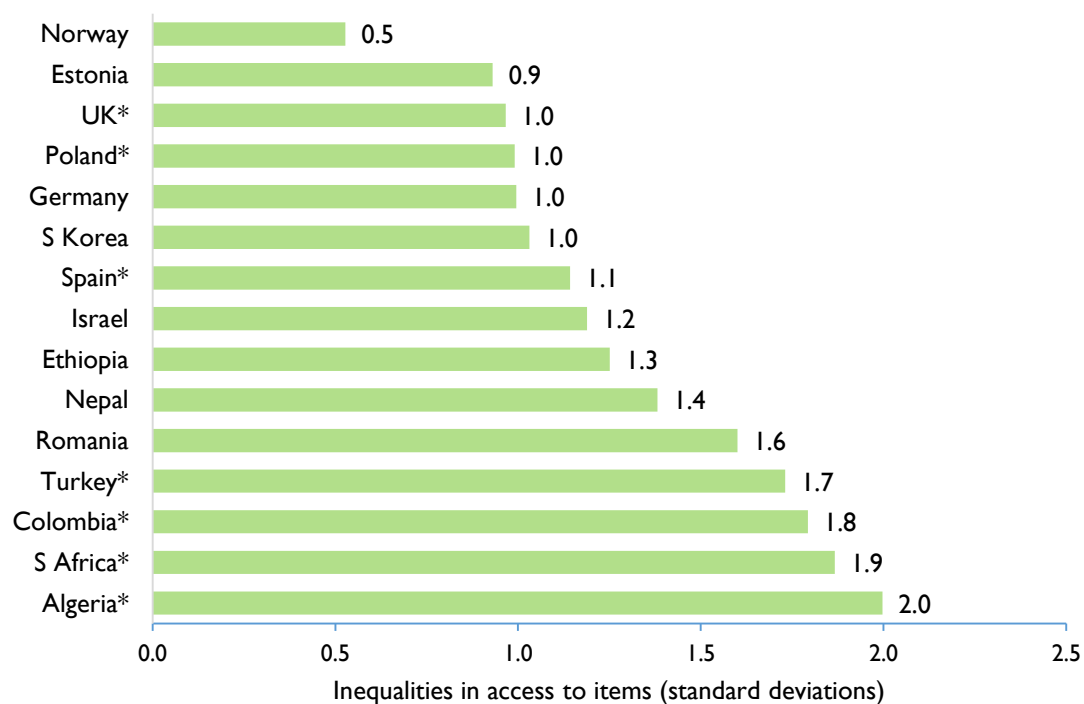
Inequality between children within countries in their access to resources also provides an interesting source of information on material well-being within and between countries. Standard deviations in the number of items children lacked ranged from 2.0 in Algeria, indicating the highest level of inequality between children, and 0.5 in Norway, indicating the lowest level. Interestingly, children in Ethiopia who experienced the highest comparative levels of deprivation were around the middle in terms of levels of inequality. Results are shown in Figure 6.

Figure 5: Mean number of items lacked by country



10 and 12 year old surveys, all countries, equally weighted by age group

Figure 6: Inequalities in access to material items by country

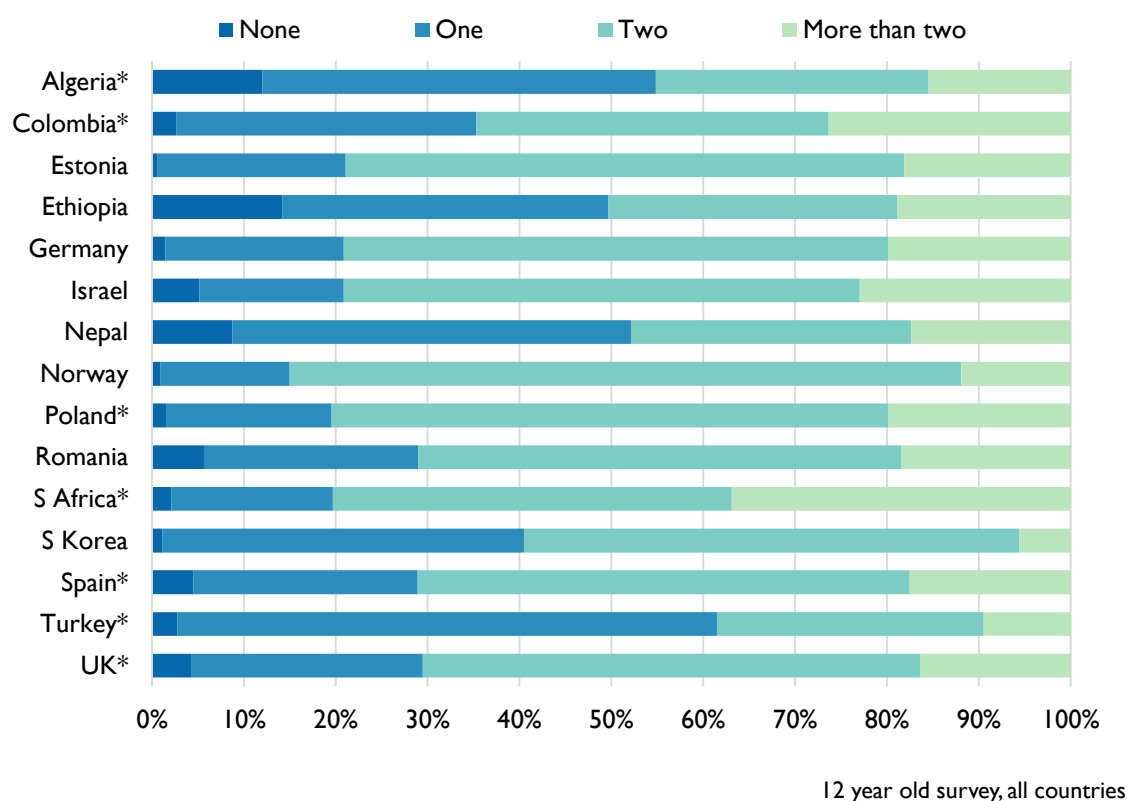


10 and 12 year old surveys, all countries, equally weighted by age group

Responses to the question about the number of adults in the household in paid work in the 12-years-old survey are shown in the chart below. There was substantial variation here.

- In two countries – Algeria and Ethiopia – more than 10% of children lived in homes without any adults in paid work.
- In Algeria, Ethiopia, Nepal and Turkey it was most common for one adult to be in paid work.
- In the remaining 11 countries the most common pattern was for two adults to be in paid work (highest in Norway where 73% of children lived in a household(s) with two adults doing paid work)
- The high percentage of households with more than two adults in paid work in South Africa (37%) is notable. See context box on next page for further discussion.

Figure 7: Number of adults in household in paid work by country



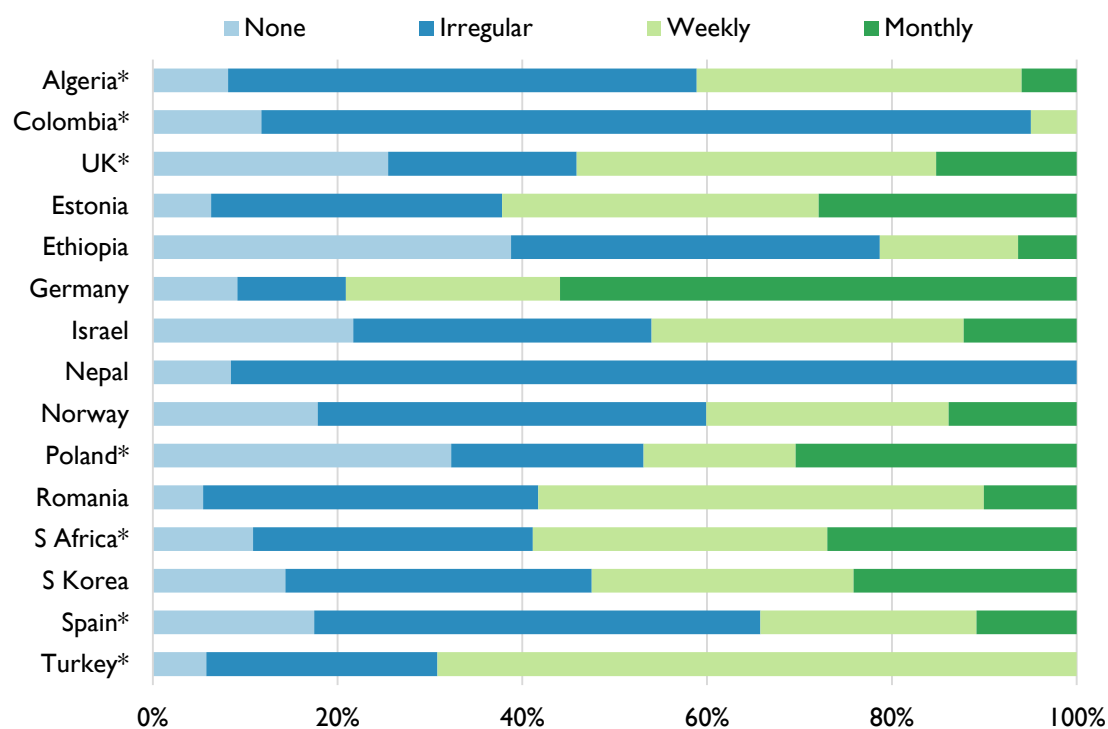
Context 1**Country: South Africa**

Establishing the diverse meanings of different types of factual information about children's living situations proved complex, among such a diverse range of countries with differing social and cultural norms. As an example, we found that in South Africa, an unusually large number of children reported living in households with more than two adults in paid work. The presence of multiple adults in paid work has been used in western studies to indicate higher socio-economic status, but in these situations it is unusual for children to be living in households with more than two adults. In contrast, in South Africa the presence of more than two adults in a child's household is not unusual, especially in lower-income areas. This can have multiple causes, including the need to pool resources among larger households to meet needs through economies of scale; family breakdown leading to parents moving in with their own parents; poverty among older people leading to them moving in with grandchildren; and housing shortages which result in extended families living together. However, in low income communities, these jobs are either low paying semi-permanent, part-time, or located in the informal sector. Additionally, cultural influences impact household structure. The traditional black South African concept of *ubuntu* denotes a sense of community, incorporating communal responsibility for child rearing, which can be helpful in understanding that wider communities and networks may form part of a child's household. That is, the notion of family and 'normal' household structure varies markedly among participating countries, and the 'nuclear family' incorporating parents and dependent children is a western concept which cannot necessarily be applied to non-western contexts.

Significant differences were found between countries in the patterns of children received pocket money. The proportions of children receiving no pocket money ranged from 5% in Romania to 40% in Ethiopia. Differences in the proportions of children receiving no pocket money are shown in Figure 8.

It is also evident that there are differences in the patterns of children receiving pocket money between countries – for example while similar proportions of children in Germany (90%), South Africa (90%) and Colombia (89%) receive pocket money, in Germany the majority of children receive pocket money each month, while in Colombia the majority receive it irregularly. Children in South Africa who receive pocket money are close to equally distributed between receiving it irregularly, weekly, and monthly.

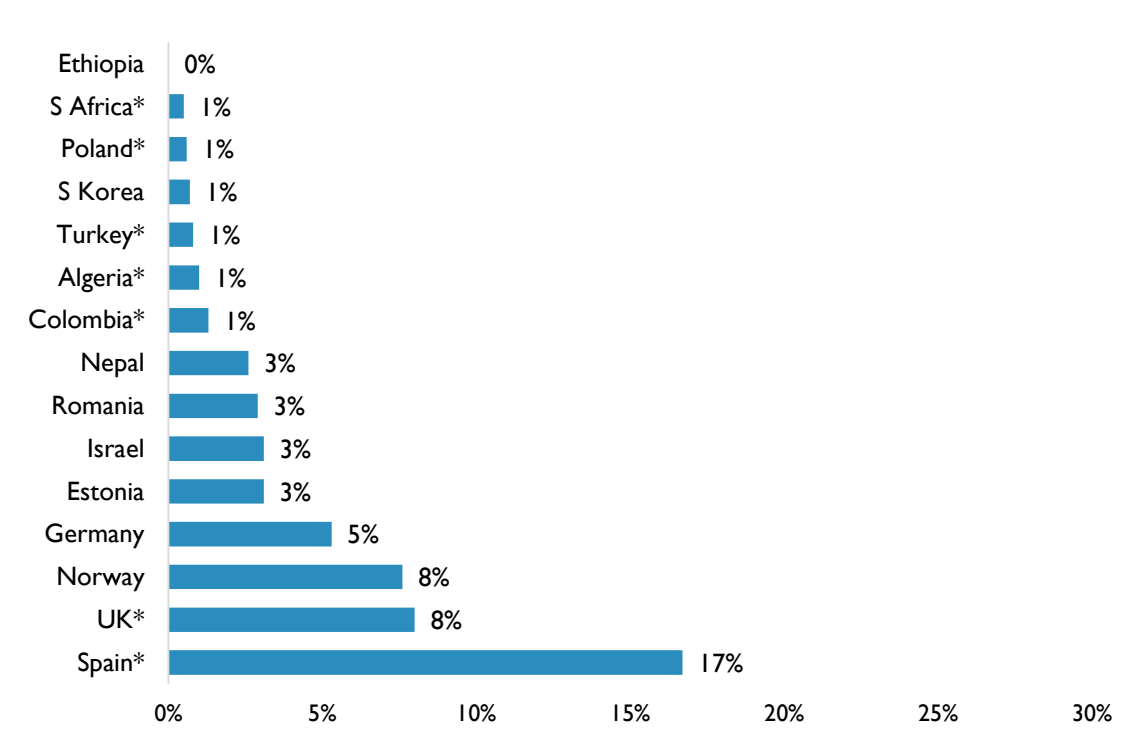
Figure 8: Frequency of receiving pocket money by country



12 year old survey, all countries

Country of origin

Finally in this chapter, we briefly present data in response to a question about whether the child was born in the country of the survey. More than one in 20 children (>5%) were born outside the country in four of the European countries in the survey – Spain, UK, Norway and Germany.

Figure 9: Percentage of children not born in the country of the survey by country

Summary and discussion

This chapter has provided a description of aspects of the context of children's lives based on the information gathered from children in the survey.

The large majority of children in all countries lived with their family, but within this broad description there are wide variations in household composition and living arrangements. In some countries (Nepal, Romania, South Africa and Poland) a third or more of children lived in three-generation households with one or more parents and one or more grandparents. In some countries – particularly Norway, the UK and Estonia – more than one in ten children regularly lived in two different homes, usually with one birth parent in each home. There is potential for further analysis to map the diversity of children's living circumstances across the 15 countries in the survey.

The survey also shows the range of material circumstances in which children live. In some countries, children typically have access to a much wider range of items and resources than others. The variations in children's ability to access the internet – ranging from 99% in Norway to 2% in Ethiopia – for example, are likely to be linked to substantial cross-national differences in how children spend their time and interact socially, and these factors might usefully be borne in mind when considering the findings presented in later chapters on friendships and time use.

Given the diversity of the sample of countries included in the survey it is not surprising that this descriptive analysis highlights substantial variations between countries. These variations provide important background information for the findings presented in the chapters that follow. This information also offers opportunities for future analysis of the data set to explore the extent to which children's subjective well-being varies according to contextual factors within and between countries.

Chapter 4

Life as a whole

Overview

There is a growing body of research on people's self-reported well-being – that is, their evaluations of, and feelings about, their lives. Although the research literature contains numerous different ideas and measures of self-reported well-being, it commonly includes three core concepts²³:

1. **Cognitive subjective well-being** which is concerned with people's evaluations of their lives as a whole, or in particular domains
2. **Affective subjective well-being** which relates to people's moods and feelings
3. **Psychological well-being** which focuses on the extent to which people feel their basic psychological needs are met and their sense of flourishing

There has been a substantial amount of research validating and utilising this conceptual framework with adults, particularly in the US, and also in other Western industrialised countries. However it is less certain how well the framework fits other cultural contexts, or the extent to which it is applicable to children.

The Children's Worlds survey questionnaire included measures designed to relate to all three of these concepts (see box on the next page), with the intention that the data set will enable researchers to test out the applicability of the concepts to children, cross-nationally and cross-culturally. The detailed analysis required to test out these frameworks will be a task for future work using the Children's Worlds data. In this chapter we consider three example questions representing each of the three components discussed above:

- satisfaction with life as a whole (cognitive subjective well-being)
- frequency of feeling happy in the past two week (affective subjective well-being)
- feeling positive about the future (psychological well-being)

We look at how children's responses to each of these three questions varies according to country, age and gender and establish some of the methods of comparison that are utilised in the topic-based chapters that follow.

²³ See, for example, Samman (2007); Deci & Ryan (2008); Linley et al.(2009)

Box 3: Questions about overall well-being**Cognitive subjective well-being***Single item*

- How satisfied are you with your life as a whole?

Response options were on an 11-point scale from 'Not at all satisfied' to 'Totally satisfied'

Multi-item²⁴

Here are five sentences about how you feel about your life as a whole. Please tick a box to say how much you agree with each of the sentences

- My life is going well
- My life is just right
- I have a good life
- I have what I want in life
- The things in my life are excellent

Response options were on an 11-point scale from 'Not at all agree' to 'Totally agree'

Affective subjective well-being*Multi-item²⁵*

Below is a list of words that describe different feelings and emotions. Please read each word and then tick a box to say how much you have felt this way during the last two weeks

- Happy
- Satisfied
- Relaxed
- Active
- Calm
- Full of energy

Response options were on an 11-point scale from 'Not at all' to 'Extremely'

Psychological well-being*Multi-item²⁶*

Please say how much you agree with each of the sentences:

- I like being the way I am
- I am good at managing my daily responsibilities
- People are generally pretty friendly towards me
- I have enough choice about how I spend my time
- I feel that I'm learning a lot at the moment
- I feel like I know where my life is going
- I feel positive about my future

Response options were on an 11-point scale from 'Not at all agree' to 'Totally agree'

This set of questions was not asked in Israel

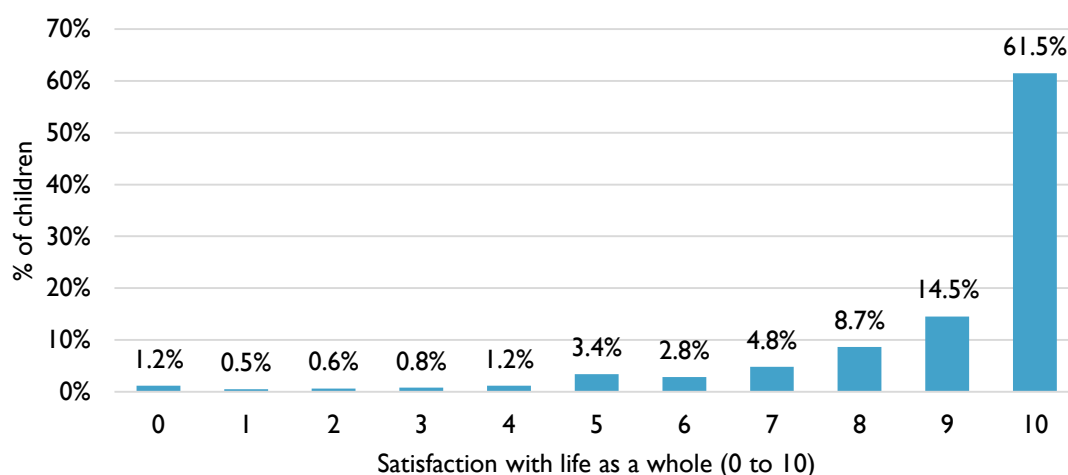
²⁴ This set of questions is derived from the Student Life Satisfaction Scale (Huebner, 1991). The first four items are taken directly from that scale and the fifth is an additional item being tested for the first time.

²⁵ This set of questions is based on ideas from Russell's work on 'core affect' (Russell, 1980). The items were selected with the age group and cross-national nature of the survey in mind. It was decided in this survey only to focus on positive affect so there are no items relating to negative affect.

²⁶ This set of items covers the six components of psychological well-being proposed by Ryff (1989). The final two items are alternative options for the component relating to 'purpose in life'. Some of the items are based on ones originally suggested by Keyes (2006) and Ryan & Deci (www.selfdeterminationtheory.org/questionnaires/)

Figure 10 shows the distribution of responses to the single-item measure of cognitive subjective well-being. It is well-established from the research on adult populations that subjective well-being tends to be highly skewed towards positive evaluations, with most people evaluating themselves above the mid-point of the scale and mean scores typically in the range of 7 to 8 out of 10. However, as can be seen from the chart, the distribution here is even more skewed with the majority of children in the 10-years-old and 12-years-old surveys saying that they were 'totally satisfied' with their lives. The mean score for this particular question in the pooled data set was around 8.9 out of 10.

Figure 10: Distribution of responses to question about satisfaction with life as a whole



10 and 12 year old surveys, all countries, equally weighted by age group and country

Such skewed distributions present challenges for statistical analysis because many statistical techniques require much more evenly-balanced²⁷ data. In the next section we discuss some of the approaches that might be taken to make comparisons using this type of data.

Different approaches to making comparisons

The table below presents a summary of some different comparisons between countries for the above question.

- The first column of figures shows the mean score for each country which varies from 8.1 in South Korea to 9.5 in Romania.
- The second column shows the mean rank of each country. This is a statistic calculated by ranking each case and then calculating the mean of the ranks of cases for each country. Because these statistics refer to an equally weighted data set with approximately 30,000 cases, the overall mean rank is around 15,000. Romania ranks highest on this statistic and South Korea ranks lowest.
- The next column shows the percentage of children scoring less than five out of 10, which ranged from 1.5% in Romania to 7.4% in South Africa.

²⁷ Approximating to a normal distribution

- Similarly the next column shows the percentage of children scoring a maximum score of 10 out of 10 ('totally satisfied') which ranges from 39.5% in South Korea to 78% in Turkey.
- The final column shows a measure of inequality of life satisfaction within each country which ranges from Romania (most equal = 1.299) to South Africa (least equal = 2.538)

Table 7: Summary of statistics for satisfaction with life as a whole by country

	Mean	Mean rank	% with low well-being (<5 out of 10)	% with very high well-being (10 out of 10)	Inequality (standard deviation)
Algeria*	9.13	16012	3.5%	67.9%	1.849
Colombia*	9.42	17427	1.8%	77.0%	1.459
Estonia	8.97	14861	3.6%	58.9%	1.818
Ethiopia	8.63	13417	4.5%	50.7%	2.024
Germany	8.82	13798	4.1%	52.6%	1.864
Israel	9.20	16620	3.5%	73.1%	1.818
Nepal	8.65	13826	6.0%	57.3%	2.216
Norway	9.00	15025	3.4%	60.3%	1.749
Poland*	8.81	14365	4.8%	56.7%	2.001
Romania	9.51	17607	1.5%	77.1%	1.299
S Africa*	8.56	14738	7.4%	62.8%	2.538
S Korea	8.10	11579	7.4%	39.5%	2.222
Spain*	9.02	14960	2.8%	56.8%	1.646
Turkey*	9.27	17446	4.1%	78.0%	1.897
UK*	8.66	13744	5.5%	53.4%	2.113
All	8.92	15000	4.2%	61.5%	1.957

10 and 12 year old surveys, all countries, equally weighted by age group

These points about the highest and lowest scores for each statistic illustrate that the choice of comparison statistic makes a difference to which country is identified as having the highest and lowest well-being. This is illustrated further by Table 8 which shows the rankings of each country on each of the five measures in Table 7.

- Romania and Colombia are consistently in the top three ranked countries and South Korea is in the bottom two ranked countries irrespective of which measure is used.
- Algeria, Estonia, Israel, Poland and the UK all have rankings within a range of one or two places of each other in all five columns.
- However for other countries there is more variation.
- The widest variation is for South Africa which ranks 6th out of the 15 countries based on the proportion of children with very high well-being but 15th based on the proportion of children with low well-being and on inequality.
- Turkey ranks first for the proportion of children with very high well-being but 9th for equality of well-being
- Spain ranks as high as 3rd for the (low) proportion of children with low well-being but 10th for the proportion of children with very high well-being.

Table 8: Summary of different approaches to country rankings for satisfaction with life as a whole

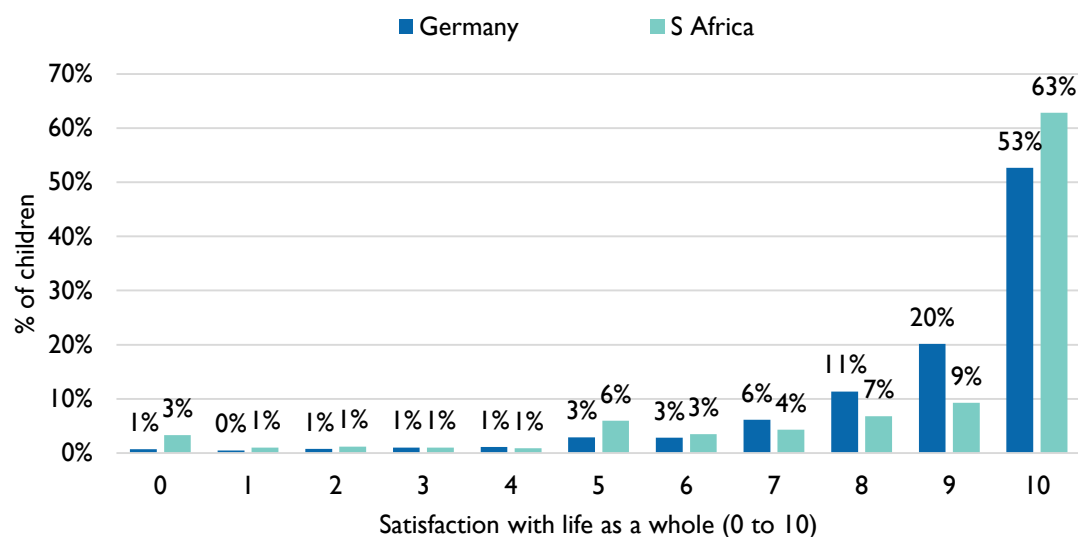
	Mean	Mean rank	% with low well-being (<5 out of 10)	% with very high well-being (10 out of 10)	Inequality (standard deviation)
Algeria*	5	5	5	5	7
Colombia*	2	3	2	3	2
Estonia	8	8	7	8	6
Ethiopia	13	14	10	14	11
Germany	9	12	9	13	8
Israel	4	4	6	4	5
Nepal	12	11	13	9	13
Norway	7	6	4	7	4
Poland*	10	10	11	11	10
Romania	1	1	1	2	1
S Africa*	14	9	15	6	15
S Korea	15	15	14	15	14
Spain*	6	7	3	10	3
Turkey*	3	2	8	1	9
UK*	11	13	12	12	12

10 and 12 year old surveys, all countries, equally weighted by age group

It is therefore important to acknowledge that the choice of statistic to summarise the distribution of well-being in each country will have a tangible effect on the rankings of countries.

To illustrate the reasons for this, the chart below shows the distribution of responses to the question about satisfaction with life as a whole in two countries with contrasting patterns of responses – Germany and South Africa. A substantially greater proportion of children in South Africa (63%) than Germany (53%) chose the maximum score of 10 out of 10. However, children in Germany more frequently selected each of the next three highest response categories (7 to 9) than children in South Africa. The effect of this is that 90% of children in Germany selected a score higher than 6 out of 10, compared to 79% of children in South Africa. At the bottom end of the scale only 0.7% of children in Germany selected the lowest possible score of 0 out of 10 compared to 3.3% of children in South Africa. Thus:

- Germany has a higher mean score than South Africa
- South Africa has a higher mean rank score than Germany
- Germany has a smaller proportion of children with low well-being than South Africa
- South Africa has a higher proportion of children with very high well-being than Germany
- Germany has less inequality of well-being than South Africa

Figure 11: Distribution of responses to question about satisfaction with life as a whole

10 and 12 year old surveys, all countries, equally weighted by age group and country

For this report, given the number of different survey questions for which findings are presented, it would be impractical to present five different summary statistics for each question. We have therefore chosen to focus on two.

First, we make use of the mean score as the main way to rank countries. The mean is one of the three out of the five statistics that makes use of information about the whole distribution and is easier to interpret than the mean rank or standard deviation. In addition, due to the highly-skewed distribution, there are statistical problems with using the standard deviation.

Second, we make use of the proportion of children with low well-being. We have reasoned that this may be of greater practical and policy concern than the proportion of children who are totally satisfied with their lives. Additionally, for this type of highly-skewed distribution the proportion with low well-being is closely related to measures of inequality of well-being as can be seen from the relevant columns in Table 8.

Additionally, we need to be aware of the possibility of cultural response differences. As reviewed in Chapter 1, these are an identified phenomenon in the literature on adult subjective well-being but there has been little exploration of this topic in relation to children. It would seem logical to think that if there are systematic differences in responding to these types of questions across countries then there may be similar patterns for adults and children. However, this may not be the case. Some initial analysis we have undertaken on the association between adults' and children's mean level of subjective well-being at a country level does not suggest a strong relationship between the two²⁸

On the other hand, we have found evidence in our data that children in different countries may respond differently to questions presented in different formats. For example, there are some suggestions in the findings presented in Chapter 5 that children in Romania and Turkey respond more positively to questions about family and home using an 11-point satisfaction

²⁸ Further details will be published in a working paper later in 2015.

scale than with questions about the same topics using a five-point agreement scale (see, for example, Table 11).

The possibility can not be discounted that some of the variations between countries that we see in children's (and adults') evaluations of their lives are attributable to differences in response tendencies between countries. Therefore, while we have produced rankings of means and percentages throughout this report, these need to be treated with appropriate caution and, as outlined in Chapter 1, we have also taken other comparative approaches in the topic-based chapters.

Variations by country

In light of the above discussion the following three charts show, for the 12-years-old survey, the mean scores and the percentage of children with low well-being for each of the three questions considered in this chapter.

Figure 12: Level of satisfaction with 'life as a whole' by country

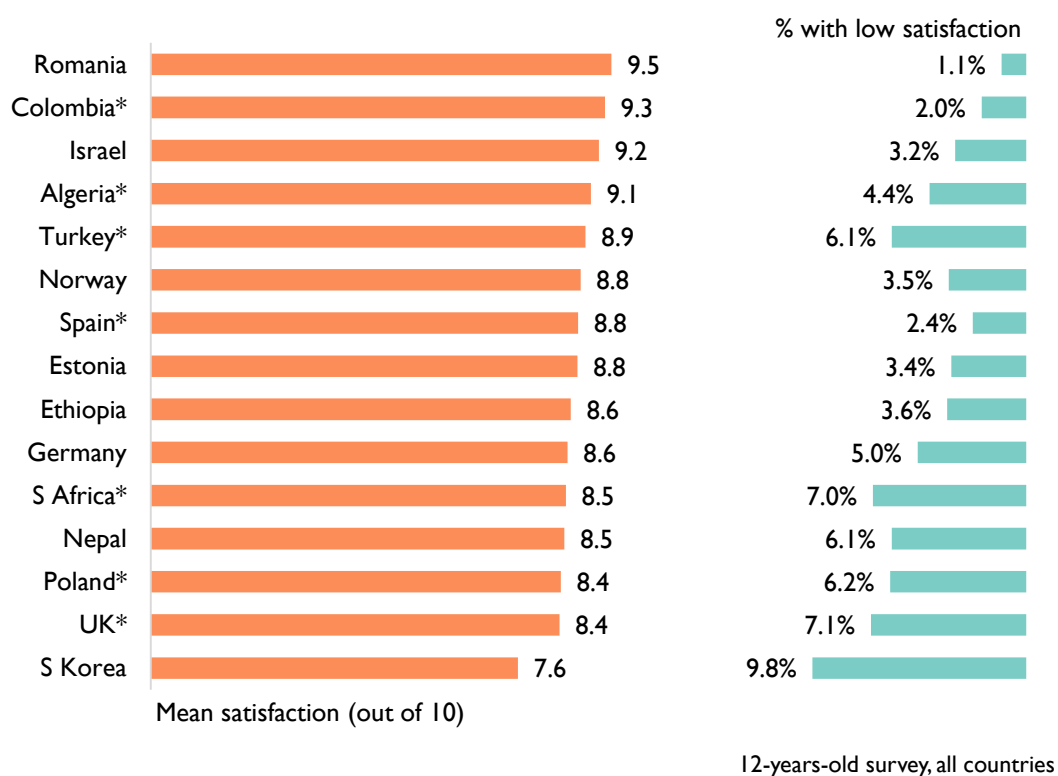


Figure 13: Level of happiness in the last two weeks by country

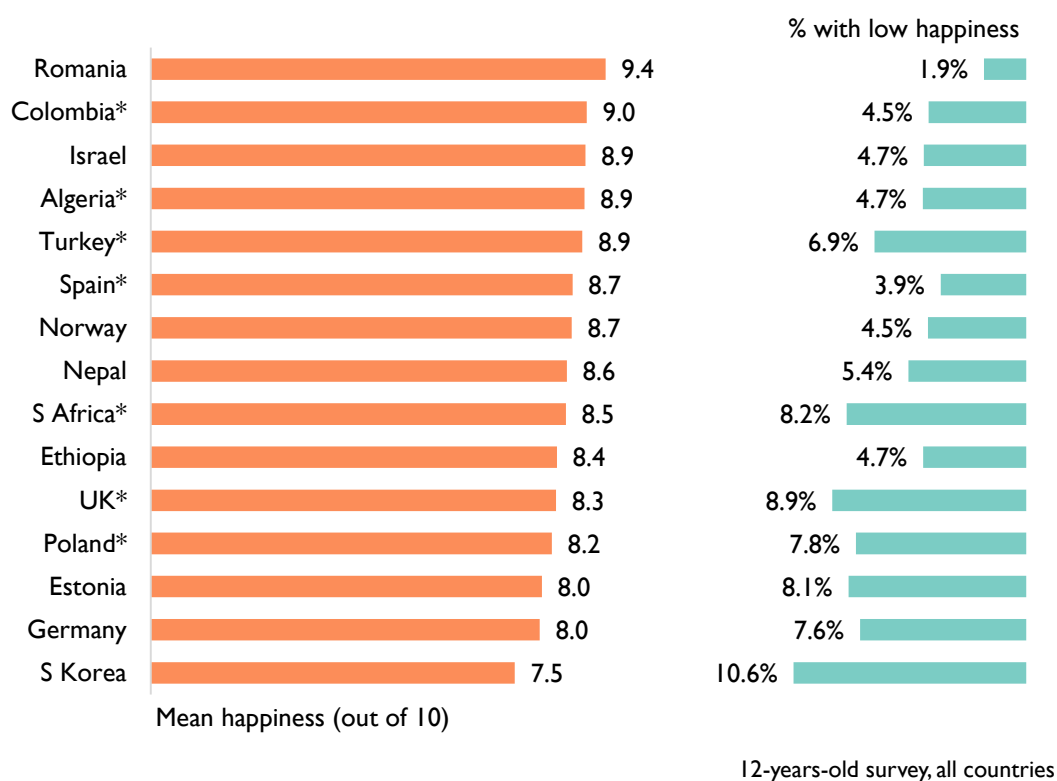


Figure 14: Level of agreement with 'I feel positive about the future' by country

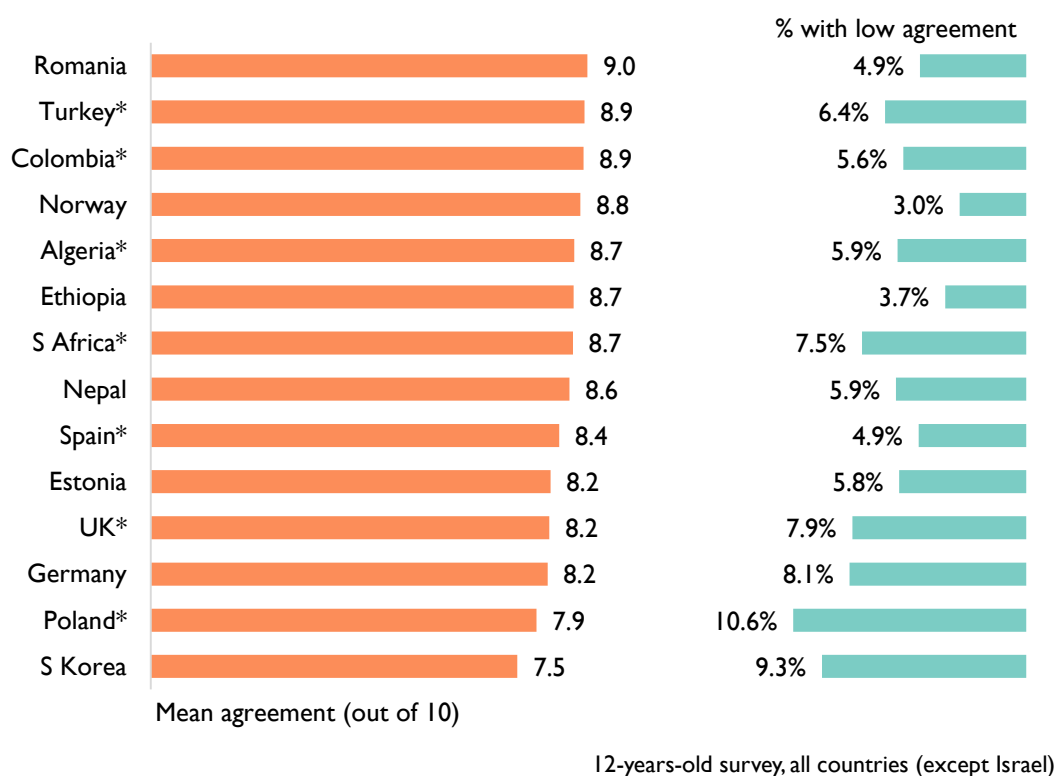


Table 9 summarises these three charts by showing the ranking for each of the three questions in terms of mean scores and percentages of children with low well-being. Looking at these rankings:

- Some countries rank reasonably consistently across the different questions and the two types of rankings. These include: Romania and Colombia (high rankings) and South Korea and Poland (low rankings)
- Other countries show variability between the three different questions. For example, Nepal ranks lower for life satisfaction than for happiness or the future. Conversely, Estonia and the UK have the opposite pattern
- Some countries – Algeria, South Africa and Turkey – rank higher on mean scores than on percentages with low well-being. The opposite is true in Spain and Ethiopia.
- The high rankings of Norway and Ethiopia in the right-hand column – reflecting low proportions of children with low agreement regarding feeling positive about the future are also notable.

These differences reinforce the point made earlier that the choice of self-reported well-being indicator and of the particular comparison made (e.g. mean or percentage with low well-being) have implications for the conclusions that will be drawn on between-country variations.

Table 9: Summary of country rankings for three measures of well-being

	Mean scores			% low well-being		
	Satisfaction	Happiness	Future	Satisfaction	Happiness	Future
Algeria*	4	4	5	8	7	7
Colombia*	2	2	3	2	3	5
Estonia	8	13	10	5	12	6
Ethiopia	9	10	6	7	6	2
Germany	10	14	12	9	10	12
Israel	3	3	n/a	4	5	n/a
Nepal	12	8	8	11	8	8
Norway	6	7	4	6	4	1
Poland*	13	12	13	12	11	14
Romania	1	1	1	1	1	3
S Africa*	11	9	7	13	13	10
S Korea	15	15	14	15	15	13
Spain*	7	6	9	3	2	4
Turkey*	5	5	2	10	9	9
UK*	14	11	11	14	14	11

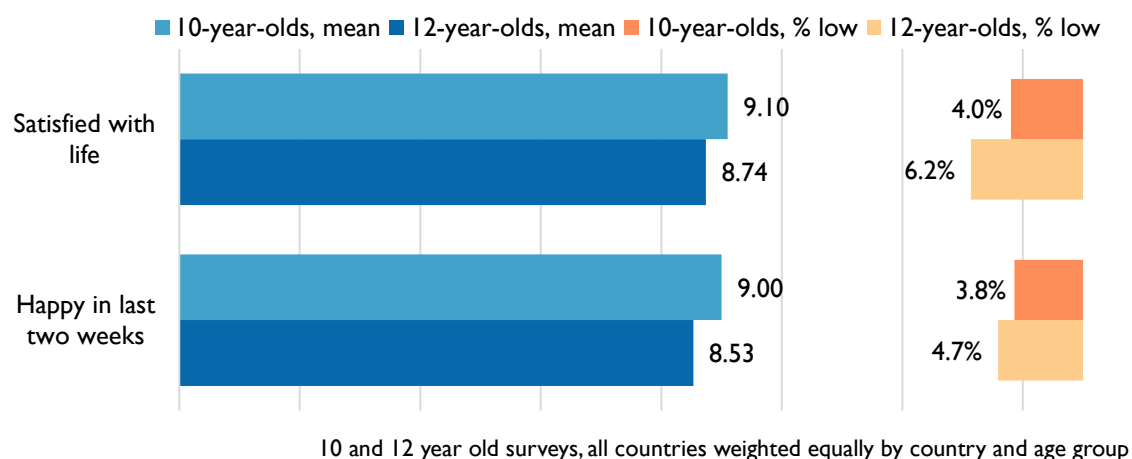
12 year old surveys, all countries

Variations by age group

The chart below shows key statistics for life satisfaction and happiness in the last two weeks for the 10-years-old and 12-years-old age groups respectively. Note that the third question considered in this chapter about feeling positive about the future was not asked in the 10-years-old questionnaire.

Children in the 12-years-old survey had significantly lower mean scores and significantly higher rates of low well-being for both of these questions.

Figure 15: Selected overall well-being variable by age group (pooled sample)

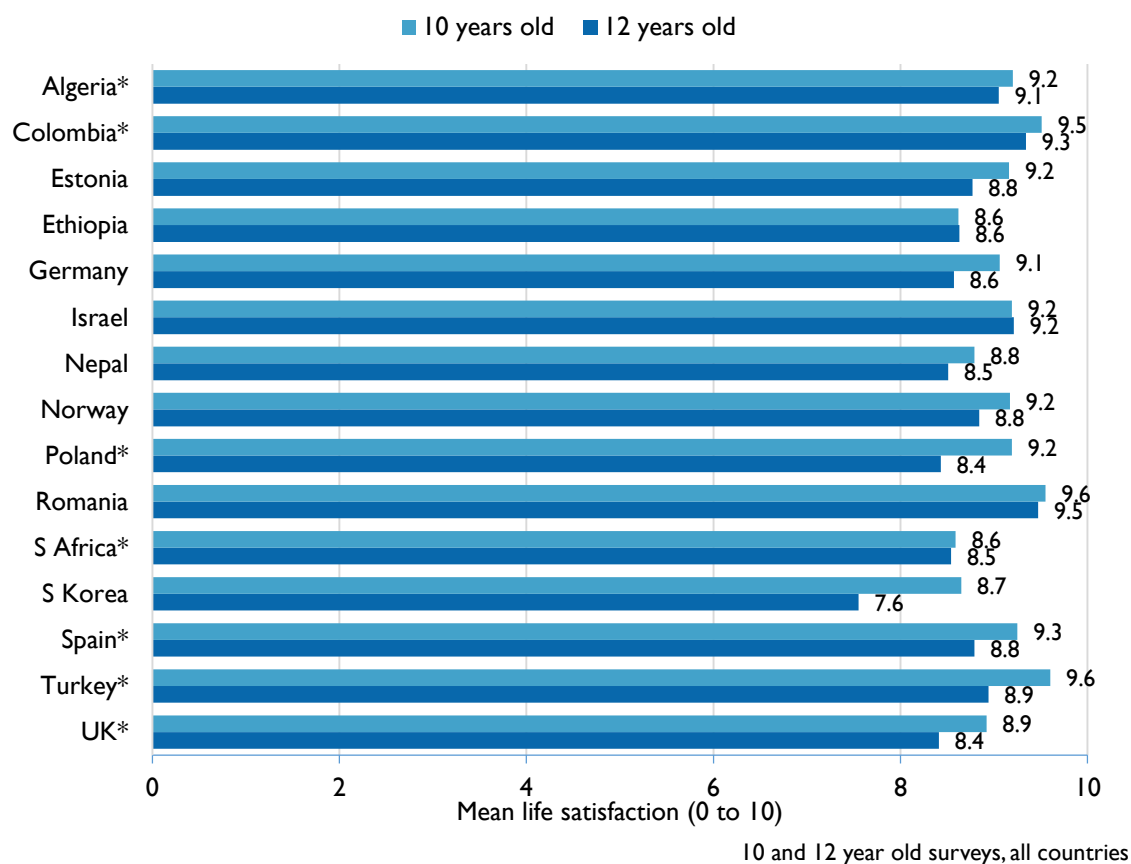


At a country level, there were significant differences in life satisfaction and happiness according to age group.

- For life satisfaction, five countries had lower mean scores for 12-year-olds than 10-year-olds – Estonia, Spain, Turkey, South Korea and Poland – although in only two of these countries – Turkey and South Korea – was the difference in percentages with low well-being also statistically significant.
- For happiness, there was a larger group of eight countries where mean happiness was lower among 12-year-olds than 10-year-olds; although again for this question the difference in percentages with low well-being was only significant in Turkey and South Korea.

The overall decline in life satisfaction between the 10-years-old and 12-years-old surveys is not in evidence in all countries as illustrated in Figure 16. This chart shows the sharp drop in mean satisfaction in South Korea (from 8.7 in the 10-year-olds survey to 7.6 in the 12-year-old survey), in Poland (9.2 to 8.4) and in Turkey (9.6 to 8.9); as well as smaller drops in a number of other (European) countries. However there is no change in life satisfaction between the two age groups in Israel and Ethiopia and only a very small (and statistically non-significant) difference in three other countries – South Africa, Romania and Algeria. As will be seen in other chapters this pattern is also in evidence for a number of specific aspects of life. This suggests an important area for future research to explore age-related patterns in a cross-national context, ideally with a wider age range.

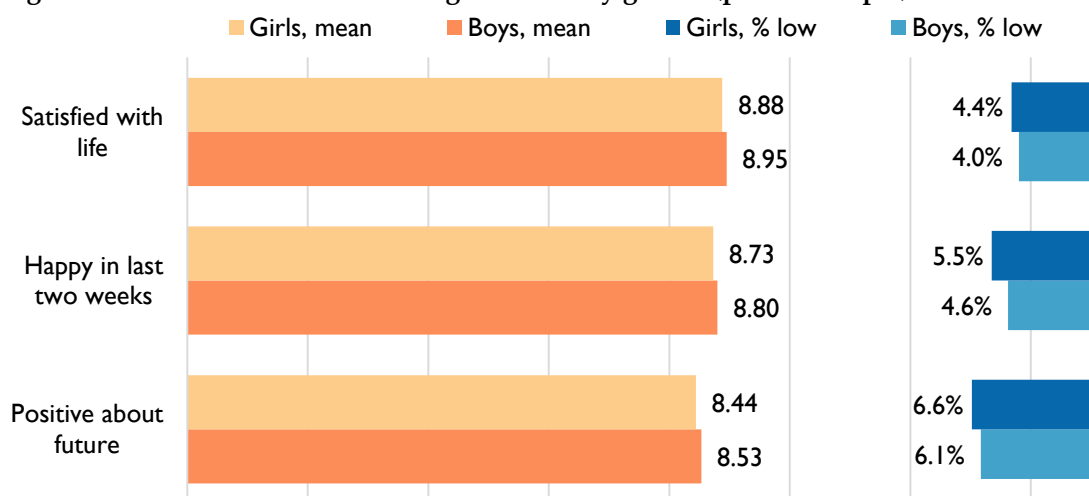
Figure 16: Variations in mean life satisfaction by country and age group



Variations by gender

The chart below shows an overview of gender patterns in the three well-being variables for the pooled data set. There was no significant difference between females and males for any of the three variables, either in terms of mean scores or the percentages with low well-being.

Figure 17: Selected overall well-being variables by gender (pooled sample)



10 and 12 year old surveys, all countries weighted equally by country and age group

Looking at each country individually, the only significant gender differences were in South Korea where girls had lower mean scores than boys on each of the three variables, and also a higher proportion of low happiness than boys. It is worth noting that the South Korea sample was substantially larger than the other countries and therefore it is more likely that analysis will pick up small differences in this country. However, across the data set there was little evidence of a consistent gender pattern, with some countries tending to have slightly higher scores for girls and other countries tending to have slightly higher scores for boys.

Summary and discussion

This chapter has focused on children's evaluations of their lives as a whole making use of three of the single-item measures included in the survey designed to cover cognitive subjective well-being (life satisfaction); affective subjective well-being (recent feelings of happiness) and psychological well-being or 'flourishing' (feelings about the future).

On the face of it there are substantial variations between countries in children's overall evaluations of their lives with, typically, children in Romania and Colombia having the highest scores and children in South Korea the lowest. However the chapter also highlights two issues that need to be borne in mind in considering such comparisons.

First, the ranking of countries can differ substantially depending on which of the three measures is being considered and also whether one focuses on mean scores or on the proportion of children with particularly low scores. For example, children in Turkey rank much higher for mean scores than when low well-being is considered; and children in Estonia rank much lower for feelings of happiness than for life satisfaction.

Second, it is important to be aware of the possibility, highlighted in the literature on adult subjective well-being, of differences between countries in interpretation of the different concepts and also in tendencies to select particular response options. Thus it will be important for future analysis of the data set to test some of the multi-item measures of overall well-being included in the survey, and also to investigate plausible associations between variations in self-reported well-being at a country level and other social indicators, which might help to explain the observed variations.

We have also explored gender and age variations in children's self-reported overall well-being. There is very little evidence of significant gender variations in the pooled sample or in particular countries (the exception being South Korea where boys had higher well-being scores). However there is some evidence of age group variations. An important finding here, echoed throughout the report, is that in some countries there are significant drops in well-being between the 10-years-old and 12-years old surveys, while in other countries there are not. The fact that age-related patterns are not universal identifies a potentially important topic for future research.

Chapter 5

Home and family

Overview

Children were asked 12 questions about their home life:

- Five agreement questions
- Four satisfaction questions
- Three time use questions

The agreement and satisfaction questions are shown in the box below.

Box 4: Home and family: Agreement and satisfaction questions

Agreement questions:

- I feel safe at home
- I have a quiet place to study at home
- My parents (or the people who look after me) listen to me and take what I say into account
- We have a good time together in my family
- My parents (or the people who look after me) treat me fairly

Answers were given on a five-point, unipolar scale, with responses ranging from 'I do not agree' to 'Totally agree'.

Satisfaction questions

How satisfied are you with...

- The house or flat where you live
- The people who live with you
- All the other people in your family
- Your family life

Responses were on a unipolar, 11-point scale from 0-10, with 0 labelled as 'Not at all satisfied' and 10 labelled as 'Totally satisfied'.

The third satisfaction item was not asked in Poland.

The three questions about time use are discussed in Chapter 13.

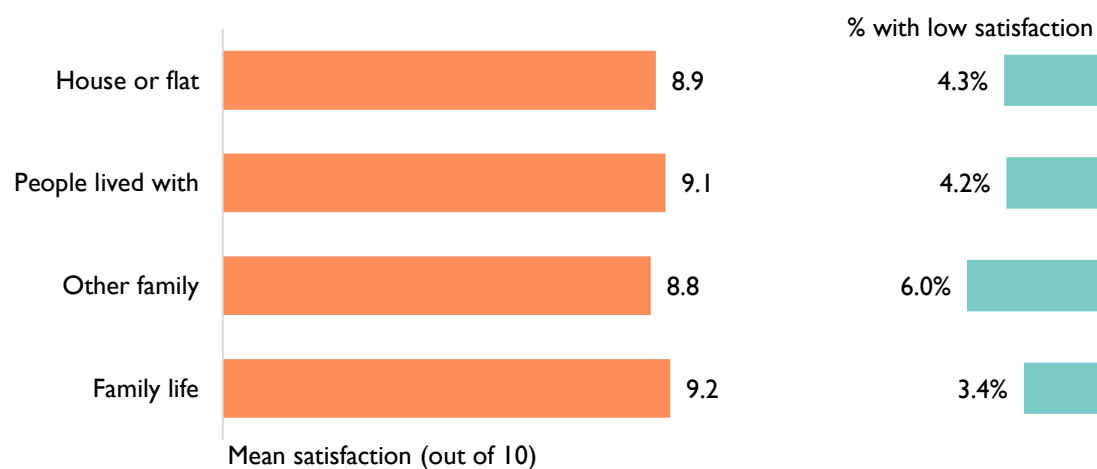
The wordings and overall responses to the agreement questions for the whole sample (equally weighted by country and age group) are shown in Table 10. The majority of children totally agreed with all five statements. The highest level of total agreement was for feeling safe at home (73%) and the lowest level of total agreement was for having a quiet place to study (53%).

Table 10: Agreement questions about home and family life

	Not at all	A little	Somewhat	A lot	Totally
I feel safe at home	3%	3%	5%	16%	73%
I have a quiet place to study at home	7%	6%	12%	22%	53%
My parents listen to me and take what I say into account.	4%	6%	13%	23%	55%
We have a good time together in my family	3%	4%	9%	20%	64%
My parents treat me fairly	4%	4%	8%	20%	65%

10 and 12 year old surveys, all countries, equally weighted by age group and country

Figure 18 shows the mean scores and percentage of children with low satisfaction for the four satisfaction items about home and family. Mean scores for the whole data set (equally weighted by country and age group) were close to 9 out of 10 for all four items. The percentage of children with low satisfaction was also relatively small, ranging from around 3% to 6%.

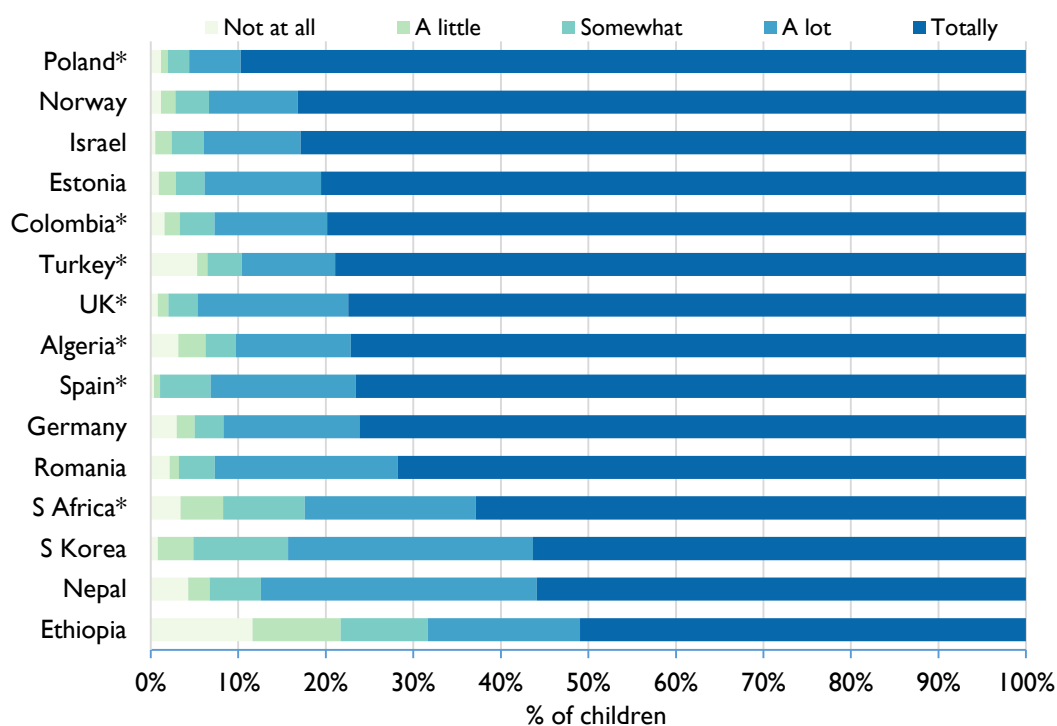
Figure 18: Satisfaction questions about home and family life

10 and 12 year old surveys, all countries, equally weighted by age group and country

Variations by country

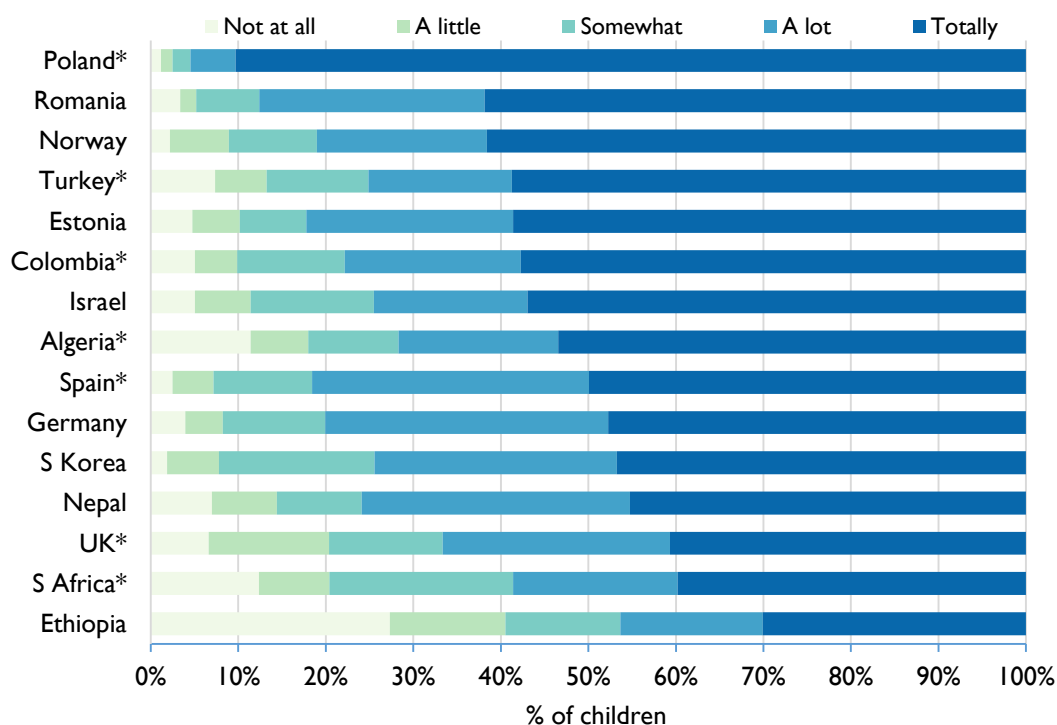
The charts on the following five pages show the distribution of responses to each of the nine questions by country. A summary of the key points from these charts follows.

Figure 19: Level of agreement with 'I feel safe at home' by country



10 and 12 year old surveys, all countries, equally weighted by age group

Figure 20: Level of agreement with 'I have a quiet place to study at home' by country



10 and 12 year old surveys, all countries, equally weighted by age group

Figure 21: Level of agreement with 'We have a good time together in my family' by country

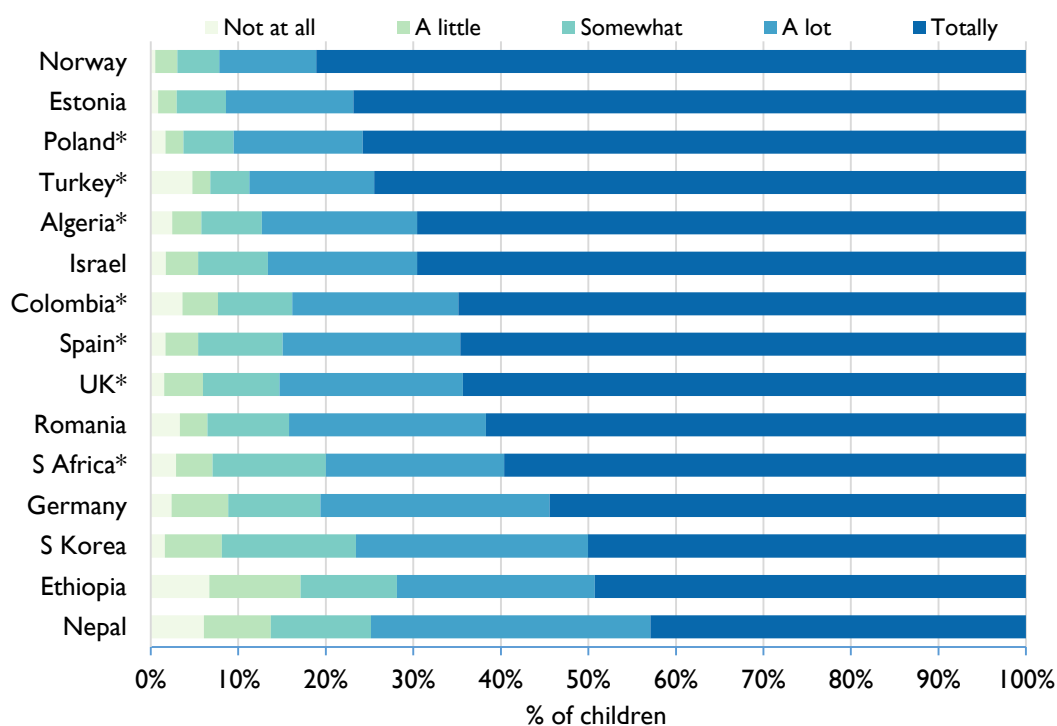


Figure 22: Level of agreement with 'My parents listen to me and take what I say into account' by country

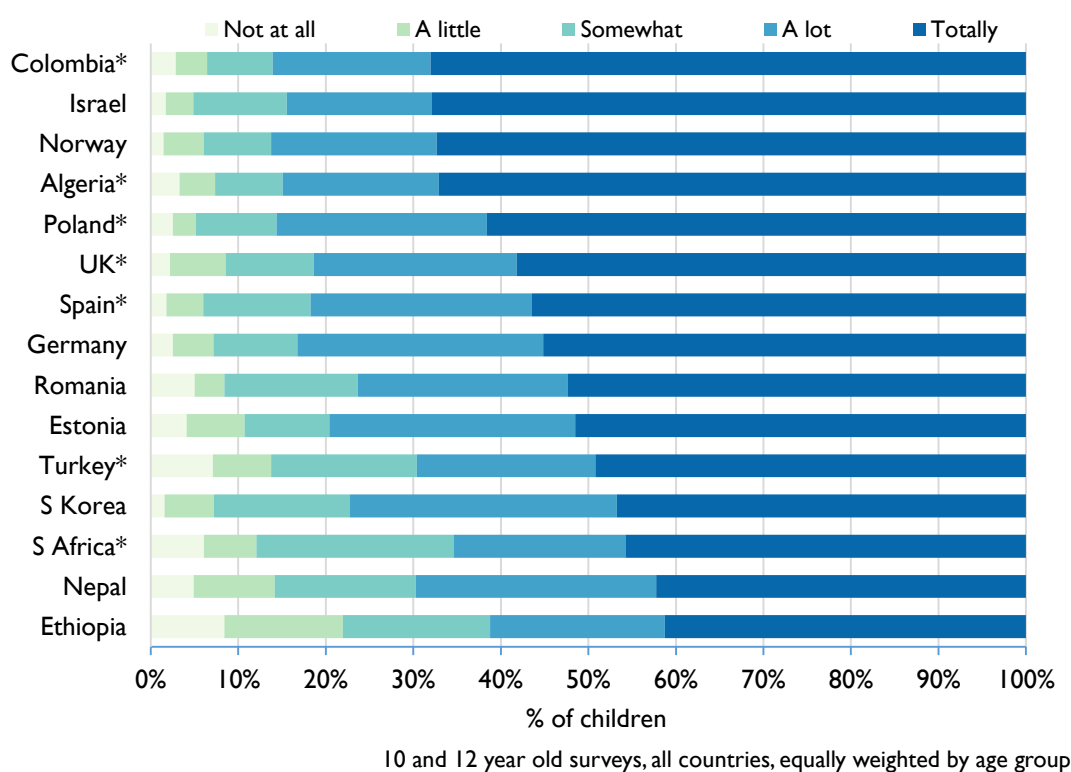


Figure 23: Level of agreement with 'My parents treat me fairly' by country

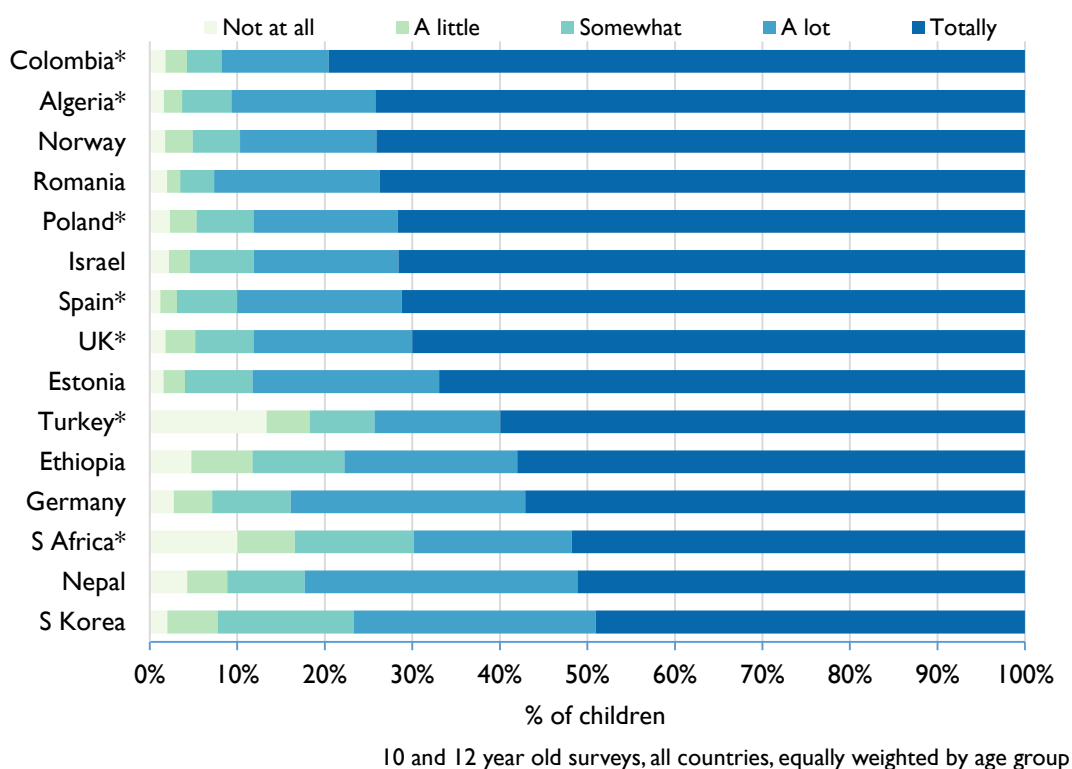


Figure 24: Level of satisfaction with 'the house or flat where you live' by country

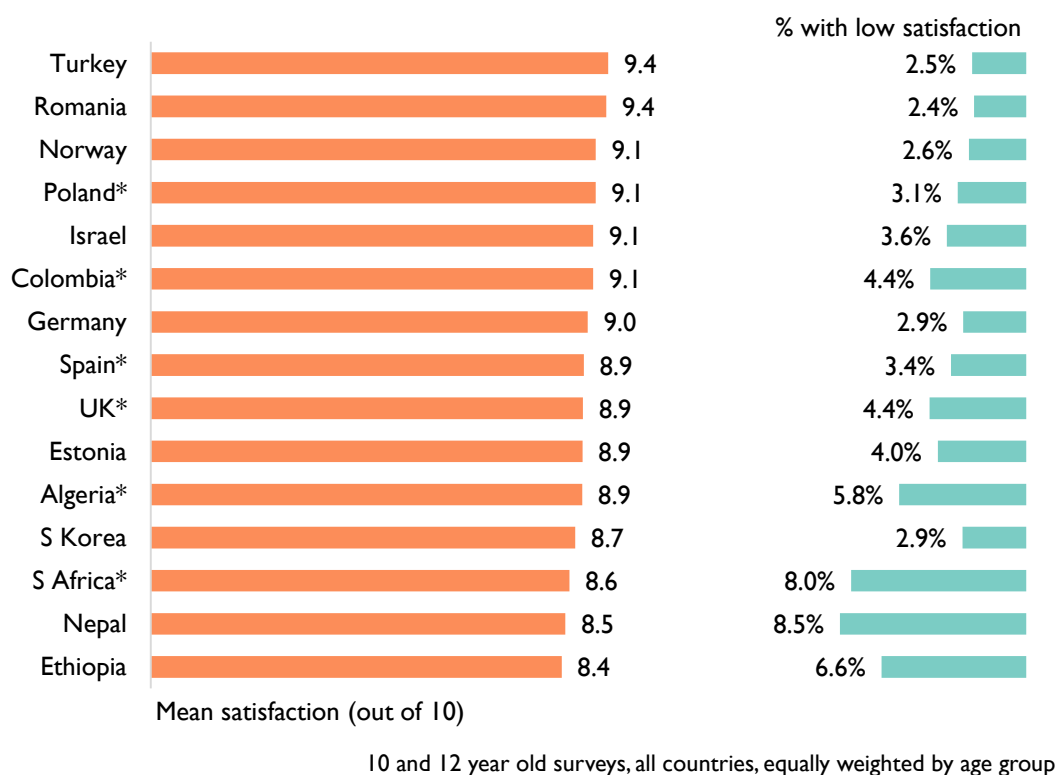


Figure 25: Level of satisfaction with 'the people who live with you' by country

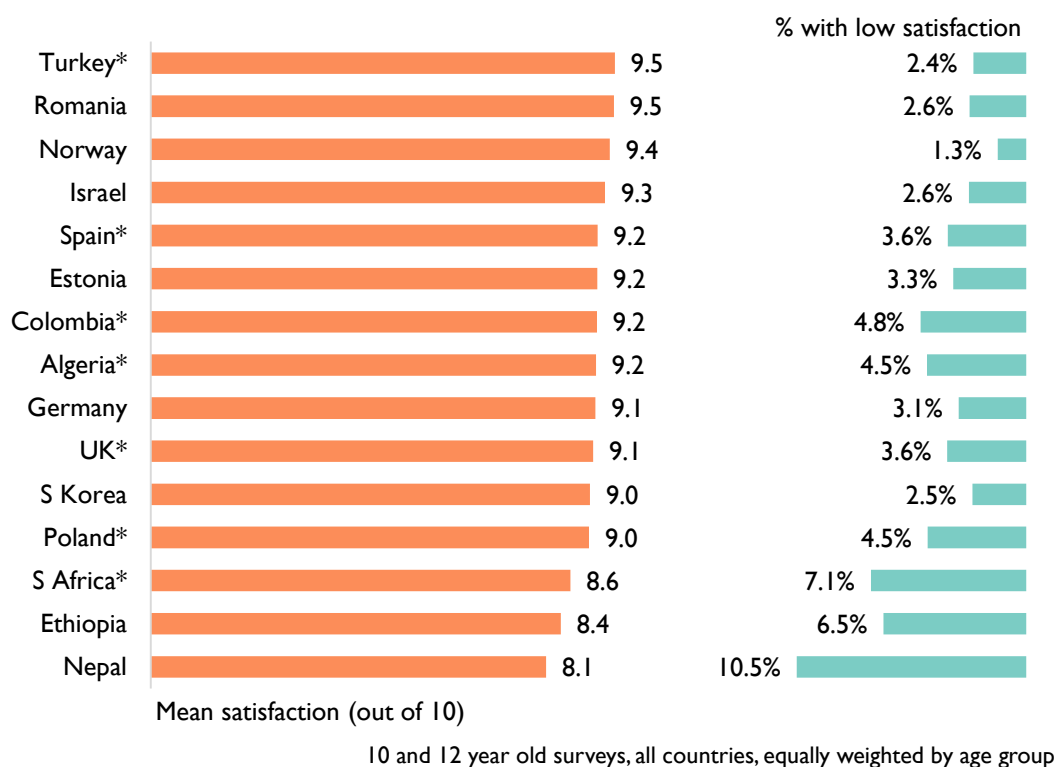


Figure 26: Level of satisfaction with 'all the other people in your family' by country

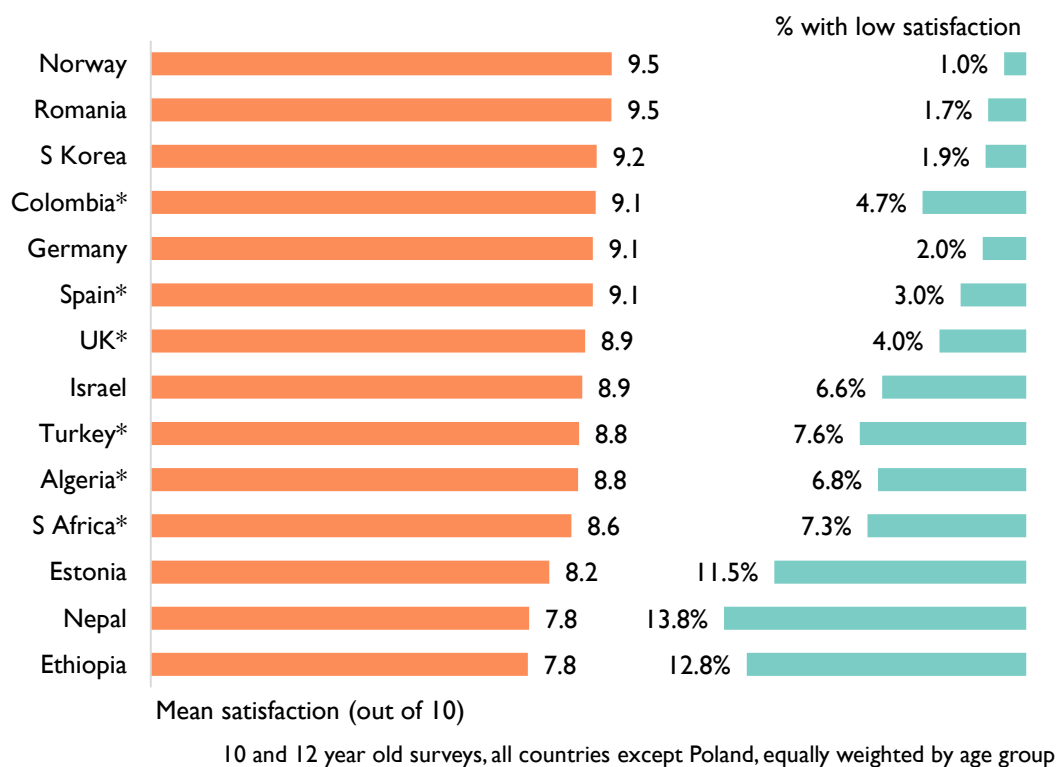
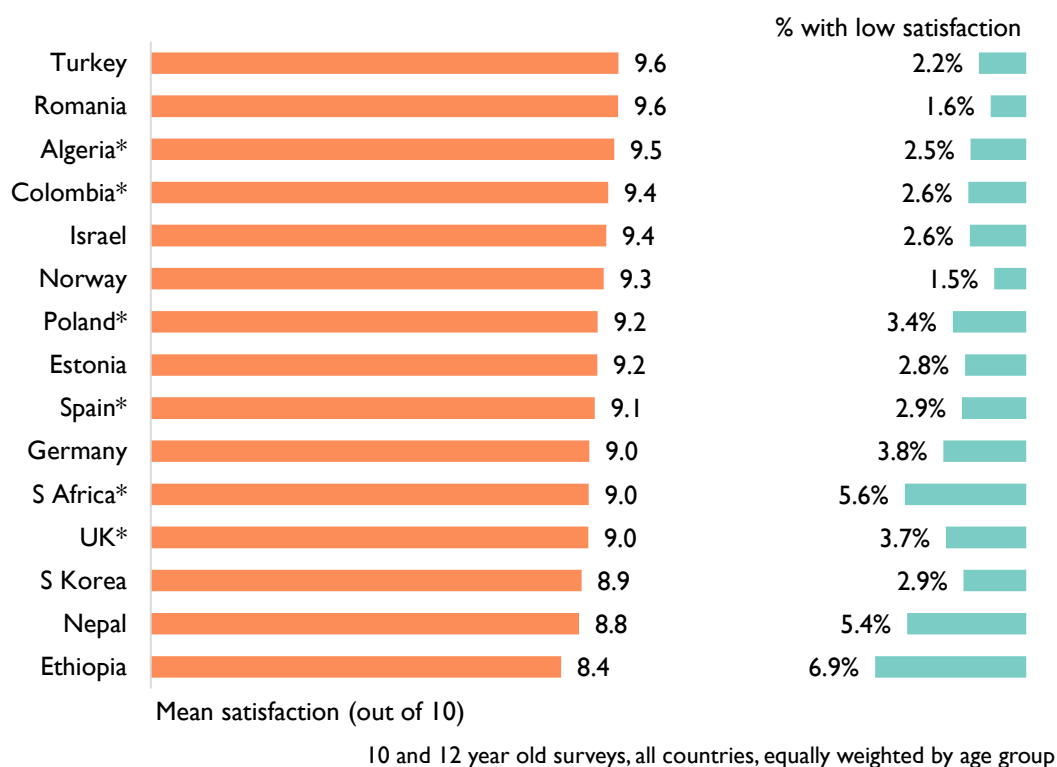


Figure 27: Level of satisfaction with 'your family life' by country



The two tables below summarise the key points about variations between countries in relation to family and home life.

Table 11 shows a ranking of the mean scores for each question.

- Two countries – Norway and Colombia – rank highly on all or almost all aspects of home and family life
- Romania and Turkey tend to rank higher for the satisfaction items than the agreement items, which may indicate some differences in responses to these two question formats in those countries (see discussion in Chapter 1 about cultural response differences).
- Two countries – Ethiopia and Nepal – rank low on all aspects
- South Korea also ranks low for all aspects apart from satisfaction with 'other people in your family'
- Some countries vary widely in their rankings on different aspects. For example, children in Algeria rank third for satisfaction with family life but 10th for agreeing that they have a place to study at home.

Table 11: Home and Family – Summary of rankings by country for each question

	Safe	Place to study	Parents listen	Has good time	Parents treat fairly	House or flat	People lived with	Other people in family	Family life
Algeria*	9	10	4	6	3	11	8	10	3
Colombia*	5	5	2	9	1	6	7	4	4
Estonia	4	4	9	2	9	10	6	12	8
Ethiopia	15	15	15	14	11	15	14	14	15
Germany	10	9	8	12	10	7	9	5	10
Israel	2	7	3	5	7	5	4	8	5
Nepal	13	11	13	15	13	14	15	13	14
Norway	3	3	1	1	4	3	3	1	6
Poland*	1	1	5	3	6	4	12	n/a	7
Romania	11	2	10	10	2	2	2	2	2
S Africa*	12	14	14	11	14	13	13	11	11
S Korea	14	12	11	13	15	12	11	3	13
Spain*	8	8	6	7	5	8	5	6	9
Turkey*	7	6	12	4	12	1	1	9	1
UK*	6	13	7	8	8	9	10	7	12

10 and 12 year old surveys, all countries, equally weighted by age group

Table 12 presents 'relative scores'. As discussed in Chapter 1 these scores have been calculated to highlight relatively high and low scores within different countries, taking into account the overall response tendencies of children within each country. They are intended to complement the rankings of absolute scores as in the table above. As can be seen from Table 9, they paint a slightly different picture:

- Here the scores for Norway and Colombia are not greatly different from what would be expected based on children's patterns of responses across all the topics in the questionnaire.
- Ethiopia and Nepal still tend to score fairly low in this domain, even taking into account the general pattern of response for these countries
- On the other hand, South Korea scores highly for a number of questions, suggesting that this is one of the domains where children in South Korea feel relatively satisfied in comparison with other aspects of their lives. The same is true to a lesser extent for Germany.
- Children in the UK tend to score relatively well on this domain, except for having access to a quiet place to study, for which there is a notably low relative score.

Table 12: Home and Family – Relative scores by country for each question*See Chapter 1 for explanation of these scores*

	Safe	Place to study	Parents listen	Has good time	Parents treat fairly	House or flat	People lived with	Other people in family	Family life
Algeria*	0.98	0.93	1.04	1.01	1.04	0.99	1.00	0.99	1.03
Colombia*	1.00	1.00	1.05	0.97	1.05	0.98	0.97	1.00	0.99
Estonia	1.03	1.04	0.98	1.07	1.02	1.01	1.03	0.95	1.02
Ethiopia	0.88	0.73	0.93	0.96	1.03	0.99	0.97	0.92	0.96
Germany	1.03	1.04	1.05	0.98	1.00	1.02	1.02	1.05	1.00
Israel	1.03	1.00	1.06	1.02	1.03	0.99	1.01	0.98	1.00
Nepal	0.95	0.98	0.93	0.89	0.96	0.99	0.93	0.92	1.00
Norway	0.98	1.00	1.01	1.02	0.98	0.98	1.00	1.03	0.97
Poland*	1.03	1.18	1.01	1.02	0.99	1.02	0.99	n/a	1.00
Romania	1.00	1.09	0.98	0.99	1.06	0.98	0.98	1.01	0.98
S Africa*	1.01	0.92	0.99	1.05	0.94	1.00	0.99	1.02	1.02
S Korea	0.99	1.06	1.04	0.99	0.98	1.04	1.06	1.11	1.03
Spain*	1.00	1.00	1.00	0.98	1.02	0.99	1.00	1.02	0.99
Turkey*	1.01	1.01	0.93	1.04	0.90	1.01	1.01	0.96	1.00
UK*	1.05	0.92	1.04	1.03	1.05	1.01	1.02	1.04	1.00

10 and 12 year old surveys, all countries, equally weighted by age group

Variations by age group

Looking at each country individually, there was no clear pattern of age differences for the questions considered in this chapter, and few of the differences met the criteria for statistical significance outlined in Chapter 1. Children in the 10-years-old survey in South Korea had significantly higher levels of agreement and satisfaction for most of the questions. There was also some evidence of a similar pattern for some questions in Germany, Poland and Spain. However, overall, this was not an aspect of life where clear and consistent differences were evident between the two age groups.

Variations by gender

Similarly there were relatively few significant gender differences either in the agreement or the satisfaction items for this topic.

Summary and discussion

In general, children in the survey were positive about their home and family lives. It is encouraging, for example that almost three-quarters of children totally agreed that they felt safe at home, although the fact that 3% of children did not agree with this statement at all and that a further 3% only agreed a little could still be seen as a concern in that these percentages will translate into substantial numbers of children.

Similar comments can be made about the other questions covered in this chapter. While the generally positive picture is reassuring, further analysis would be helpful to try to identify factors associated with the minority of children who reported low agreement and satisfaction with this important aspect of their lives.

There were some consistent variations between countries. Children in Ethiopia and Nepal tended to score low in this domain in both absolute and relative terms. There was more variability in the higher scores, although children in Norway tended to score high rankings for almost all questions. In relative terms this was an aspect of life with which children in South Korea tend to be more satisfied than average compared to other aspects considered in later chapters, and the same is true to a lesser extent for Germany and the UK.

There was very limited evidence, either overall or at an individual country level, of statistically significant variations by age group or gender for this aspect of life.

Chapter 6

Money and possessions

Overview

Children were asked two evaluative questions about money – one satisfaction question and one agreement question. These questions were in a section of the questionnaire entitled 'Money and things you have' and followed the set of questions about personal and household possessions discussed in Chapter 3. Question wordings were as follows.

Box 5: Questions about money and possessions

How satisfied are you with all the things you have?

Responses were on an 11-point unipolar scale from 'Not at all satisfied' to 'Totally satisfied'

How often do you worry about how much money your family has?

Responses were on a four-point scale with response options being 'Never', 'Sometimes', 'Often' and 'Always'

(This question was not asked in the UK as, during piloting, children in that country expressed the view that the question was too sensitive).

Overall responses for the pooled data are shown in the two charts below.

Figure 28: Satisfaction with 'the things you have'

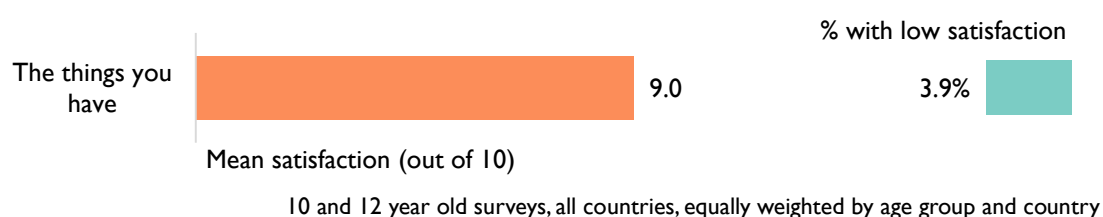
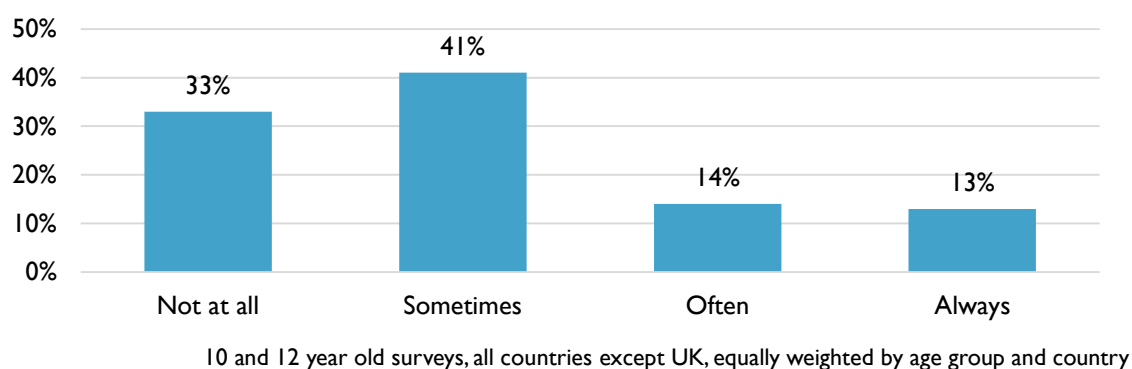


Figure 29: Frequency of worrying about family money



Variations by country

The following three charts summarise children's responses to these two questions by country.

Figure 30 shows the mean scores and percentage with low satisfaction (less than 5 out of 10) for the satisfaction question. The mean scores for many of the countries are relatively similar, with nine countries having means in the range between 9.2 and 9.6 out of 10. However, the means for Ethiopia (7.2) and Algeria (8.1) are substantially lower. This is reflected in relatively high percentages (10% and 19% respectively) of children having low satisfaction with this aspect of life in these countries. It is also notable from the chart that Turkey has a higher proportion of children with low satisfaction than might be expected from the mean, while the opposite is the case in Germany and South Korea.

Figure 30: Level of satisfaction with 'the things you have' by country

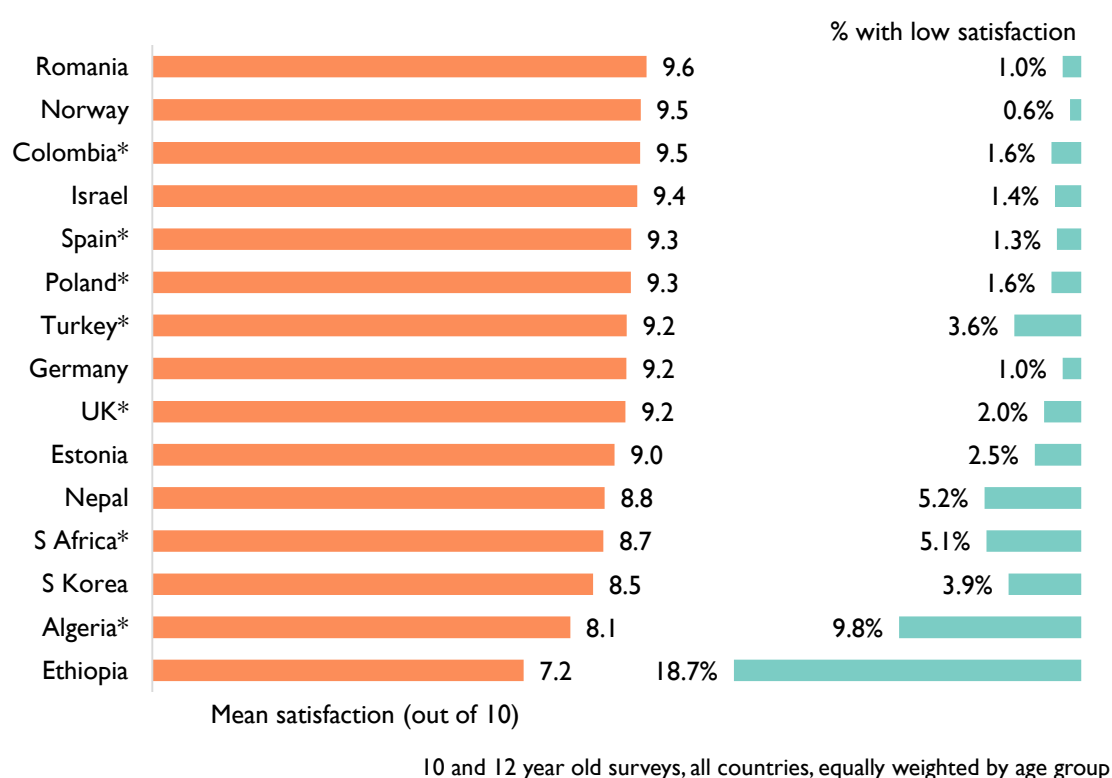
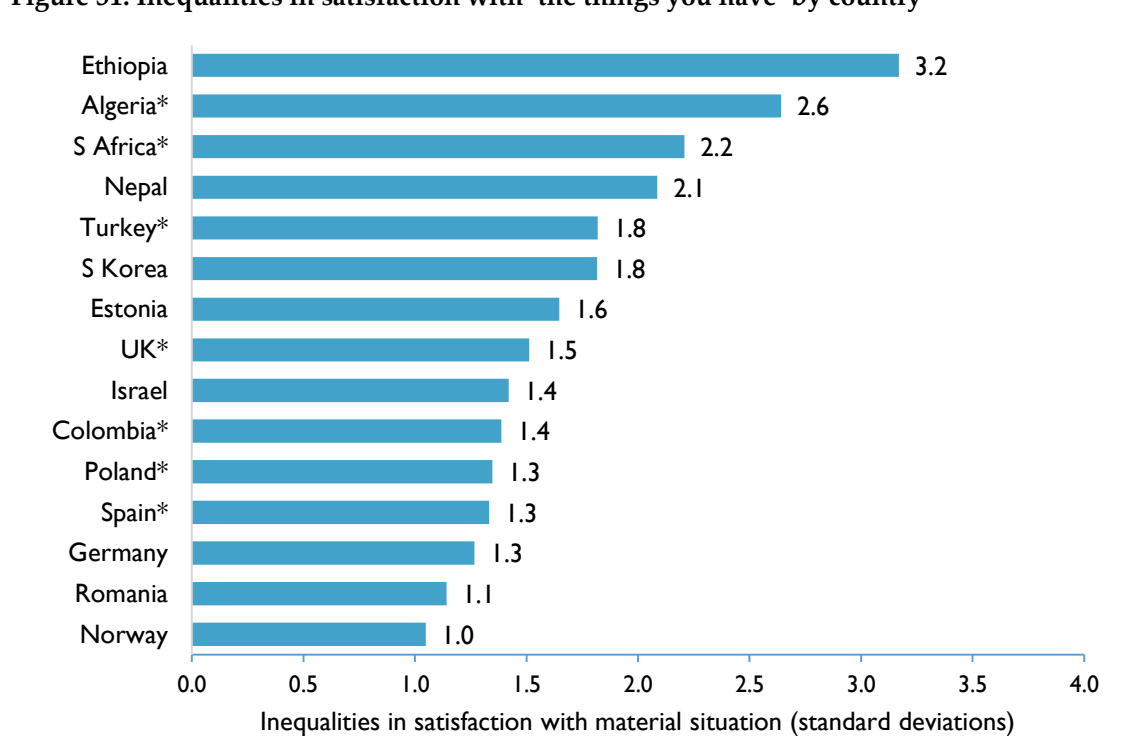


Figure 31 shows levels of inequality in satisfaction with 'the things you have' for each country. Here the top two and bottom two countries are the same as for the mean scores in the above chart. There are some differences in the middle of the range with Germany faring better on equality than on mean satisfaction and Turkey faring worse, as might be expected from the above points about the percentage of children with low satisfaction.

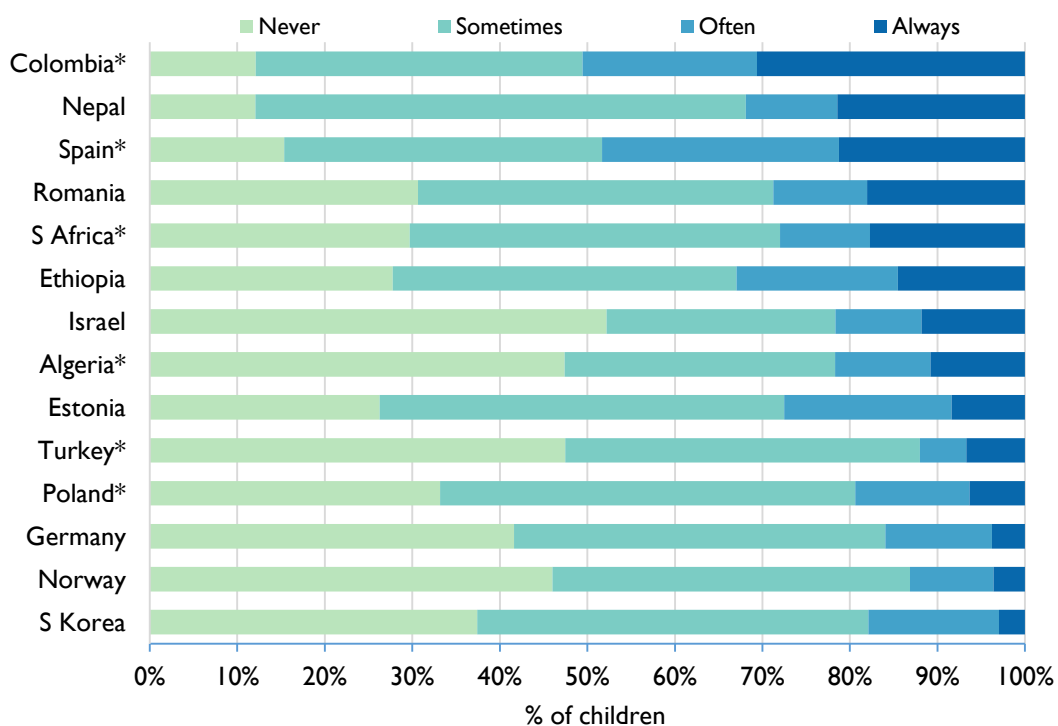
Figure 32 shows the distribution of responses to the question about worrying about family money in each country. The pattern here is quite different to that for mean satisfaction with Ethiopia and Algeria in the mid-range. Children in Colombia, Nepal and Spain most frequently worry about family money, while children in South Korea, Norway and Germany have the least worries. Children in Israel are the most likely to say that they 'never' worry about family money followed by Turkey and Algeria (even though Algeria has the second lowest mean satisfaction scores for 'the things you have').

Figure 31: Inequalities in satisfaction with 'the things you have' by country



10 and 12 year old surveys, all countries, equally weighted by age group

Figure 32: Level of worry about 'how much money your family has' by country



10 and 12 year old surveys, all countries except UK, equally weighted by age group

Table 13 shows the rankings of countries based on mean scores and on inequalities in satisfaction with 'the things you have', and the relative scores for this aspect of life (see Chapter 1 for explanation). It also shows rankings (based on an ordinal test of ranks) for the question about family money worries. The table clearly shows the different patterns from the two different questions. Colombia and Spain are in the top half of the rankings for mean satisfaction scores and for equality of satisfaction, but have the highest levels of money worries. Children in Algeria have relatively low levels of worrying about family money, even though levels of satisfaction with material possessions are low (see context box for further discussion).

The ranking of each country in terms of GDP per capita is provided as a point of comparison.

Table 13: Satisfaction with 'the things you have' – rankings and relative scores by country

	Satisfaction with 'the things you have'			Family money worries	Rank of GDP per capita
	Ranking (of mean)	Ranking (of equality)	Relative score	Ranking (mean rank ²⁹)	
Algeria*	14	14	.90	5	11
Colombia*	3	6	1.01	14	13
Estonia	10	9	1.02	10	7
Ethiopia	15	15	0.84	11	15
Germany	8	3	1.04	4	2
Israel	4	7	1.03	3	6
Nepal	11	12	1.02	12	14
Norway	2	1	1.01	2	1
Poland*	6	5	1.03	7	8
Romania	1	2	1.00	9	10
S Africa*	12	13	1.01	8	12
S Korea	13	10	1.02	6	5
Spain*	5	4	1.03	13	4
Turkey*	7	11	0.98	1	9
UK*	9	8	1.05	n/a	3

10 and 12 year old surveys, all countries, equally weighted by age group

²⁹ This ranking uses mean rank scores generated by a Kruskal-Wallis test.

Context 2**Country: Algeria**

Child poverty, whether defined in relative or absolute terms, is of key importance to children's lives and outcomes. However, investigations which are based on children's own perceptions and experiences of their material living standards are relatively rare. The Children's Worlds survey sought to investigate children's material well-being in such a manner. One surprising finding was that despite Algeria's very low GDP, children reported comparatively low levels of worry about how much money their family had. While the lack of recent data on inequality in Algeria (such as a recent Gini coefficient) makes it difficult to test this, one possible explanation is that until relatively recently (in the 1990s) Algeria was under a socialist-egalitarian political regime. Many effects of this – such as free education and educational resources, financial aid for poor parents at the start of the school year, free school meals for many children in primary education – remain, which may result in poor children judging their own situation to be similar to that of their peers, and therefore not feeling that their family is worse off. Parental protection of children, and the protection which is afforded many children by extended family networks, may also play a role in protection children against worries about their family's financial situation.

Variations by age group

There were only a few significant differences between 10-year-olds and 12-year-olds in relation to the above two questions:

- Children in the 10-year-old survey in Poland, South Korea and Turkey were more satisfied with the things they had than children in the 12-year-old survey
- In South Korea, the younger age group also tended to worry less about family money than the older age group.

Variations by gender

There were no significant gender variation in any of the countries in relation either to the satisfaction question or worries about family money.

Summary and discussion

This chapter has considered children's responses to two questions about their material situation – their level of satisfaction with 'the things you have' and the frequency with which they worry about family money. Across the pooled sample as a whole, children's satisfaction with the things they have was high – with a mean score of 9.0 out of 10 and fewer than one in 20 children reporting low satisfaction. As might be expected there was evidence of variation between countries. Children in Ethiopia and Algeria had noticeably lower levels of satisfaction (7.2 and 8.1) respectively. Indicators of inequality in satisfaction between countries show a similar picture but some countries (e.g. Germany and South Korea) rank higher for equality than for mean satisfaction) and the opposite is the case in Turkey. In addition to the above points, the calculation of relative scores indicates that this is an aspect of life which children in four countries (the UK, Germany, Israel and Poland) feel relatively positive about, in comparison with other aspects of life.

At a country level, children's average frequencies of worrying about how much money their family do not always match their satisfaction with the things they have. For example, children in Algeria rank fifth highest (i.e. fifth least frequently worried) in terms of worries about family money, even though their mean satisfaction score with the things they have is the second lowest (14th) in the survey sample. On the other hand children in Spain are reasonably satisfied with the things they have (ranked fifth) but report relatively high levels of worries about family money (exceeded only in Colombia).

There were few significant age group differences for this aspect of life and no significant gender differences in any of the 15 countries.

Children's evaluations of this aspect of their lives – relating to money and possessions – is relatively under-explored in the current wave of the survey compared to other aspects of life such as school and family. The diverging patterns of findings for the two evaluative questions asked suggest that it may be important to include a wider range of such questions in future surveys in order to fully capture children's evaluations in relation to this domain.

Chapter 7

Friends and other relationships

Overview

Children were asked seven questions about their friendships and other relationships:

- Two agreement questions
- Two satisfaction questions
- Three time use questions

The agreement and satisfaction questions are shown in the box below. The three questions about time use are discussed in the later chapter on this topic.

Box 6: Friends and other relationships: Agreement and satisfaction questions

Agreement questions:

- My friends are usually nice to me
- I have enough friends

Answers were given on a five-point, unipolar scale, with responses ranging from 'I do not agree' to 'Totally agree'.

Satisfaction questions

How satisfied are you with...

- Your friends
- Your relationships with people in general

Responses were on a unipolar, 11-point scale from 0-10, with 0 labelled as 'Not at all satisfied' and 10 labelled as 'Totally satisfied'.

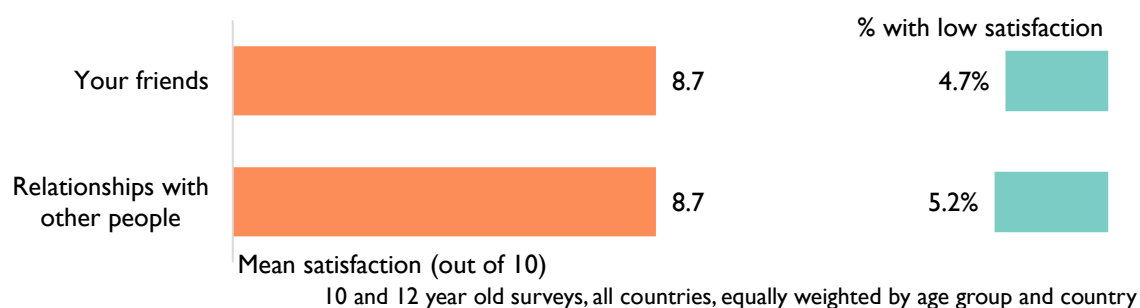
The overall responses to the agreement and satisfaction questions are shown in the table and chart below.

Table 14: Agreement questions about friendships

	Not at all	A little	Somewhat	A lot	Totally
My friends are usually nice to me	3%	6%	14%	29%	48%
I have enough friends	4%	5%	9%	19%	64%

10 and 12 year old surveys, all countries, equally weighted by age group and country

Figure 33: Satisfaction questions about home and family life



Variations by country

The four charts below provide a summary of levels of agreement and satisfaction for the four questions being considered in this chapter for each country.

- In most countries the majority of children 'totally agree' that they have enough friends.
- Norway is the highest ranked country for all four questions
- The countries ranked lowest vary somewhat between questions.
- More than 10% of children in South Africa and Nepal have low satisfaction with their relationships in general.

Figure 34: Level of agreement with 'My friends are usually nice to me' by country

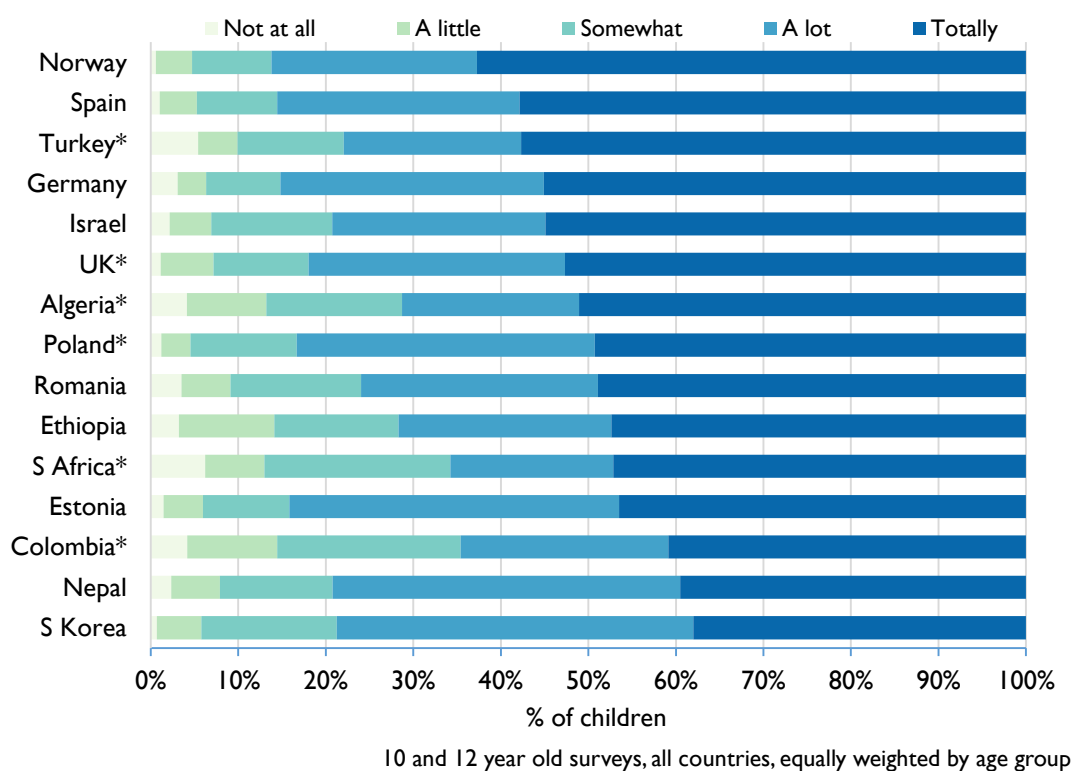


Figure 35: Level of agreement with 'I have enough friends' by country

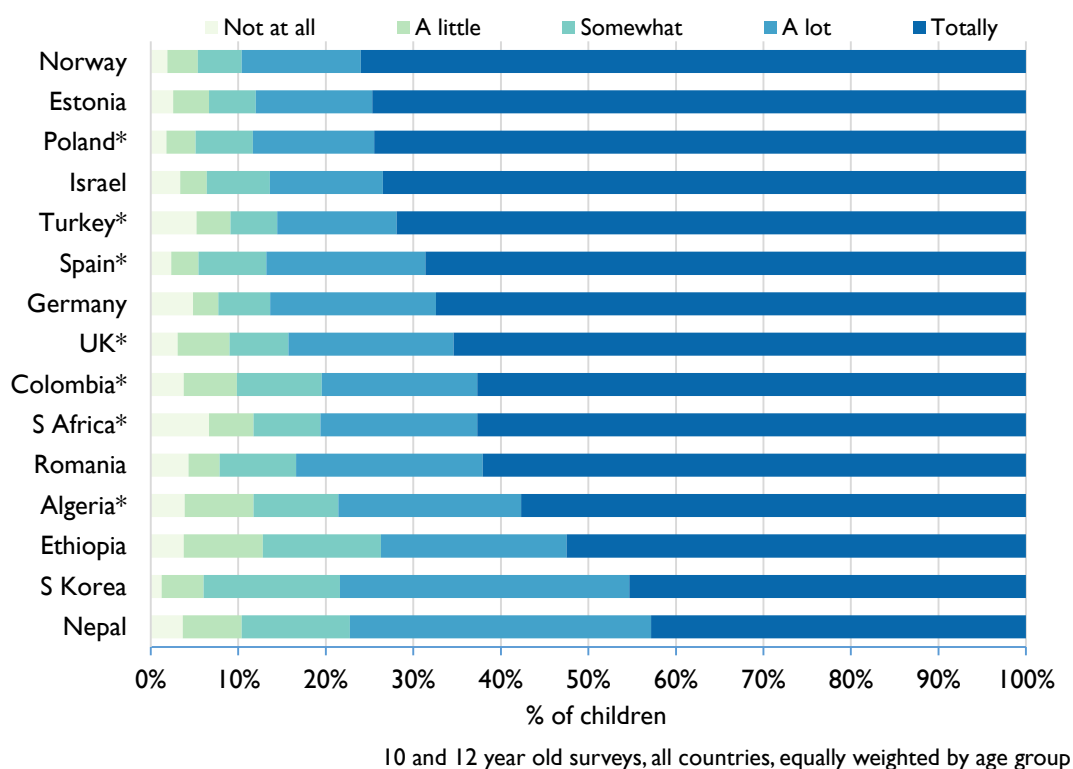


Figure 36: Level of satisfaction with 'your friends' by country

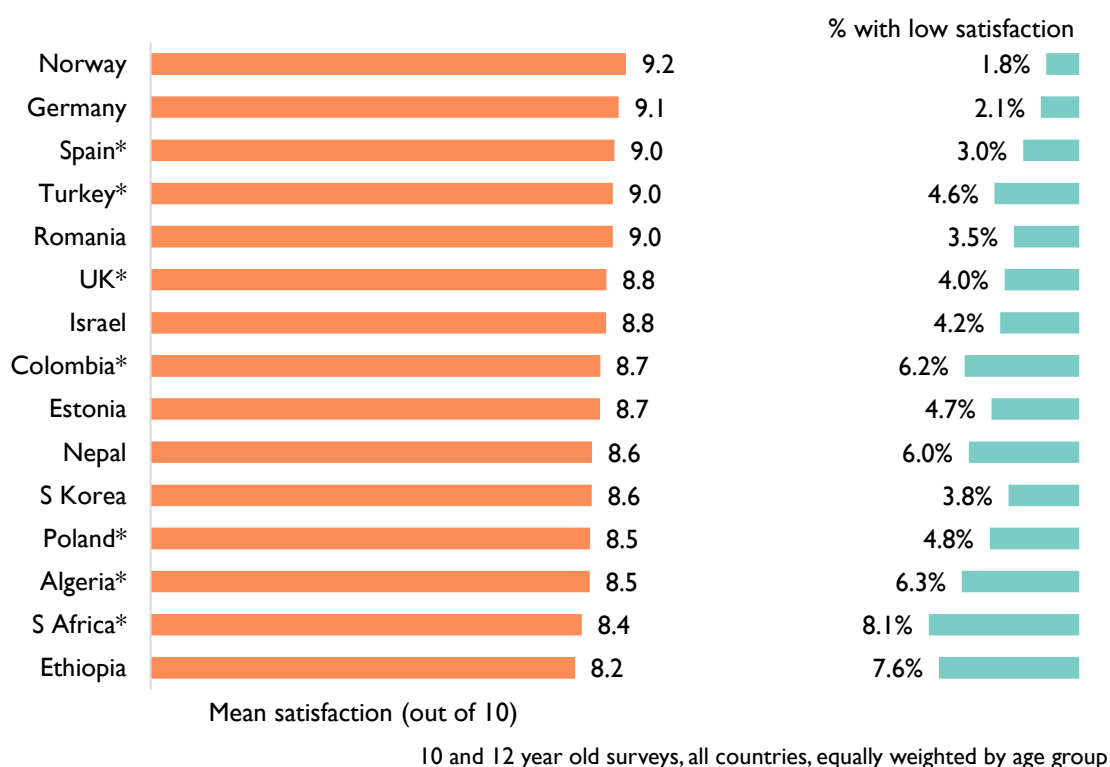
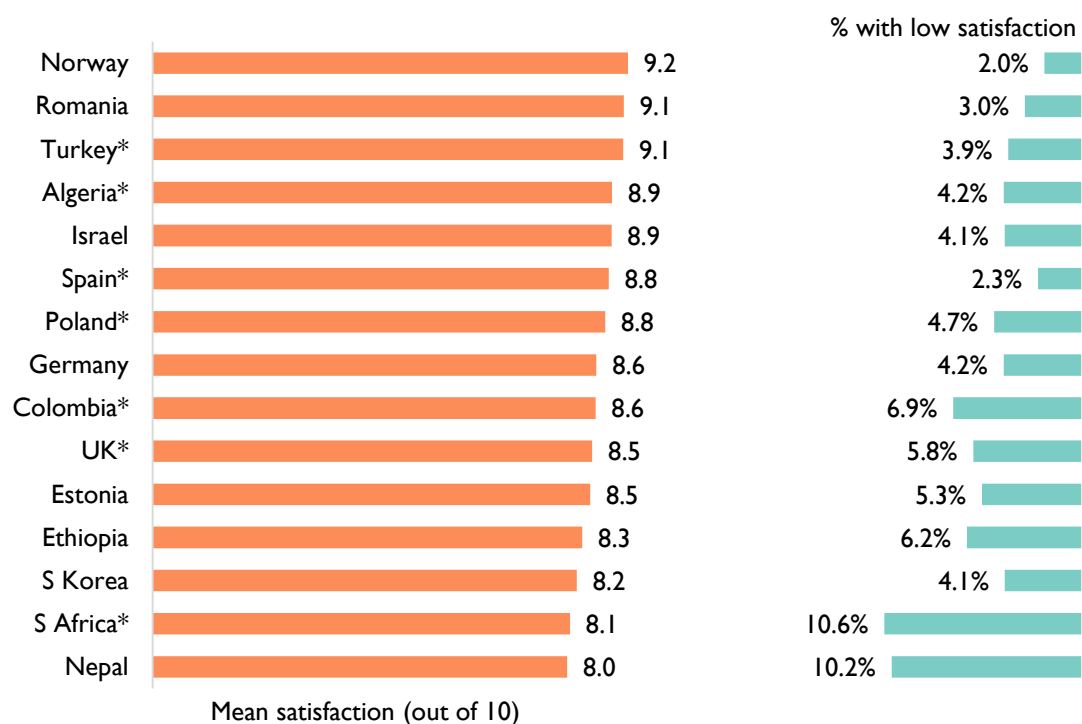


Figure 37: Level of satisfaction with 'your relationships with people in general' by country



10 and 12 year old surveys, all countries, equally weighted by age group

Table 15 summarises the rankings of scores and the relative scores for each of the four questions considered in this chapter.

In terms of the rankings of actual scores:

- Friendships are an aspect of life for which children in Norway, Spain, and Turkey score consistently highly.
- South Korea, South Africa, Ethiopia, Nepal and Algeria on the other hand rank consistently low (with the exception of satisfaction with relationships in general in Algeria).
- For most countries, the pattern of rankings for relationships in general is similar to that for the three friendships questions. However it is notable that children in Algeria are relatively satisfied with their relationships in general, even though they score relatively low for the friendships questions.

The relative scores for many countries are roughly what would be expected based on the overall response patterns across all topics in the survey for these countries. However:

- Children in Israel tend to score higher on this domain than they do across the survey in general
- Children in Algeria (for the three friendships items) and Colombia (all four items) score relatively poorly for this domain.

Table 15: Friends and other relationships – Summary of rankings by country for each question

	Rankings				Relative scores			
	Friends nice	Enough friends	Satisfied friends	Satisfied rel'ships	Friends nice	Enough friends	Satisfied friends	Satisfied rel'ships
Algeria*	10	12	13	4	0.94	0.93	0.97	1.02
Colombia*	15	10	8	9	0.88	0.95	0.96	0.95
Estonia	8	3	9	11	1.04	1.02	1.01	1.00
Ethiopia	11	13	15	12	1.01	1.04	0.98	1.00
Germany	3	7	2	8	1.03	1.00	1.05	1.01
Israel	5	4	7	5	1.06	1.03	0.99	1.00
Nepal	12	15	10	15	1.00	1.02	1.02	0.97
Norway	1	1	1	1	0.98	0.92	1.01	1.02
Poland*	7	2	12	7	1.01	0.99	0.97	1.01
Romania	9	9	5	2	0.98	1.01	0.96	0.99
S Africa*	14	11	14	14	0.97	0.98	0.99	0.97
S Korea	13	14	11	13	0.99	1.04	1.04	1.01
Spain*	2	6	3	6	1.03	0.99	1.02	1.01
Turkey*	4	5	4	3	1.02	1.00	0.98	1.01
UK*	6	8	6	10	1.01	1.02	1.03	1.01

10 and 12 year old surveys, all countries, equally weighted by age group

Context 3

Countries: Germany, Spain, Ethiopia

Friendships with peers form an important aspect of children's lives, allowing them opportunities to develop identities and engage in activities separately from family and school environments. Potential explanations for the variations between countries in children's evaluations of this aspect of their lives may relate to resources and time availability. For example in Germany parents begin encouraging children to form friendships from babyhood, with toddler groups to allow children to interact with one another. In contrast, in some countries such as Ethiopia children spend a great deal of the time they are not in education on household and work-related chores, as a necessary aspect of providing for themselves and their families. As a result, limited time is available for friendships. Similarly, in Spain, children will regularly interact not only in person but via social media, on computers and mobile phones. Children in poorer countries are less likely to have access to such resources, and their peers are also less likely to have such access, making ongoing 'maintenance' of friendships through very regular contact more difficult.

Variations by age group

There were very few significant age group differences for the four variables discussed above.

- In South Korea, children in the 12-year-old age group scored significantly lower on all four variables than children in the 10-year-old age group. For example, mean scores for satisfaction with friends were 8.73 among 10-year-olds and 8.37 among 12-year-olds
- In Poland, the older age group scored significantly lower for the two satisfaction variables. The larger difference was for satisfaction with 'your relationships with people in general'. Mean scores were 8.99 among 10-year-olds and 8.56 among 12-year-olds

Apart from these statistically significant differences there was no consistent pattern of (non-significant) variation between the two age groups. For example, for satisfaction with relationships in general, means were higher among 10-year-olds in seven countries, almost equal (within 0.01) in two countries, and higher among 12-year-olds in four countries.

Variations by gender

There were no significant gender differences for the three questions about friendships in any of the countries.

For the question about satisfaction with relationships in general, girls tended to have higher mean scores than boys in most countries (the exceptions being Norway and Poland where boys scored slightly higher than girls). However the gender difference was only statistically significant in Israel where mean satisfaction scores were 8.7 for boys and 9.1 for girls.

Summary and discussion

Previous consultative research in several countries³⁰ has indicated that children view good friendships as one of the most important ingredients of their overall well-being and happiness. Most children in the survey agreed 'totally' or 'a lot' that their friends were usually nice to them and that they had enough friends. This was also true for each individual country. Levels of satisfaction with friendships were also high, and less than 10% of children had low satisfaction with this aspect of life in all countries. Levels of satisfaction with relationships in general tended to be similar but slightly lower than for friendships. The proportion of children with low satisfaction with relationships in general only exceeded 10% in two countries (South Africa and Nepal).

There were only a few significant age group or gender differences within individual countries for the three questions about friendships. For the question about satisfaction with relationships in general, girls tended to score higher than boys in most countries although the difference was only statistically significant (using the criteria described in Chapter 1) in Israel.

The findings in this chapter paint a generally positive picture about children's feelings about their friendships and other relationships. However, as with other aspects of life, there were some children who had low levels of satisfaction and agreement with the questions asked. Given the central importance of these relationships for children's lives it may be helpful to do further analysis to try to identify the factors associated with low well-being in this aspect of life.

³⁰ See Dex & Hollingworth (2012) for a review

Chapter 8

School

Overview

Children were asked 12 questions about their school life:

- Four agreement questions
- Six satisfaction questions
- Two frequency questions about experiences of being bullied

The wordings of all questions are shown in the box below.

Box 7: School: Agreement, satisfaction and frequency questions

Agreement questions:

- My teachers listen to me and take what I say into account
- I like going to school
- My teachers treat me fairly
- I feel safe at school

Answers were given on a five-point, unipolar scale, with responses ranging from 'I do not agree' to 'Totally agree'.

Satisfaction questions

How satisfied are you with...

- Other children in your class
- Your relationship with teachers
- The things you have learned
- Your school marks
- Your school experience
- Your life as a student

Responses were on a unipolar, 11-point scale from 0-10, with 0 labelled as 'Not at all satisfied' and 10 labelled as 'Totally satisfied'.

Frequency questions:

How often, if at all, in the last month have you been...

- Hit by other children in your school
- Left out by other children in your class

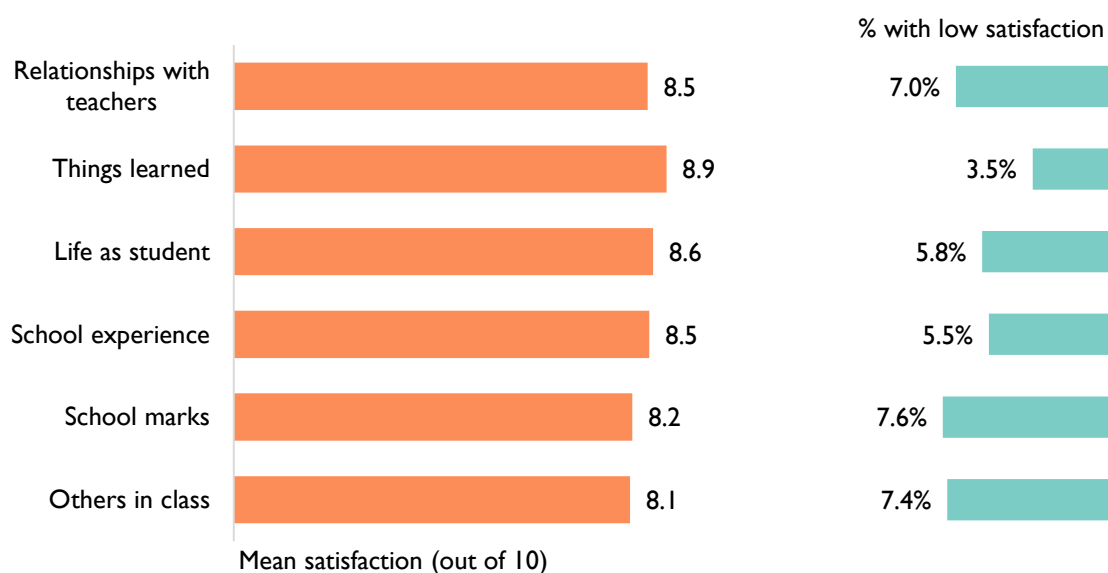
Answers were given on a four-point, frequency scale, with responses ranging from 'Never' to 'More than 3 times'.

The overall responses to the agreement and satisfaction questions are shown in the two charts below. The two questions about bullying are discussed in a separate section later in the chapter. A general observation is that the agreement and satisfaction scores in this chapter are lower than those for family and friends which were presented in the last two chapters.

Table 16: Agreement questions about school

	Not at all	A little	Somewhat	A lot	Totally
My teachers listen to me and take what I say into account	5%	7%	15%	28%	45%
My teachers treat me fairly	5%	7%	13%	24%	51%
I feel safe at school	5%	6%	11%	22%	57%
I like going to school	10%	9%	15%	23%	43%

Figure 38: Satisfaction questions about school life



10 and 12 year old surveys, all countries, equally weighted by age group and country

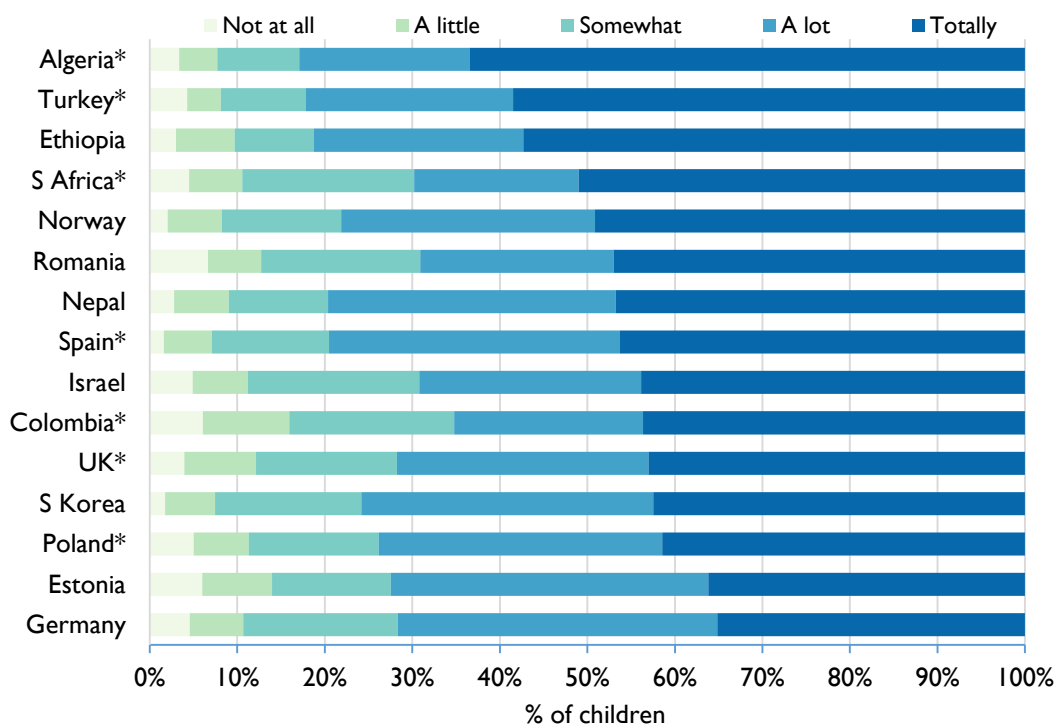
Variations by country

Charts summarising the responses to each question by country are presented on the next few pages.

The statement 'I like going to school' shows particularly large variation between countries – with 84% totally agreeing with this statement in Ethiopia compared to 21% in Germany.

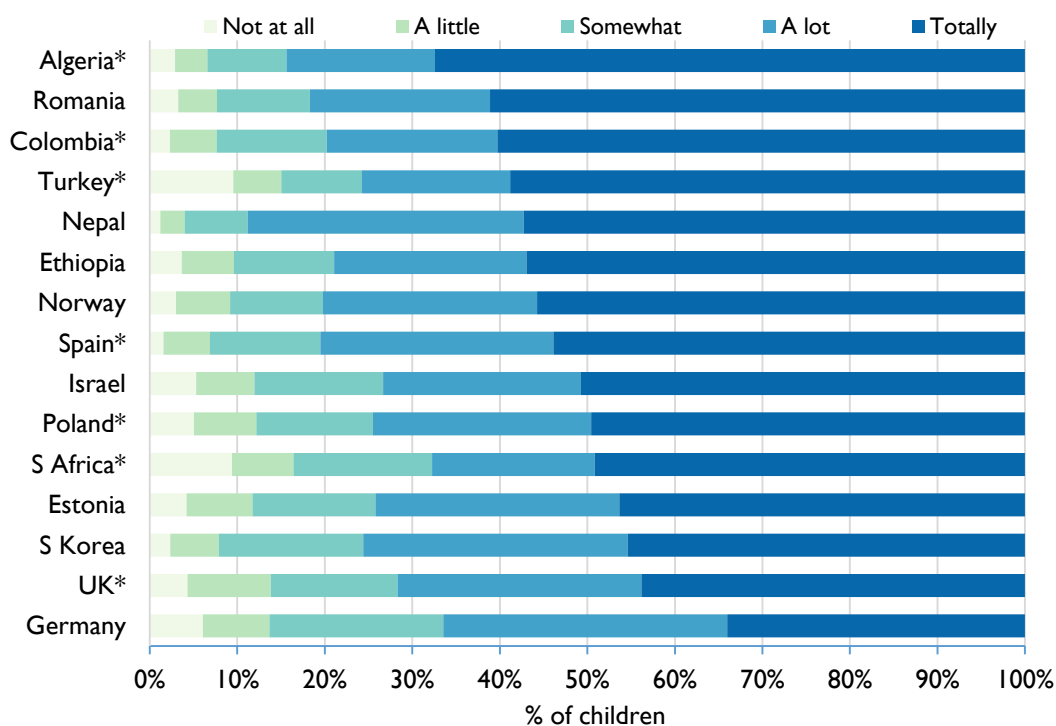
One of the overall features of the charts showing the agreement and satisfaction items is the tendency for the European countries in the survey (with the exception of Romania) to lie towards the bottom of the rankings.

Figure 39: Level of agreement with 'My teachers listen to me and take what I say into account' by country



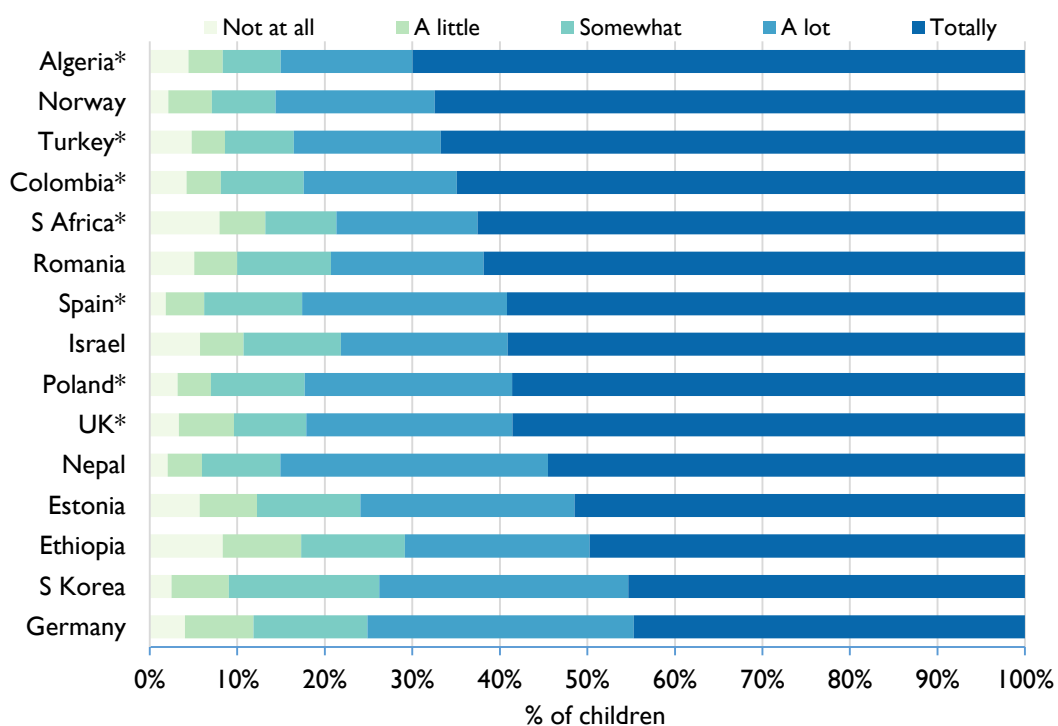
10 and 12 year old surveys, all countries, equally weighted by age group

Figure 40: Level of agreement with 'My teachers treat me fairly' by country



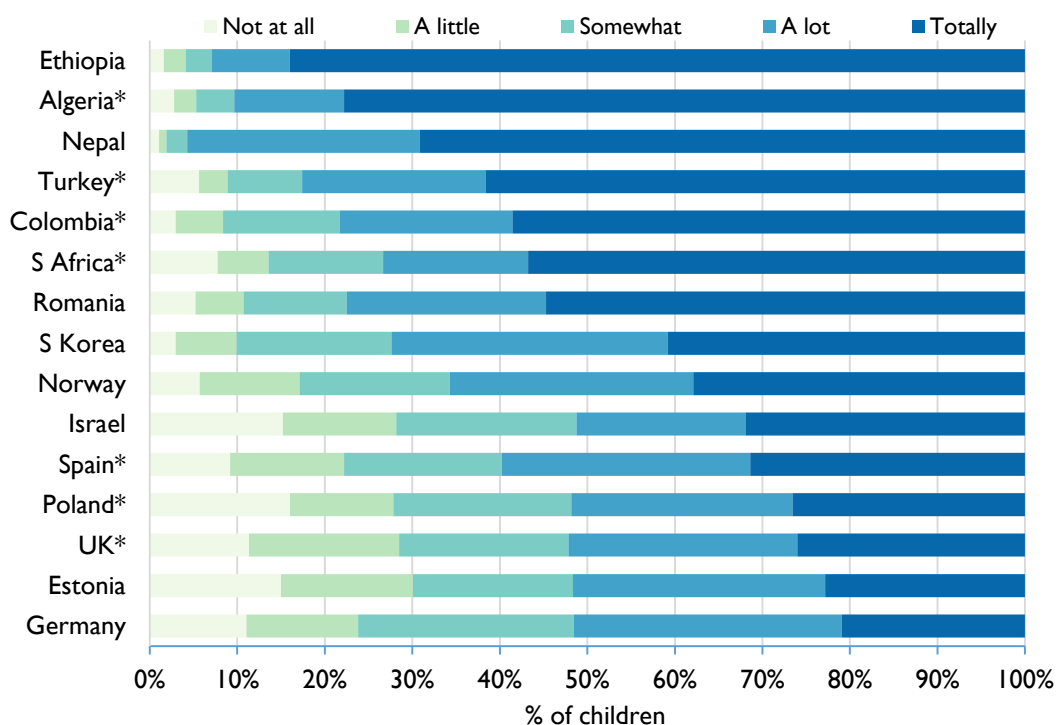
10 and 12 year old surveys, all countries, equally weighted by age group

Figure 41: Level of agreement with 'I feel safe at school' by country



10 and 12 year old surveys, all countries, equally weighted by age group

Figure 42: Level of agreement with 'I like going to school' by country



10 and 12 year old surveys, all countries, equally weighted by age group

Figure 43: Level of satisfaction with 'other children in your class' by country

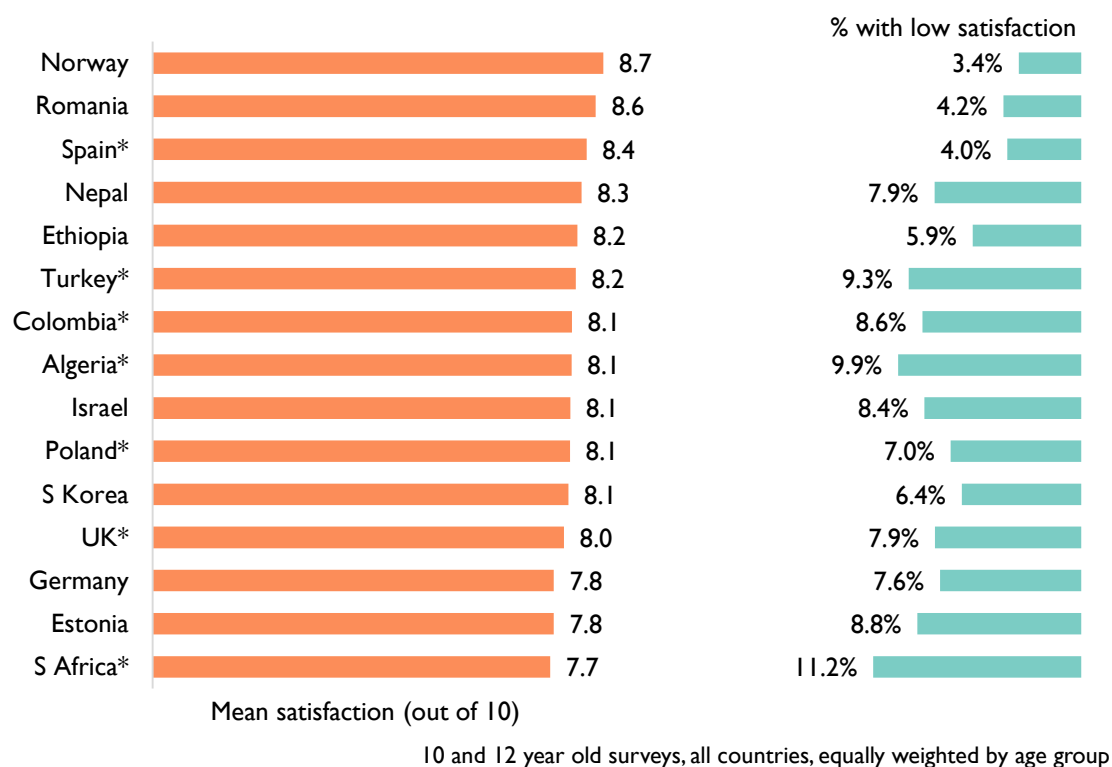


Figure 44: Level of satisfaction with 'your relationship with teachers' by country

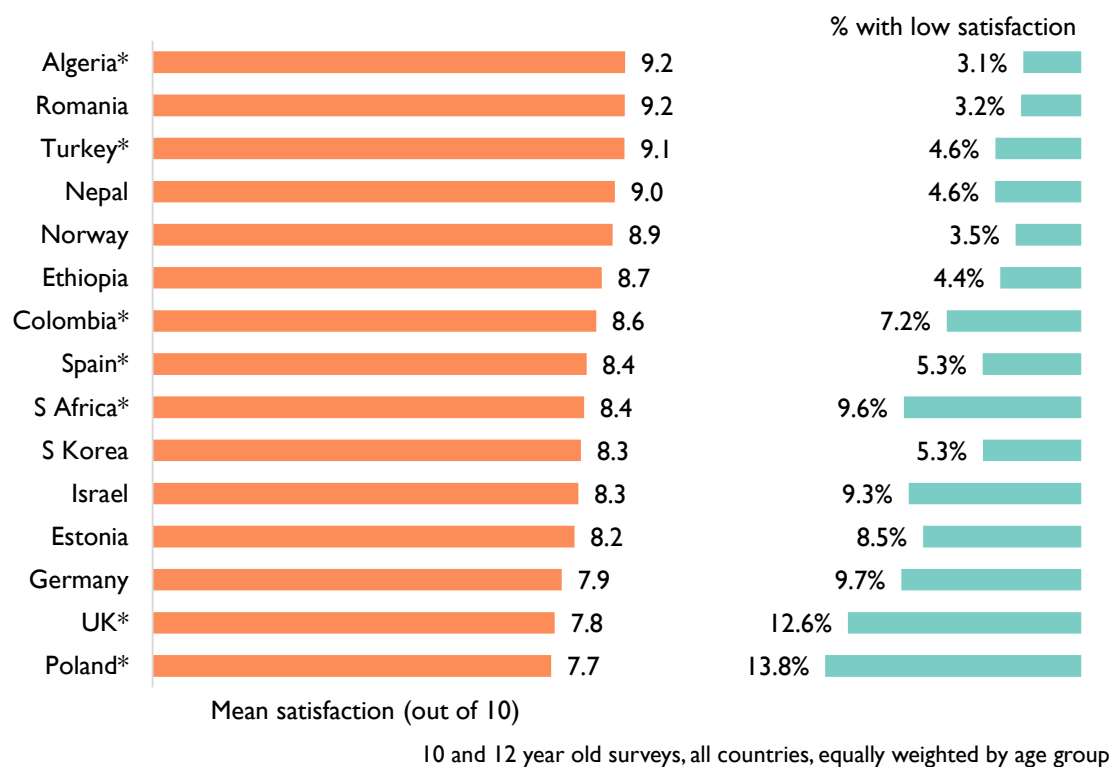


Figure 45: Level of satisfaction with 'the things you have learned' by country

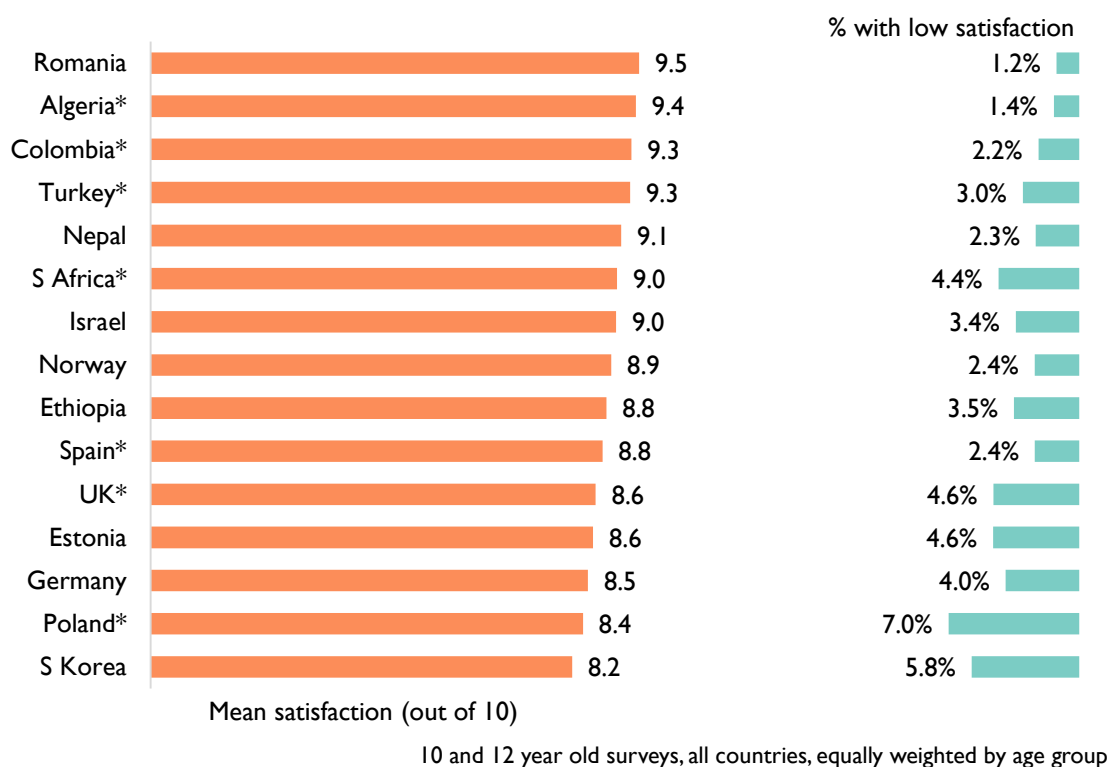


Figure 46: Level of satisfaction with 'your school marks' by country

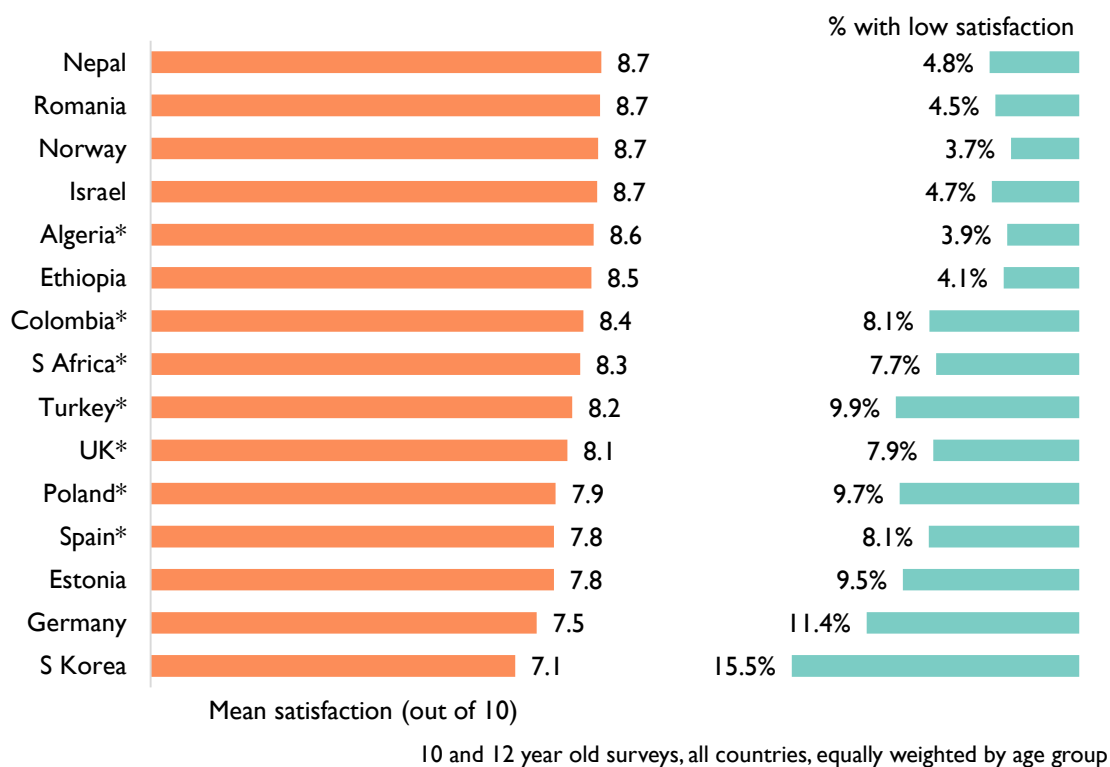


Figure 47: Level of satisfaction with 'your school experience' by country

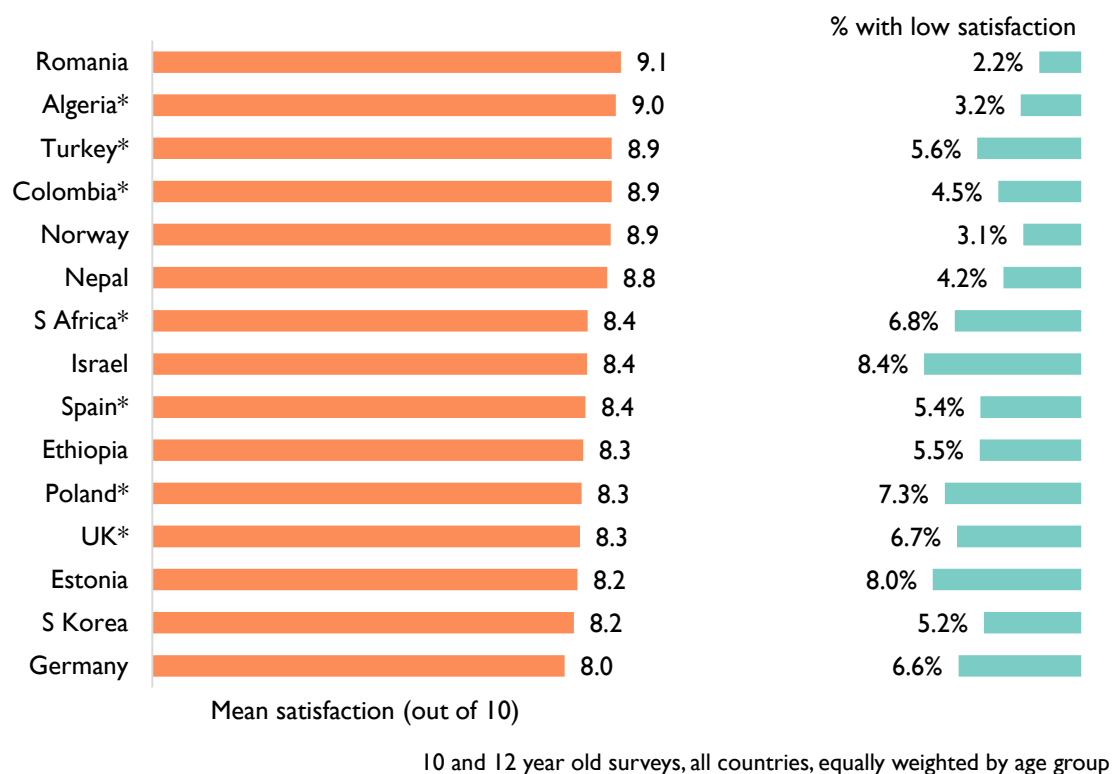
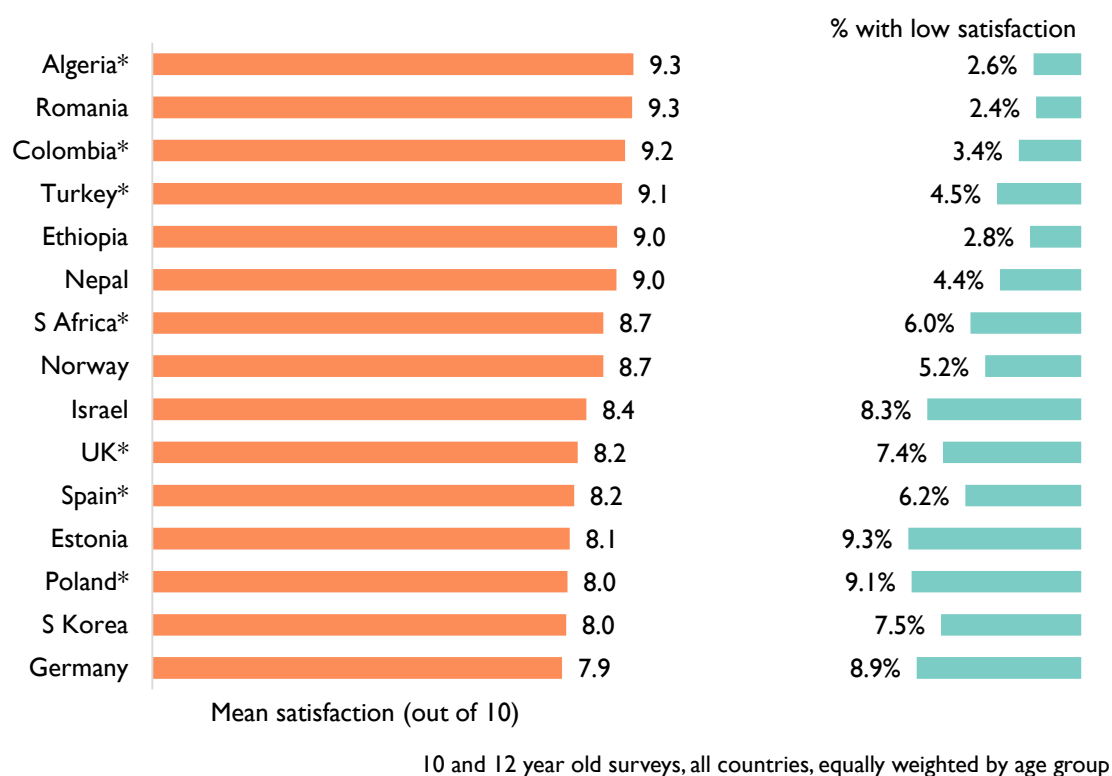


Figure 48: Level of satisfaction with 'your life as a student' by country



The table below summarises the responses to all ten questions presented above and demonstrates:

- The generally high scores for almost all questions among children in Algeria
- The low scores for children in Germany and Estonia
- Some distinctive patterns in other countries. For example, Colombia and Romania rank in the top half of the scores for all questions except whether teachers listen.

Table 17: School – Summary of rankings by country for each question

	Agreement questions				Satisfaction questions					
	Teachers listen	Teachers fair	Safe	Like	Peers	Teachers	Learned	Marks	School exp.	Life as student
Algeria*	1	1	1	2	8	1	2	5	2	1
Colombia*	13	4	4	5	7	7	3	7	4	3
Estonia	14	12	12	15	14	12	12	13	13	12
Ethiopia	3	6	14	1	5	6	9	6	10	5
Germany	15	15	15	14	13	13	13	14	15	15
Israel	12	11	10	11	9	11	7	4	8	9
Nepal	6	2	11	3	4	4	5	1	6	6
Norway	5	7	2	9	1	5	8	3	5	8
Poland*	11	9	8	13	10	15	14	11	11	13
Romania	10	3	7	6	2	2	1	2	1	2
S Africa*	7	13	9	7	15	9	6	8	7	7
S Korea	8	10	13	8	11	10	15	15	14	14
Spain*	4	5	5	10	3	8	10	12	9	11
Turkey*	2	8	3	4	6	3	4	9	3	4
UK*	9	14	6	12	12	14	11	10	12	10

10 and 12 year old surveys, all countries, equally weighted by age group

However, the following table showing the relative scores presents a clearer picture. Taken in the context of the patterns of responses across the survey as a whole:

- Children in Nepal, Algeria, South Africa and Ethiopia score particularly highly on this aspect of life, having relative scores above 1.0 for all or almost all of the questions.
- Children in South Korea also score quite highly on this domain (with the exception of satisfaction with school marks) relative to their responses for other aspects of life.
- Children in Germany, Estonia and Poland score consistently below what would be expected from their general pattern of responses to the survey indicating that this is an aspect of life where children in these countries are comparatively unhappy (see context box for further discussion).
- Four other countries – Israel, Norway, Spain and the UK – also fare comparatively poorly for most questions within this aspect of life.
- The question about liking going to school shows the largest variations between countries with relative scores ranging from 0.77 in Poland to 1.40 in Ethiopia.

Table 18: School – Relative scores by country for each question*See Chapter 1 for explanation of the calculation and interpretation of these scores*

	Teachers listen	Teachers fair	Safe	Like	Peers	Teachers	Learned	Marks	School exp.	Life as student
Algeria*	1.07	1.06	1.03	1.22	0.99	1.07	1.05	1.04	1.04	1.08
Colombia*	0.91	1.02	1.01	1.09	0.96	0.97	1.01	0.98	1.00	1.02
Estonia	0.93	0.96	0.95	0.79	0.97	0.98	0.98	0.97	0.98	0.95
Ethiopia	1.16	1.12	0.99	1.40	1.05	1.07	1.04	1.09	1.02	1.09
Germany	0.97	0.91	0.96	0.84	0.97	0.95	0.97	0.93	0.95	0.94
Israel	0.95	0.96	0.97	0.82	0.97	0.95	0.99	1.03	0.96	0.95
Nepal	1.04	1.10	1.04	1.27	1.06	1.09	1.07	1.11	1.07	1.08
Norway	0.96	0.96	0.99	0.91	1.03	1.00	0.96	1.01	1.00	0.97
Poland*	0.93	0.93	0.97	0.77	0.99	0.91	0.94	0.96	0.97	0.93
Romania	0.96	1.05	1.00	1.08	0.99	1.01	1.00	0.99	0.99	1.01
S Africa*	1.08	1.00	1.06	1.15	0.98	1.02	1.05	1.05	1.02	1.05
S Korea	1.07	1.04	1.00	1.10	1.05	1.04	0.98	0.92	1.02	0.99
Spain*	1.00	1.00	0.99	0.87	1.02	0.98	0.98	0.95	0.97	0.94
Turkey*	1.07	0.99	1.04	1.14	0.96	1.03	1.00	0.96	1.00	1.01
UK*	0.99	0.96	1.03	0.84	1.00	0.94	0.99	1.01	0.99	0.98

10 and 12 year old surveys, all countries, equally weighted by age group

Context 4**Country: Estonia**

Stark differences were found in children's satisfaction with various aspects of their school lives. A notable pattern is that children growing up in poorer countries, and especially in African countries, report much higher levels of satisfaction with almost all aspects of school than children in richer, European countries. This may reflect a view among children in richer countries, where education is a well-established right, that school is a chore; while among poorer countries where access to education is more recent and less taken-for-granted, children perceive the opportunity to access it much more positively. However, western children are potentially suffering in their school well-being in part as a result of the environments within schools. In Estonia, for example, children do comparatively very well on objective measures of education, but are dissatisfied with much of their school experience. This may relate to highly competitive systems which link academic success with future prospects, and put a great deal of pressure on parents and on children to excel, from a very early age. Children in Estonia begin school at 7, but even before this there is competitive entry into childcare provision which often includes in-depth education in foreign languages and sciences. Small, rural schools, where children tend to have higher levels of subjective well-being, are under threat as they do not perform as well academically as larger, urban schools. Bullying is also a problem in schools which is acknowledged by the Estonian Government and the Child Ombudsman's Office, and research indicates that the school environment is the source of bullying, and that bullying is often directly or indirectly instigated by adults rather than by children themselves.

Variations by age group

In the survey as a whole there were significant variations in children's responses to the ten questions about school between the 10-years-old and 12-years-old surveys. For all questions, children in the 12-years-old survey tended to agree less or be less satisfied than children in the 10-years-old survey.

Within this overall picture, there were some different patterns for different countries, however:

- Children in the 12-year-old survey in South Korea scored lower than children in the 10-year-old survey for all ten questions
- In a number of other countries, mainly in Europe – Estonia, Germany, Poland, Romania, South Korea, Spain, Turkey and the UK – children in the 12-years-old survey agreed less or were less satisfied in response to a majority of the questions.
- In other countries, almost all outside Europe, there were few significant age variations with the main exception of Algeria where there were significant differences for four of the ten questions.

It would be interesting to explore whether the significant variations noted here are linked to countries where children typically change schools between the ages of 10 and 12 as this a factor that may potentially explain some of the age-related variations.

The age group differences in some countries are quite large and an example of this is provided in Figure 49 which shows age group variations in satisfaction with 'your school experience'.

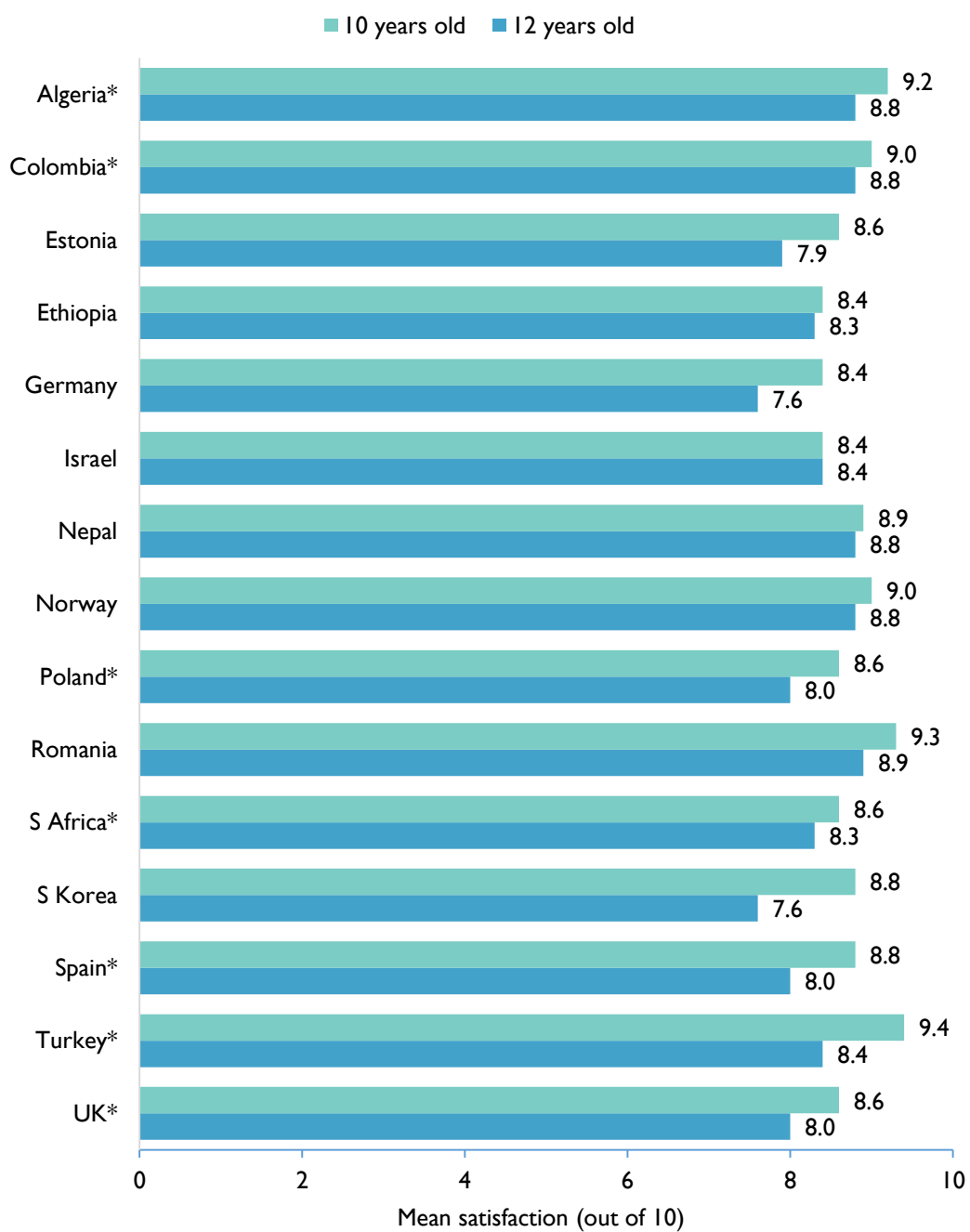
- The mean score for 12-year-olds is 1.2 lower than for 10-year-olds in South Korea and 1.0 lower in Turkey.
- On the other hand there was little or no evidence of changes in satisfaction across the two age groups in Israel, Ethiopia, Nepal, Colombia or Norway.

Variations by gender

Girls tended to be a little more satisfied than boys with all aspects of school. However, the differences were generally quite small and so there were relatively few significant gender variations within countries. The main significant differences related to two variables:

- Girls tended to more strongly agree than boys with the statement 'I like going to school' in Algeria, Estonia, Spain, Turkey, Romania and Poland.
- Girls were significantly more satisfied than boys with their relationships with teachers in Algeria, Estonia, Spain, and Romania.

Figure 49: Mean satisfaction with school experience by age group and country



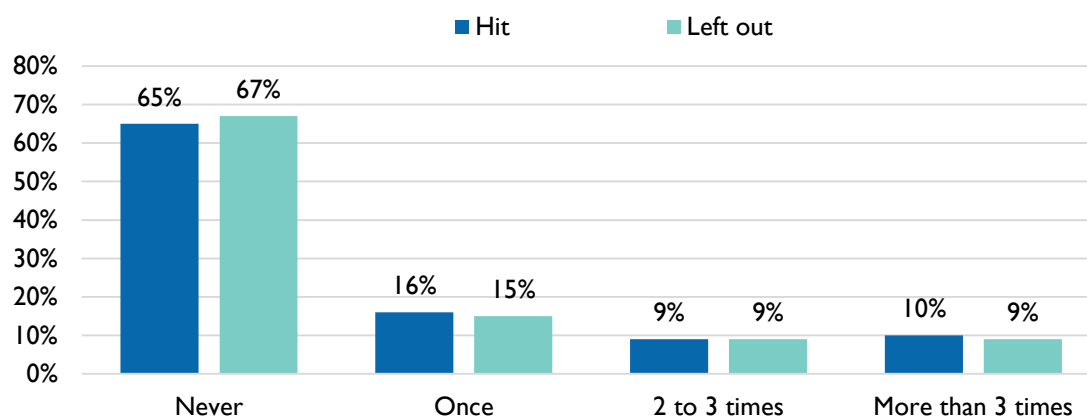
10 and 12 year old surveys, all countries, equally weighted by age group

Experiences of being bullied

The chart below shows the overall distribution of responses to the two questions about being bullied (being hit and being left out by other children) in the pooled sample of all 15 countries (with each country and age group having an equal weighting).

The percentages are very similar for the two questions with around one third of children saying that they had experienced each of the two behaviours in the last month, and around 9% to 10% saying that this had happened more than three times in that period.

Figure 50: Frequency questions about being bullied at school in the last month

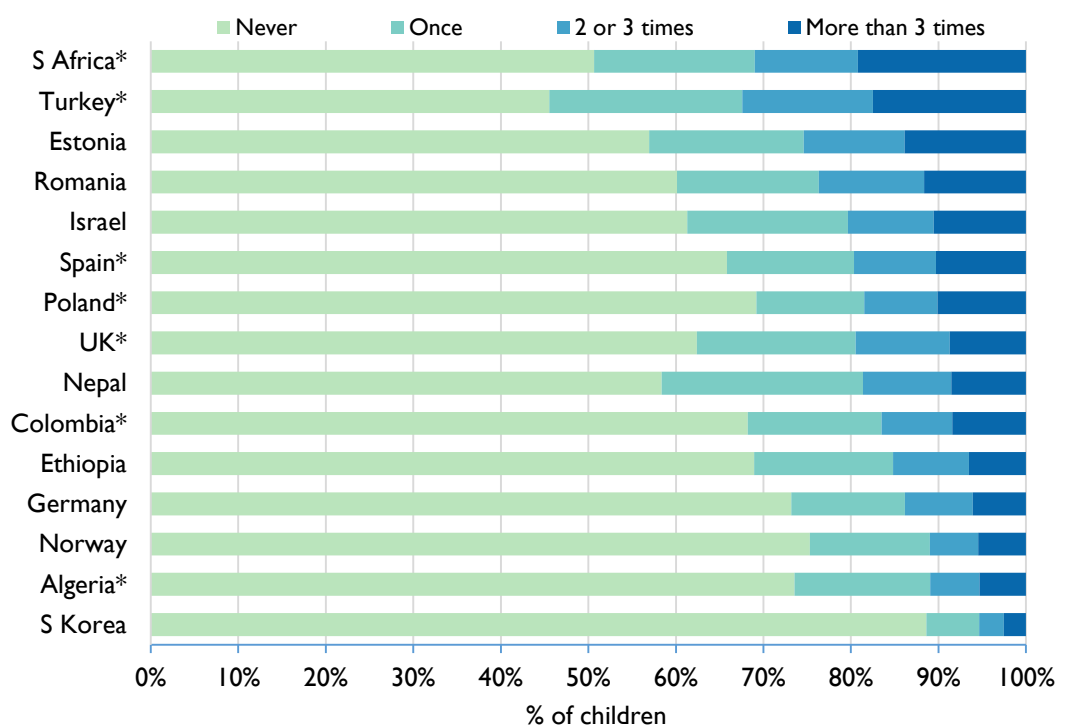
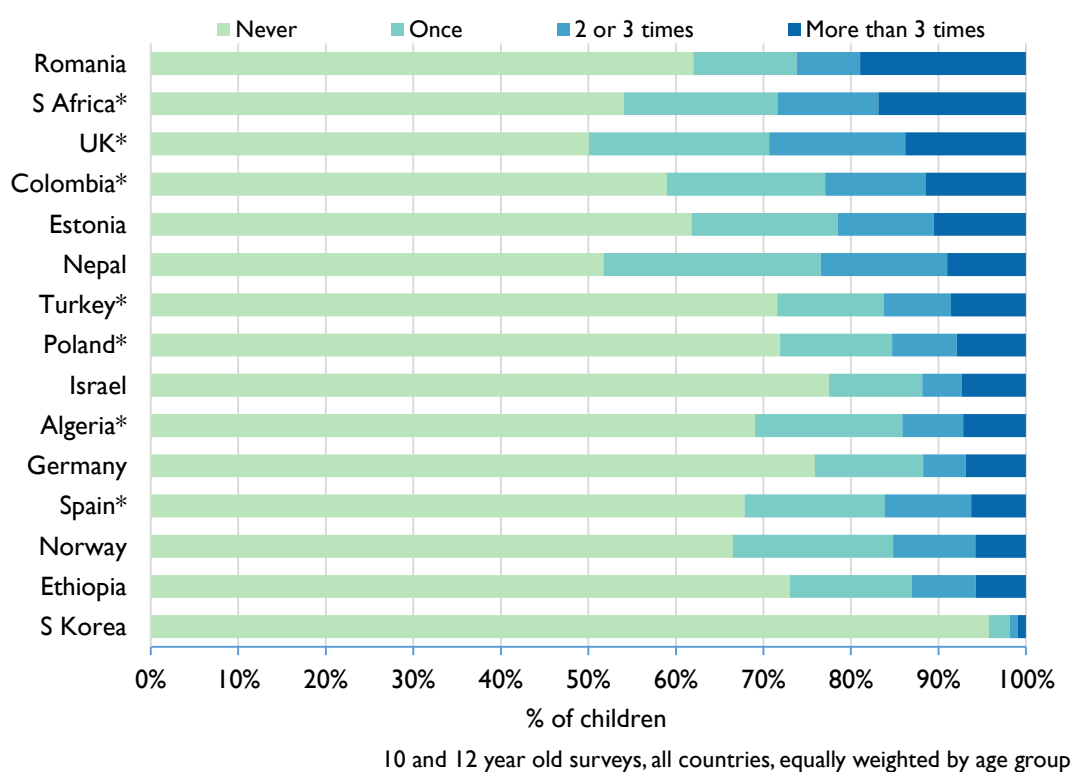


10 and 12 year old surveys, all countries, equally weighted by age group and country

However, these similar patterns conceal substantial variation between countries and also some different patterns in the frequencies of experiencing the two forms of behaviour within countries:

- In relation to being hit in school, the percentage of children who had experienced this at least once in the past month ranged from 11% in South Korea to over half (54%) in Turkey.
- The percentage of children who had been left out by other children in their class ranged from 4% in South Korea to 50% in England.

In terms of differential patterns within countries, for example, being left out by other children was more common than being hit by other children in the UK while the opposite was true in Turkey.

Figure 51: Frequency of being hit by other children in school in the last month by country**Figure 52: Frequency of being left out by other children in school class in the last month by country**

There were some substantial differences in the likelihood of children experiencing these two types of behaviours in school, between age groups and genders as shown in the table below.

- Children in the 10-years-old survey were more likely than children in the 12-years-old survey to have been hit by other children at school in the last month in all countries. The largest age group difference was in South Korea (1.97 times more likely) and the smallest was in Turkey (1.06 times more likely)
- There was a similar pattern for being left out by classmates. Again the largest age-related difference was in South Korea (10-year-olds were 1.77 times more likely to have experienced this than 12-year-olds). The smallest age difference here was in Colombia and Ethiopia.
- Boys were more likely than girls to be hit by other children in school in all countries. In South Korea they were much more than twice (2.39) as likely to experience this behaviour, whereas the gender difference was smallest in Nepal (1.16)
- Gender differences in terms of being excluded by other children tended to be less pronounced and were in different directions in different countries. In eight countries boys were more likely to experience this than girls, with the largest imbalance being in Colombia (1.35). In seven countries girls were more likely to experience this than boys (1.6 times more likely in Norway and 1.4 times more likely in the UK).

Table 19: Ratios of likelihood of being bullied by age group and gender in each country

(Explanatory note: the ratios in the table are calculated as the larger of the two group percentages experiencing the behaviour divided by the corresponding smaller percentage. Larger ratios reflect a greater imbalance between the two groups)

	10	10 year olds > 12 year olds	G	Girls > Boys
	12	12 year olds > 10 year olds	B	Boys > Girls
	Age group ratios		Gender ratios	
	Hit	Excluded	Hit	Excluded
Algeria*	1.34	1.43	1.45	1.02
Colombia*	1.19	1.03	1.97	1.35
Estonia	1.30	1.31	1.34	1.01
Ethiopia	1.30	1.03	1.29	1.09
Germany	1.77	1.08	2.00	1.04
Israel	1.68	1.62	1.31	1.29
Nepal	1.42	1.23	1.16	1.09
Norway	1.52	1.17	1.30	1.60
Poland*	1.35	1.11	1.60	1.02
Romania	1.07	1.10	1.37	1.12
S Africa*	1.21	1.10	1.18	1.18
S Korea	1.97	1.77	2.39	1.30
Spain*	1.88	1.53	1.40	1.21
Turkey*	1.06	1.05	1.19	1.20
UK*	1.59	1.16	1.52	1.40

10 and 12 year old surveys, all countries

Summary and discussion

As this was a survey of children attending school in the 15 countries, school was a common and probably important part of all the surveyed children's lives. Generally, children were less positive about school than they were about their relationships with family and friends discussed in the previous chapters. However this was not true for all countries. For example, a comparison of mean scores between this chapter and Chapters 5 and 7 shows the children in Nepal and Ethiopia had higher satisfaction with 'the things that you have learned', their school experience and their relationship with teachers than with aspects of their family and home life. There were some similar patterns for other countries. Satisfaction with the 'things that you have learned' had the highest mean score in South Africa across all aspects of life covered in the survey; and aspects of school were also highly rated in Algeria.

These patterns are indicative of a division in the sample between the three African countries and Nepal, where there were predominantly relatively high scores for aspects of school life and some of the European countries (particularly Estonia, Germany, Poland) where there were relatively low scores.

In many countries there was a significant drop in children's evaluations of their school lives between the 10-years-old and 12-years-old age groups. But there were exceptions – there was no evidence of significant age differences in Colombia, Ethiopia, Israel, Nepal and Norway, and only one in South Africa. So it is clearly not the case that decreasing satisfaction with school with age is universal or inevitable. Further research to explore these differences and how they might relate to the school system would be useful.

Girls tended to be a little more positive in their evaluations about school than boys, but the differences were not that large and were only statistically significant for some countries and aspects of school life.

The chapter also presented evidence on children's experiences of being hit by other children and of being excluded by classmates. These aspects of bullying have previously been identified as being strongly associated with children's well-being in some research studies³¹. There were wide variations in children's experience of these two behaviours between two countries. Children in Turkey were the most likely to say that they had been hit by other children in school at least once in the last month. Children in the UK were the most likely to say that they had been left out by other children in their class at least once in the last month. Children in South Korea were the least likely to experience either of these behaviours. The survey data offers new opportunities to explore the association between these behaviours and children's overall subjective well-being across a very diverse range of countries.

³¹ e.g. Klocke et al (2014).

Chapter 9

Local area

Overview

Children were asked eight questions about their local area:

- Three agreement questions
- Five satisfaction questions

The wording and format of the questions are shown in the box below.

Box 8: Local area: Agreement and satisfaction questions

Agreement questions:

- The town council asks children and young people their opinion about things that are important to them
- In my area there are enough places to play or to have a good time
- I feel safe when I walk around in the area I live in

Answers were given on a five-point, unipolar scale, with responses ranging from 'I do not agree' to 'Totally agree'.

The first agreement item about the town council was omitted by several countries and there were relatively high levels of missing data for this question in a number of other countries, which means that the data may not be reliable. Therefore this question is not considered further in this report

Satisfaction questions

How satisfied are you with ..

- The people who live in your area
- The local police in your area
- How you are dealt with when you go to the doctors
- The outdoor areas children can use in your area
- The area where you live, in general

Responses were on a unipolar, 11-point scale from 0-10, with 0 labelled as 'Not at all satisfied' and 10 labelled as 'Totally satisfied'.

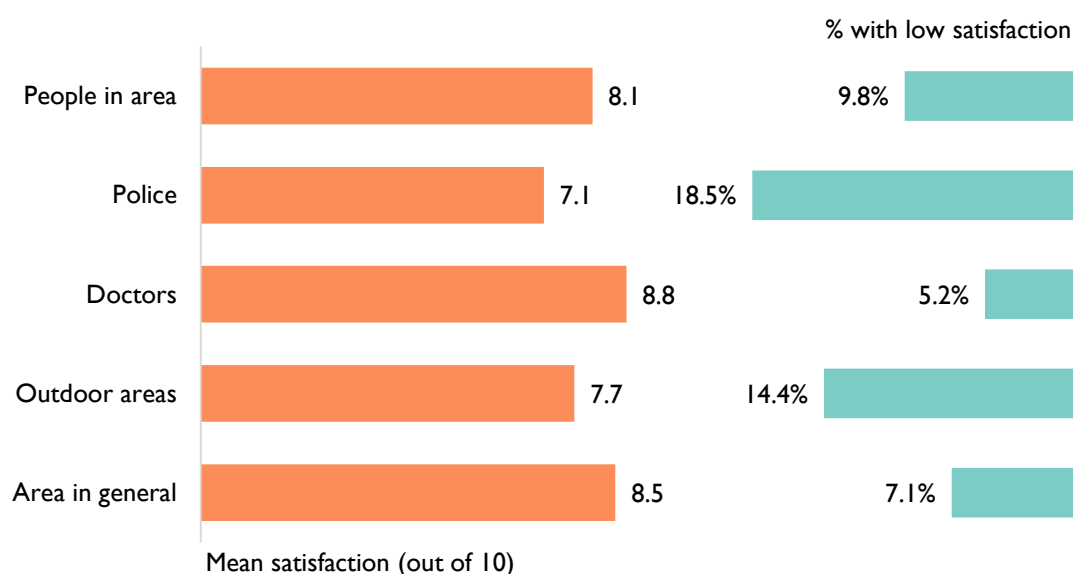
The question about the police was only asked on the 12-years old questionnaire and not asked in Poland or Norway. The question about the doctors was also not asked in Poland.

The table and chart below provide summary statistics for these questions for the whole sample (weighted equally by age group and country). Some of the scores in this domain are among the lowest for any aspect of life covered in the survey.

Table 20: Agreement questions about local area

	Not at all	A little	Somewhat	A lot	Totally
In my area there are enough places to play or to have a good time	10%	10%	13%	20%	46%
I feel safe when I walk around in the area I live in	8%	9%	15%	22%	47%

10 and 12 year old surveys, all countries, equally weighted by age group and country

Figure 53: Satisfaction questions about local area

10 and 12 year old surveys, all countries, equally weighted by age group and country

Variations by country

The charts on the following pages provide a summary of responses to each question for each country. One notable overall pattern, in comparison with aspects of life covered in other chapters, is the relatively low scores (and high levels of low satisfaction) in many countries for aspects of the local area. For example, in all countries more than 10% of children had low satisfaction with local police (although it should be borne in mind that this question was only asked of 12-year-olds whose levels of satisfaction were often lower than for 10-year-olds), and in 12 out of the 15 countries more than 10% also had low satisfaction with the outdoor places they could use in their local area.

Figure 54: Level of agreement with 'In my area there are enough places to play or to have a good time' by country

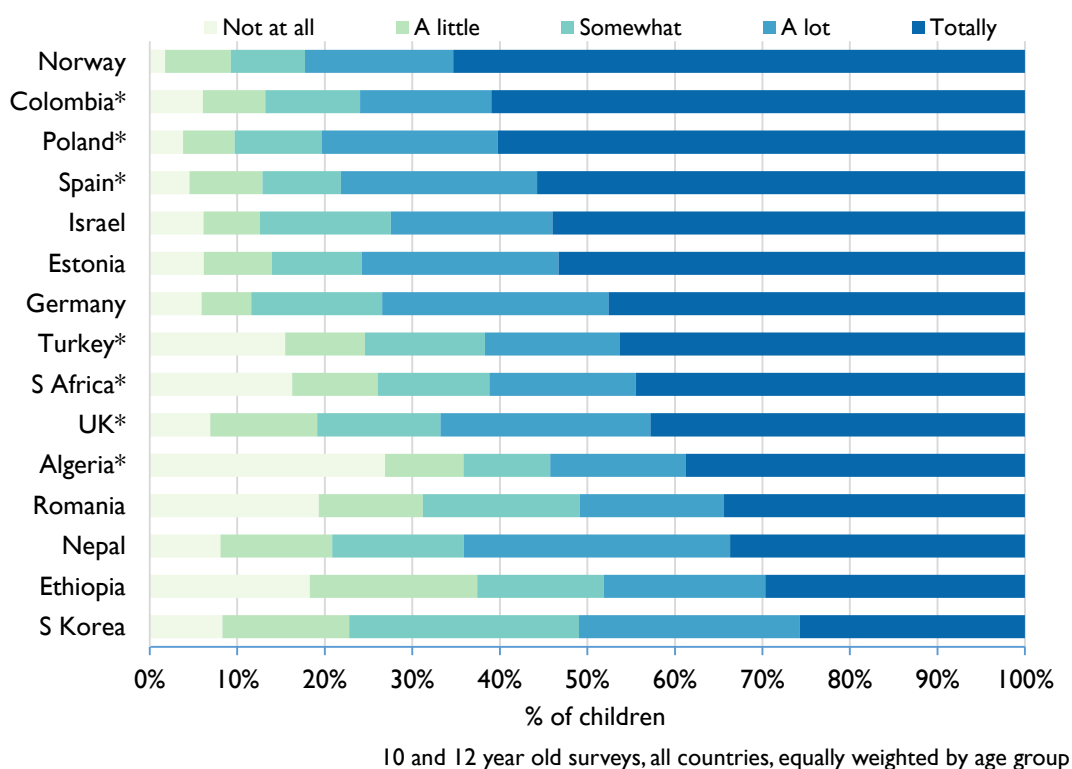


Figure 55: Level of agreement with 'I feel safe when I walk around in the area I live in' by country

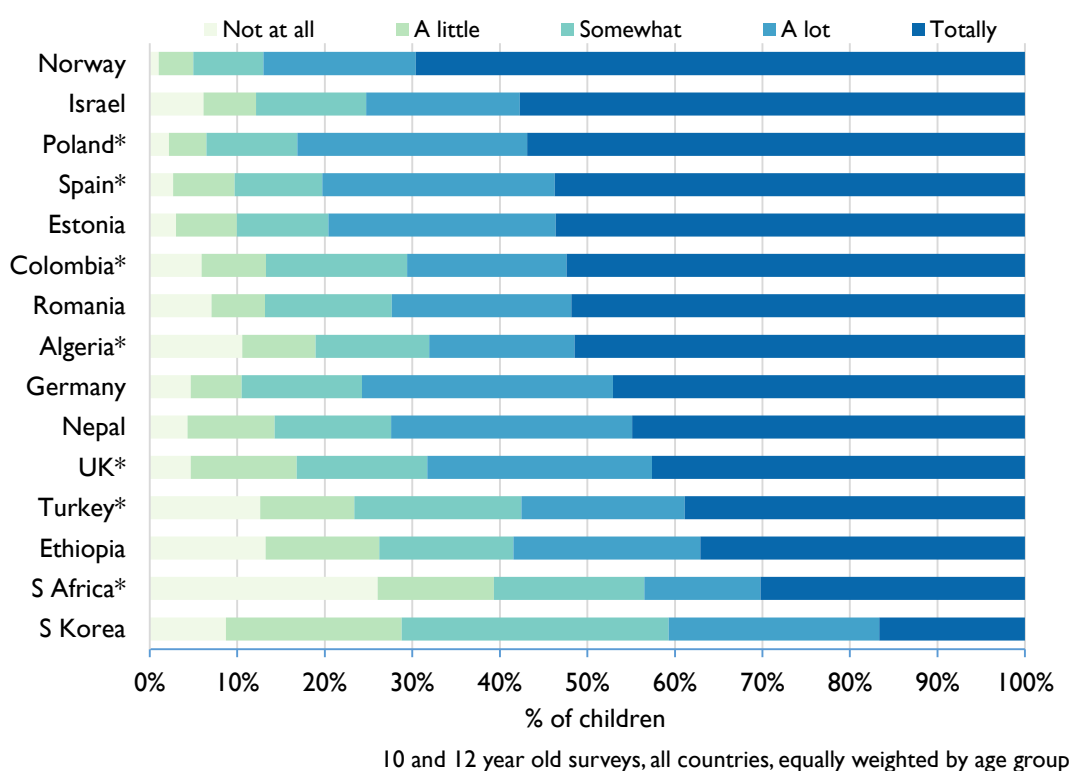


Figure 56: Level of satisfaction with 'the people who live in your area' by country

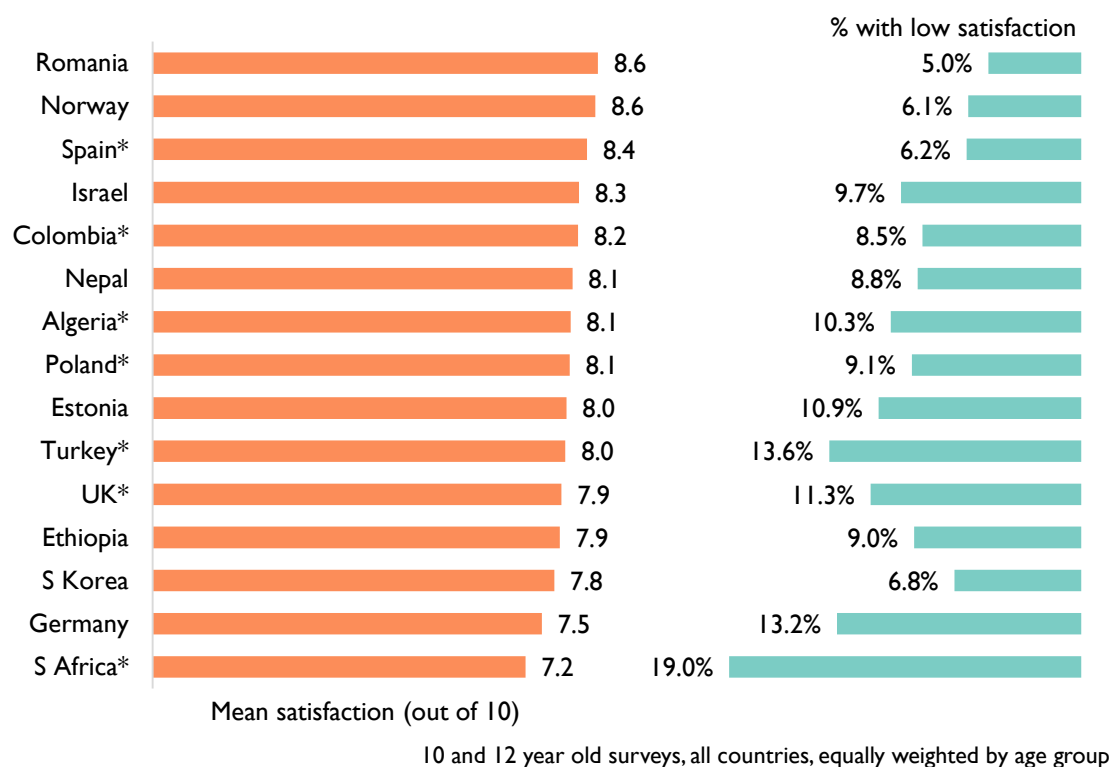


Figure 57: Level of satisfaction with 'the local police in your area' by country

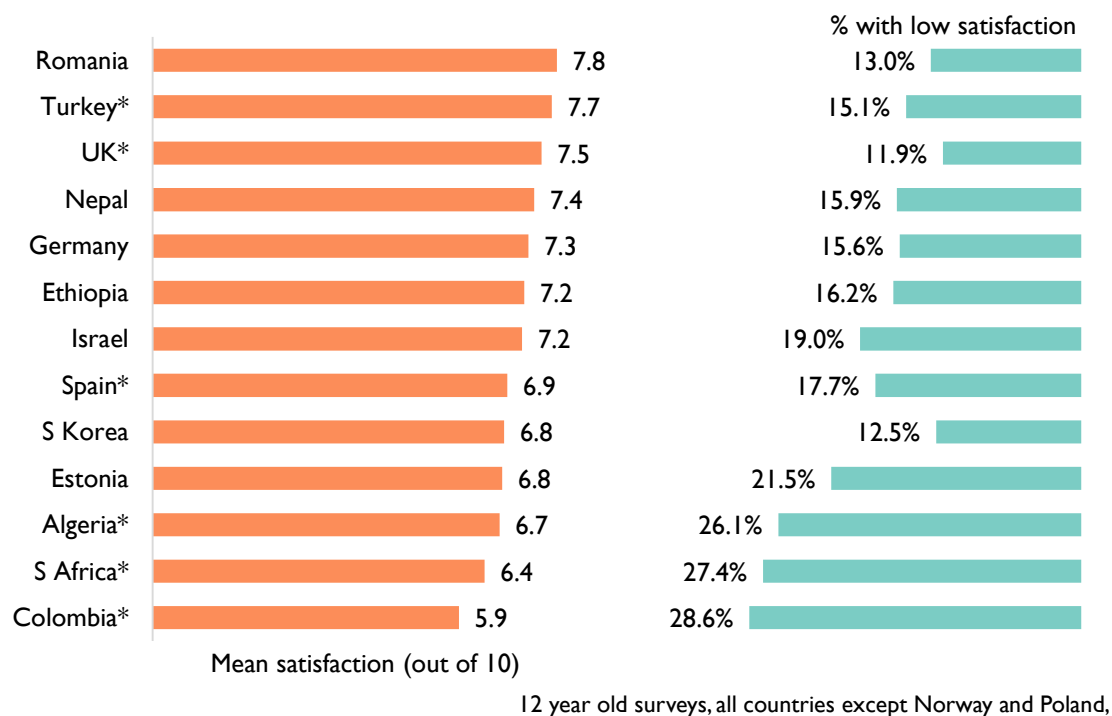


Figure 58: Level of satisfaction with 'how you are dealt with when you go to the doctors' by country

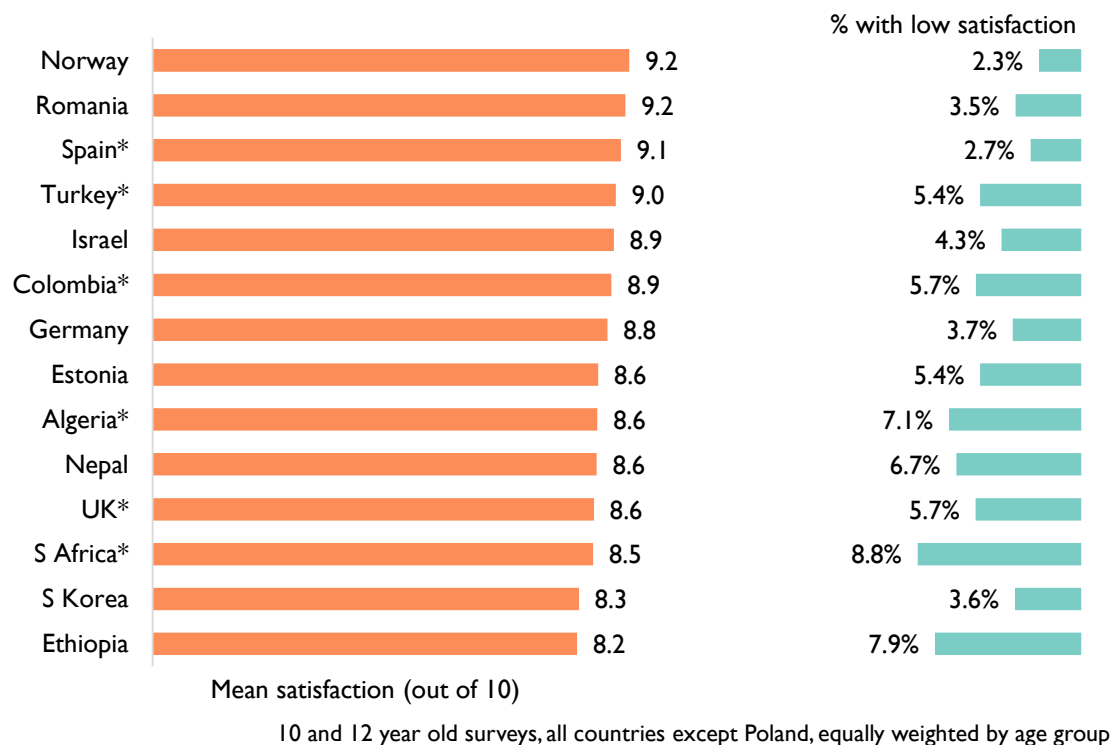


Figure 59: Level of satisfaction with 'the outdoor areas children can use in your area' by country

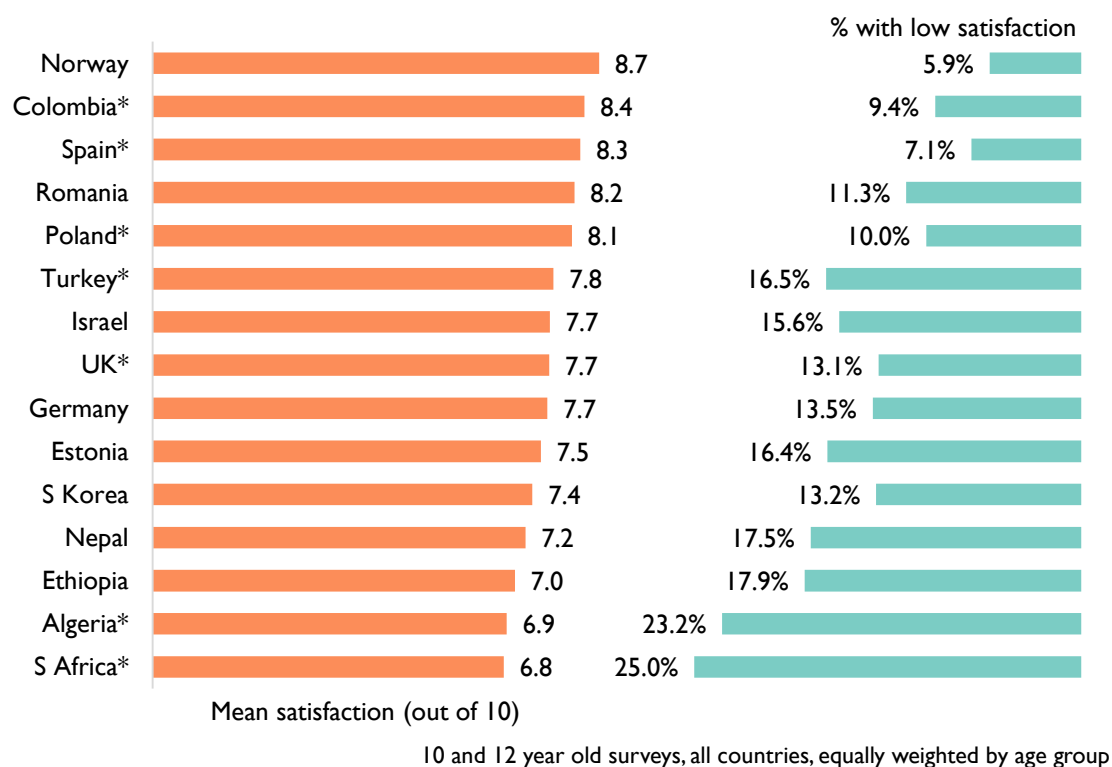
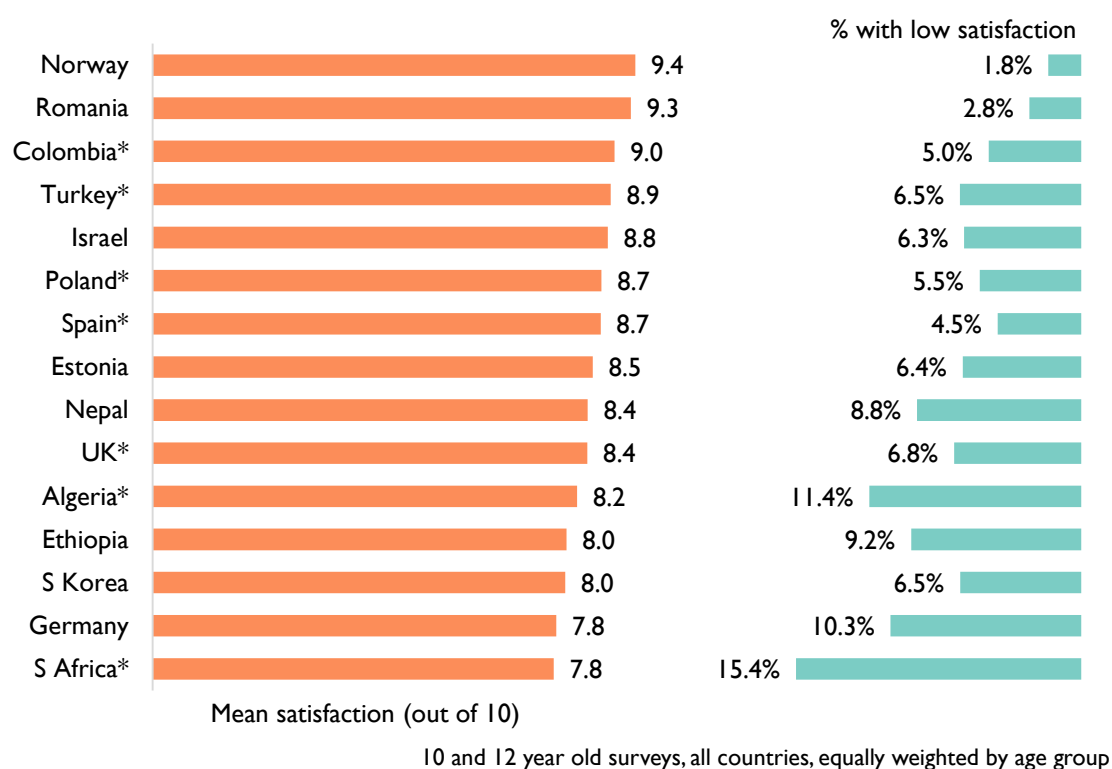


Figure 60: Level of satisfaction with 'the area you live in general' by country



Summaries of rankings of scores and relative scores are provided in the two tables on the next page.

In terms of the rankings:

- This is an aspect of life where children in Norway tend to score highly.
- Children in Colombia also tend to have high rankings except for satisfaction with the police.
- South Africa, Ethiopia and South Korea tend to fare least well on this aspect of life.

The relative scores highlight the aspects of life where there is substantial departure from the overall pattern of responses in the survey within countries and across aspects of life:

- Responses to the two agreement questions are particularly variable. Children in Estonia, Germany, Israel, Norway, Poland and Spain fare comparatively well on these two questions whereas children in Algeria, South Korea and Turkey have relatively low levels of agreement.
- There are also notable disparities in satisfaction with the police which is particularly low in Colombia and relatively high in the UK and Nepal.
- Satisfaction with doctors shows very little variation compared to overall patterns of responses to the set of satisfaction questions within countries.

Table 21: Local area – Summary of rankings by country for each question

	Place to play	Feel safe	Local people	Police	Doctors	Outdoor areas	Area in general
Algeria*	13	9	7	11	9	14	11
Colombia*	4	6	5	13	6	2	3
Estonia	5	4	9	10	8	10	8
Ethiopia	15	13	12	6	14	13	12
Germany	7	8	14	5	7	9	14
Israel	6	5	4	7	5	7	5
Nepal	11	10	6	4	10	12	9
Norway	1	1	2	n/a	1	1	1
Poland*	2	2	8	n/a	n/a	5	6
Romania	14	7	1	1	2	4	2
S Africa*	10	14	15	12	12	15	15
S Korea	12	15	13	9	13	11	13
Spain*	3	3	3	8	3	3	7
Turkey*	9	12	10	2	4	6	4
UK*	8	11	11	3	11	8	10

10 and 12 year old surveys, all countries, equally weighted by age group

Table 22: Local area – Relative scores by country for each question

	Place to play	Feel safe	Local people	Police	Doctors	Outdoor areas	Area in general
Algeria*	0.78	0.97	1.00	0.95	0.98	0.89	0.96
Colombia*	1.08	1.01	0.98	0.81	0.98	1.05	1.01
Estonia	1.07	1.09	1.01	0.98	1.00	1.00	1.02
Ethiopia	0.84	0.95	1.02	1.06	0.98	0.95	0.98
Germany	1.08	1.07	0.95	1.05	1.02	1.01	0.93
Israel	1.06	1.06	1.00	0.99	1.00	0.98	1.01
Nepal	0.95	1.03	1.05	1.09	1.02	0.98	1.03
Norway	1.09	1.12	1.02	n/a	1.01	1.08	1.05
Poland*	1.09	1.08	1.00	n/a	n/a	1.05	1.02
Romania	0.81	1.03	1.00	1.04	0.98	1.00	1.02
S Africa*	0.99	0.77	0.93	0.94	1.01	0.92	0.94
S Korea	0.90	0.79	1.03	1.03	1.01	1.02	1.00
Spain*	1.07	1.06	1.04	0.97	1.03	1.07	1.01
Turkey*	0.94	0.89	0.95	1.05	0.98	0.97	1.00
UK*	1.00	1.00	1.00	1.09	1.00	1.02	1.01

10 and 12 year old surveys, all countries, equally weighted by age group

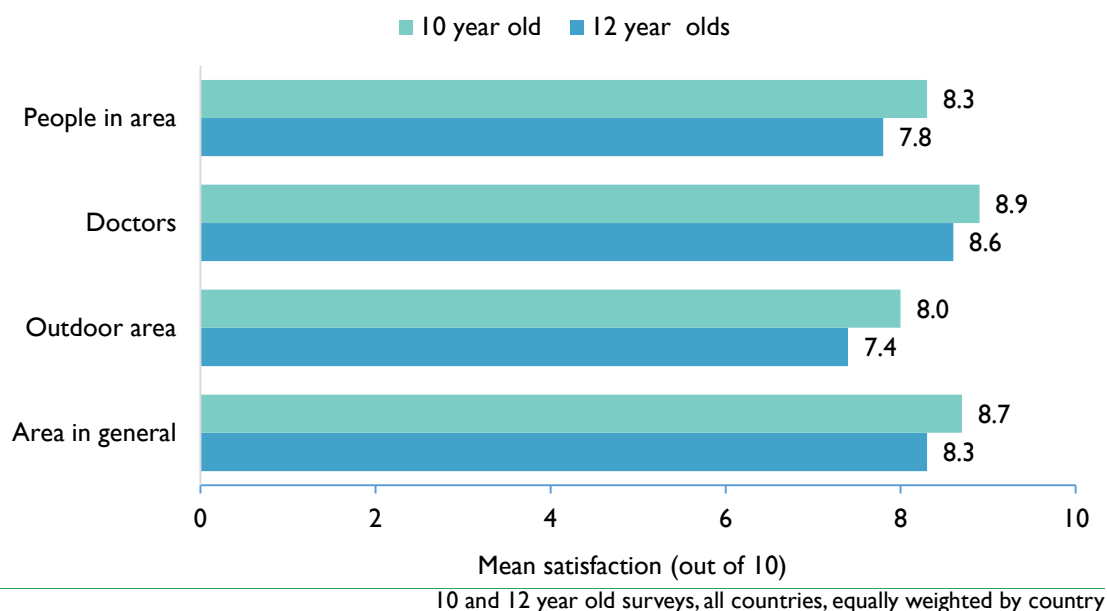
Context 5**Countries: Poland, South Africa**

Children's local areas can provide spaces for them to spend time away from home, playing and spending time with friends. However, they can also be spaces in which children experience threat and fear. For example, children in South Africa reported very low levels of satisfaction with the spaces available to them in their local areas. This may be a result of high levels of violence and crime, with children either exposed to this when out in their local area, or prevented (by choice or by parental wishes to protect children) from accessing spaces in their local area. In contrast to this experience, children in Poland reported very high levels of satisfaction with the spaces available to them. Among the reasons for this may be interventions undertaken under the Polish National Programme of Action against Social Exclusion, which included the My Sports Field Programme (running 2008-2012) which made sports infrastructure available to children and young people within all Polish municipalities. Additionally, the Happy Schools Programme which ran from 2009-2014, provided financial aid to primary schools which could be used for modernisation or creation of playgrounds for children.

Variations by age group

There was a general pattern in the data set as a whole of children in the 12-years-old survey being less satisfied with aspects of their local area than those in the 10-years-old survey. These differences are summarised for the pooled data set (with equal weighting for each country) in the chart below.

Figure 61: Local area – Summary of significant age group differences by country



These age group differences were also reflected in a number of countries individually as follows:

- Places to play: South Korea, Poland, Norway, Estonia, Spain
- People in local area: South Korea, Poland
- Doctors: South Korea, Turkey
- Outdoor area: South Korea, Turkey, Estonia, Spain, Poland
- Local area in general: South Korea, Turkey, Poland

Variations by gender

There were relatively few significant gender differences for the questions considered in this chapter, either overall or in particular countries. The main exception to this was that boys in South Korea tended to be more happy with most aspects of their local area than girls. Additionally, boys in Algeria had higher levels of agreement than girls with the questions about places to play and safety in the local area.

Summary and discussion

The topic of local area was one for which children in the survey had some of the lowest levels of satisfaction. In all countries at least one (and usually two) of the three lowest ranked satisfaction questions in the survey related to the local area. The local police received the lowest mean satisfaction rating in 11 out of the 15 countries, and satisfaction with outdoor areas to play was also usually towards the bottom of the rankings. In absolute and relative terms, the local area was an aspect of life for which children in South Africa had particularly low levels of satisfaction while children in Norway tended to have high satisfaction scores.

There were substantial variations between countries in the extent to which children felt safe in their local area. Over two-thirds (70%) of children in Norway totally agreed that they felt safe walking around in the area where they lived compared to 17% in South Korea and 30% in South Africa.

There were fairly consistent age group differences for this aspect of life with satisfaction tending to be lower in the 12-years-old survey than the 10-years-old survey. On the other hand there were relatively few gender differences.

At this stage we do not know how important children's feelings about their local area are for their overall well-being. Given the generally low levels of satisfaction with this aspect of life it will be interesting for future analysis of the data set to explore the extent to which children's evaluations of their local area have a significant association with their evaluations and feelings about their lives as a whole.

Chapter 10

Self

Overview

Children were asked four satisfaction questions that fall into this category:

Box 9: Self: satisfaction questions

Satisfaction questions

How satisfied are you with ..

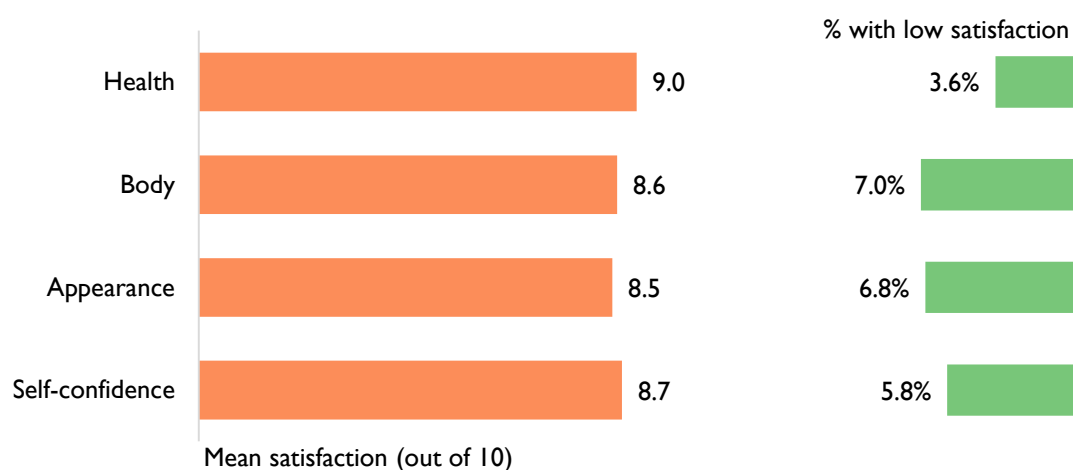
- Your health
- Your body
- The way that you look
- Your self-confidence

Responses were on a unipolar, 11-point scale from 0-10, with 0 labelled as 'Not at all satisfied' and 10 labelled as 'Totally satisfied'.

The third item was not asked in Poland.

A summary of responses to these four questions are shown in the chart below. Overall, these patterns are roughly average for the survey as a whole with means in the region of 8.5 to 9.0 and small proportions of children with low well-being.

Figure 62: Satisfaction questions about self



10 and 12 year old surveys, all countries, equally weighted by age group and country

However there are some notable differences between countries, age groups and genders for some of these questions.

Variations by country

The four charts on the next two pages show the mean scores and percentages of children with low satisfaction by country for each of the four questions considered in this chapter.

- The variations in satisfaction with health are not that pronounced. Mean scores have a relatively narrow range from 8.4 to 9.6 and the percentage of children with low satisfaction is below 6% in all countries. To a great extent these satisfaction ratings reflect those for overall subjective well-being (see Chapter 13).
- Variations between countries in children's satisfaction with their bodies are much more substantial. Mean scores range from 7.4 in South Korea to 9.5 in Colombia. Here there are tentative indications of a geographical pattern. In South Korea and five countries in Europe (UK, Germany, Estonia, Norway and Poland) more than 8% of children had low satisfaction with their bodies (see context box below). In the remaining countries, the mean scores were higher and the percentages with low satisfaction were in the range from 2% to 6%. Statistical testing suggests that the mean scores for South Korea, UK, Germany and Estonia are significantly lower than for all the countries from Nepal and above in Figure 64; while mean scores for Norway and Poland are significantly lower than those for Algeria and above.
- Variations in satisfaction with one's appearance showed a similar pattern, although here children in Nepal also tend to score relatively low. The percentages (more than one in ten children) with low satisfaction in South Korea, UK and Nepal are notable.
- Finally, in terms of self-confidence, four countries (Romania, Colombia, Turkey and Algeria) have mean scores above 9.0, while UK and South Korea have notably low mean scores and more than 10% of children in the UK have low satisfaction with this aspect of their lives.

Context 6

Countries: Poland, Norway, England

In terms of satisfaction with various aspects of themselves, we found that children in African countries tended to fare comparatively well, while children in many European countries (especially in England and Norway) fared poorly. Children in England fared particularly poorly on satisfaction with body and appearance. The poor satisfaction of children in England is probably the result of a range of factors. Research suggests that increasingly unrealistic and unhealthy portrayals of 'ideal' body types in the media have contributed to an increased dissatisfaction among children and young people with their own bodies, and a probable association between exposure to such images and the likelihood of suffering from eating disorders. So to an extent children's concerns might reflect a perceived deficit measured against an unrealistic and unhealthy ideal. However, research also demonstrates a worryingly high proportion of overweight and obese children – statistics from the National Child Measurement Programme indicate that almost 30% of children aged 10-11 were overweight or obese in England in 2013-14. Dissatisfaction with body and appearance probably therefore reflects a complex combination of exposure to unhealthy ideals in the media, coupled with the reality of high levels of overweight in the child population.

Figure 63: Level of satisfaction with 'your health' by country

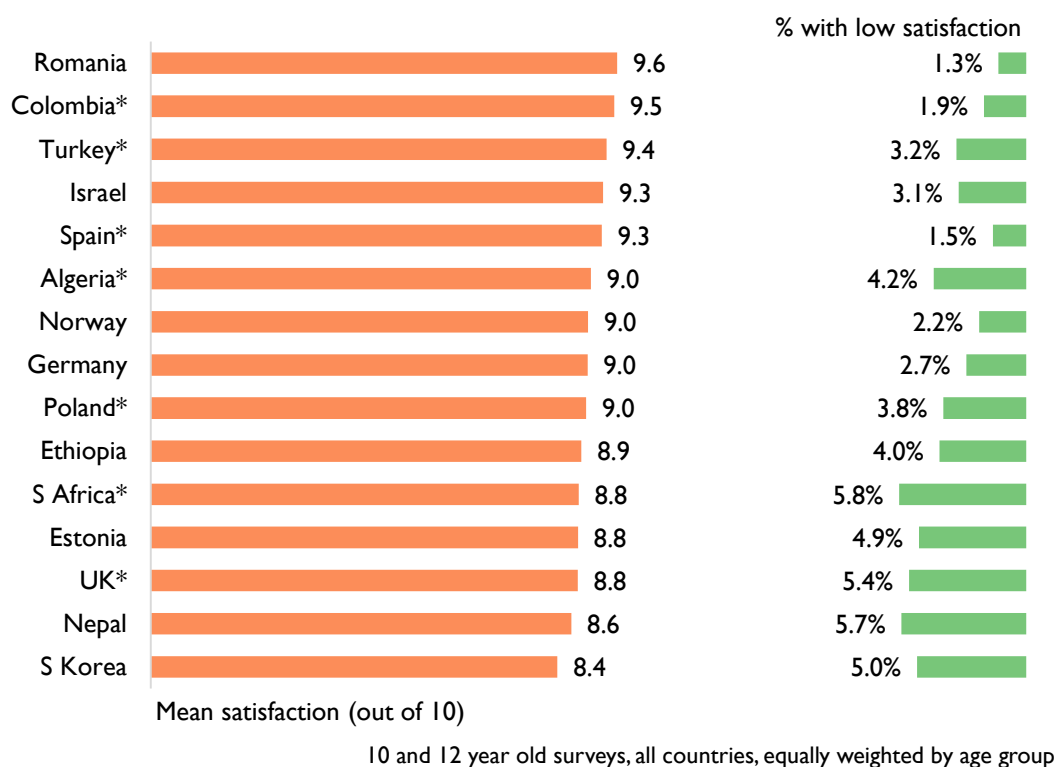


Figure 64: Level of satisfaction with 'your body' by country

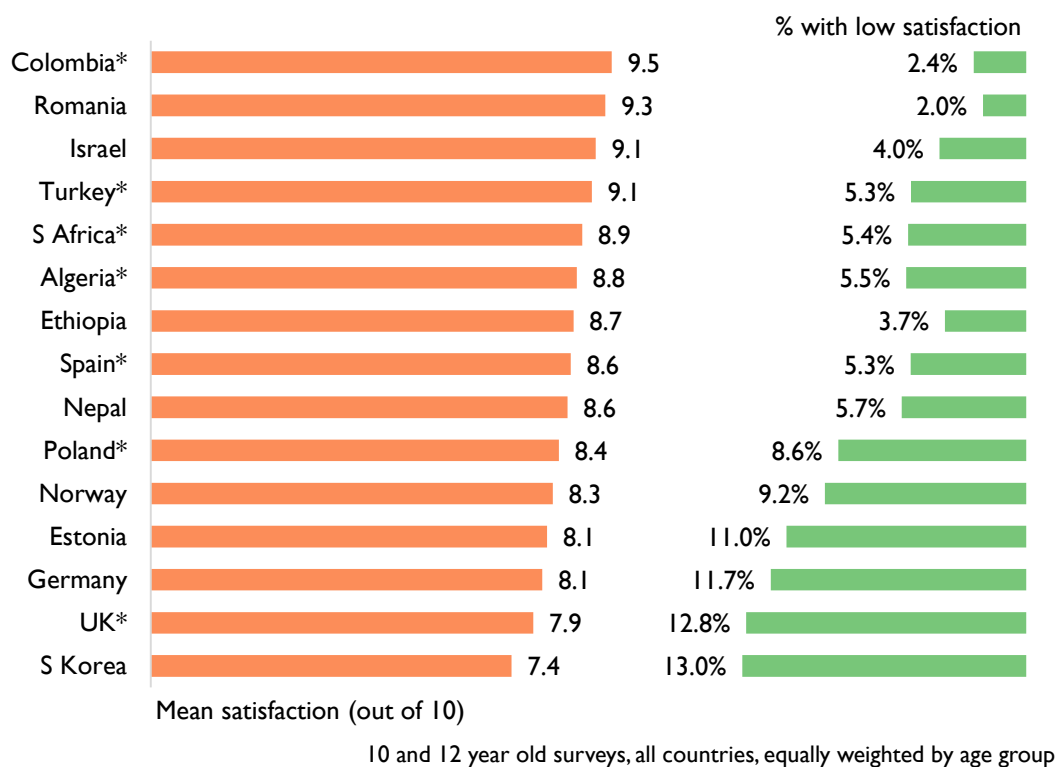
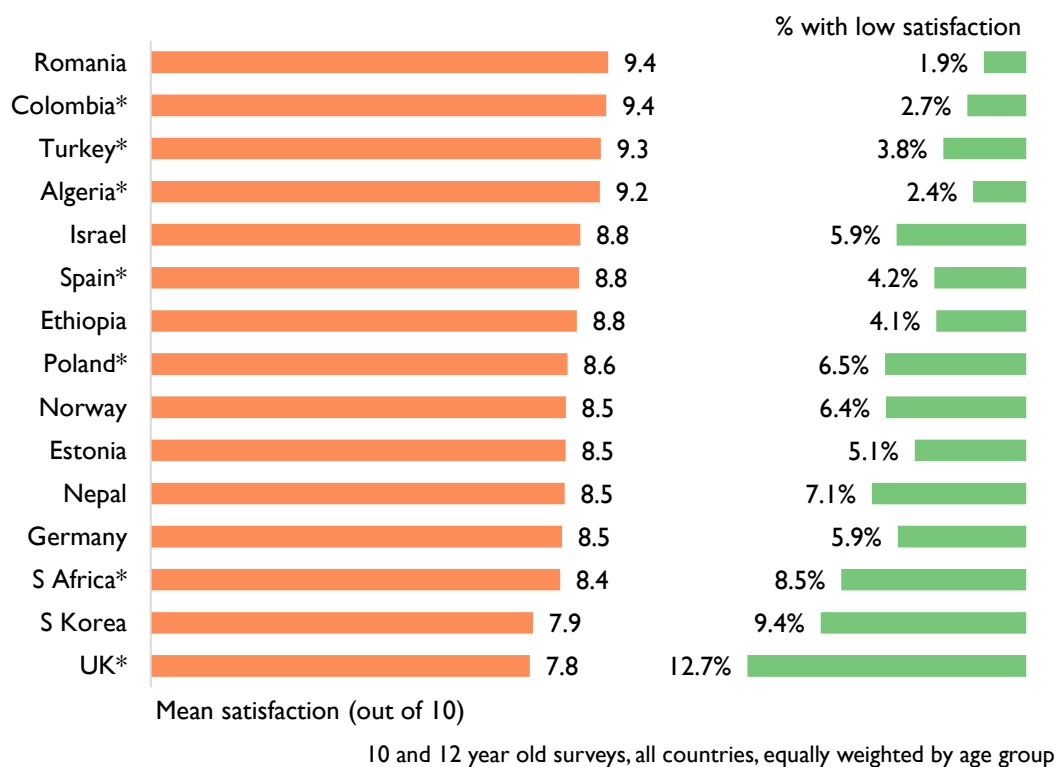


Figure 65: Level of satisfaction with 'the way that you look' by country



Figure 66: Level of satisfaction with 'your self-confidence' by country



The table below summarises the rankings of mean scores and the relative scores for each question for each country. The rankings of mean scores have already been discussed above. The relative scores show a slightly different pattern:

- The pattern of scores for satisfaction with health is not particularly distinctive, taking into account the way that children in each country respond to these types of satisfaction questions across the survey as a whole, although Colombia fares a little better than expected and Norway a little worse.
- Children in South Africa also fare particularly well in terms of satisfaction with their body and their appearance, when one takes into account the general response patterns across the survey for each country.
- Children in Colombia score higher on all four questions than would be expected from the general pattern of responses across all questions of this type.
- Three countries – UK, Norway and South Korea – stand out as having particularly low scores for satisfaction with body, appearance and self-confidence.
- For almost all countries the relative scores for body and appearance are very similar. In this light, the difference in relative scores for body and appearance in Nepal is interesting and this may merit further exploration in terms of children's interpretation of these two questions in that country.

Table 23: Self – Summary of rankings and relative scores by country for each question

See Chapter 1 for an explanation of the calculation of the relative scores

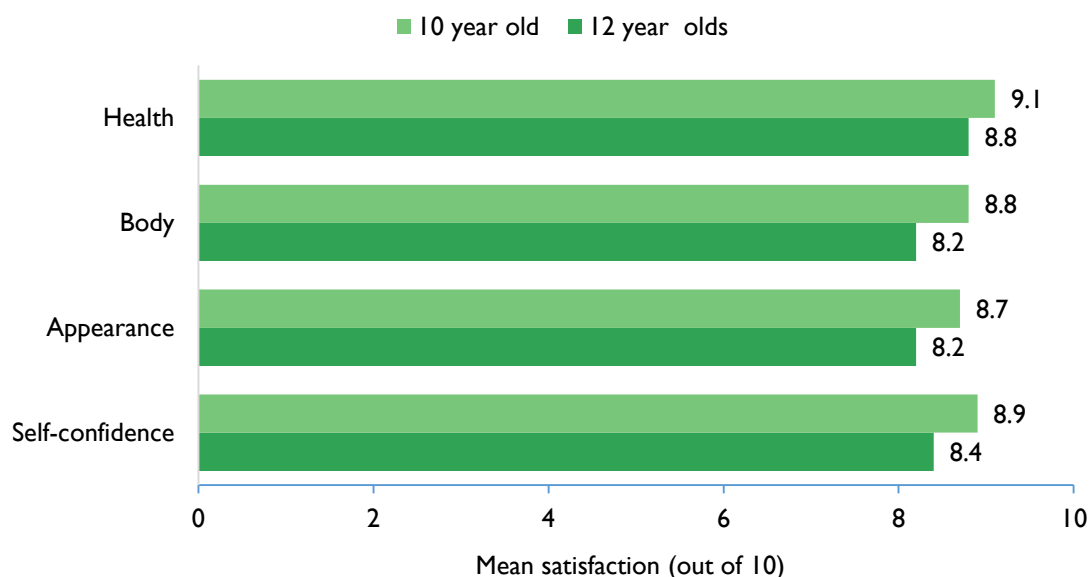
	Rankings				Relative scores			
	Health	Body	Appearance	Self-confidence	Health	Body	Appearance	Self-confidence
Algeria*	6	6	4	4	1.00	1.01	1.06	1.06
Colombia*	2	1	1	2	1.04	1.06	1.05	1.04
Estonia	12	12	10	10	0.99	0.97	0.99	1.00
Ethiopia	10	7	7	7	1.02	1.06	1.06	1.05
Germany	8	13	11	12	1.01	0.95	0.97	0.99
Israel	4	3	3	5	1.01	1.04	1.05	0.99
Nepal	14	9	12	11	1.00	1.04	0.96	1.02
Norway	7	11	9	9	0.96	0.92	0.94	0.94
Poland*	9	10	n/a	8	0.99	0.97	n/a	0.98
Romania	1	2	2	1	0.99	1.02	1.02	1.01
S Africa*	11	5	6	13	1.01	1.07	1.05	1.00
S Korea	15	15	14	14	0.99	0.92	0.90	0.96
Spain*	5	8	8	6	1.02	1.00	1.00	1.01
Turkey*	3	4	5	3	0.99	1.01	1.00	1.02
UK*	13	14	13	15	0.99	0.94	0.94	0.92

10 and 12 year old surveys, all countries, equally weighted by age group

Variations by age group

This is an aspect of children's lives where there are noticeable drops in levels of satisfaction between the ages of 10 and 12, particularly for body, appearance and self-confidence, as shown in the chart below.

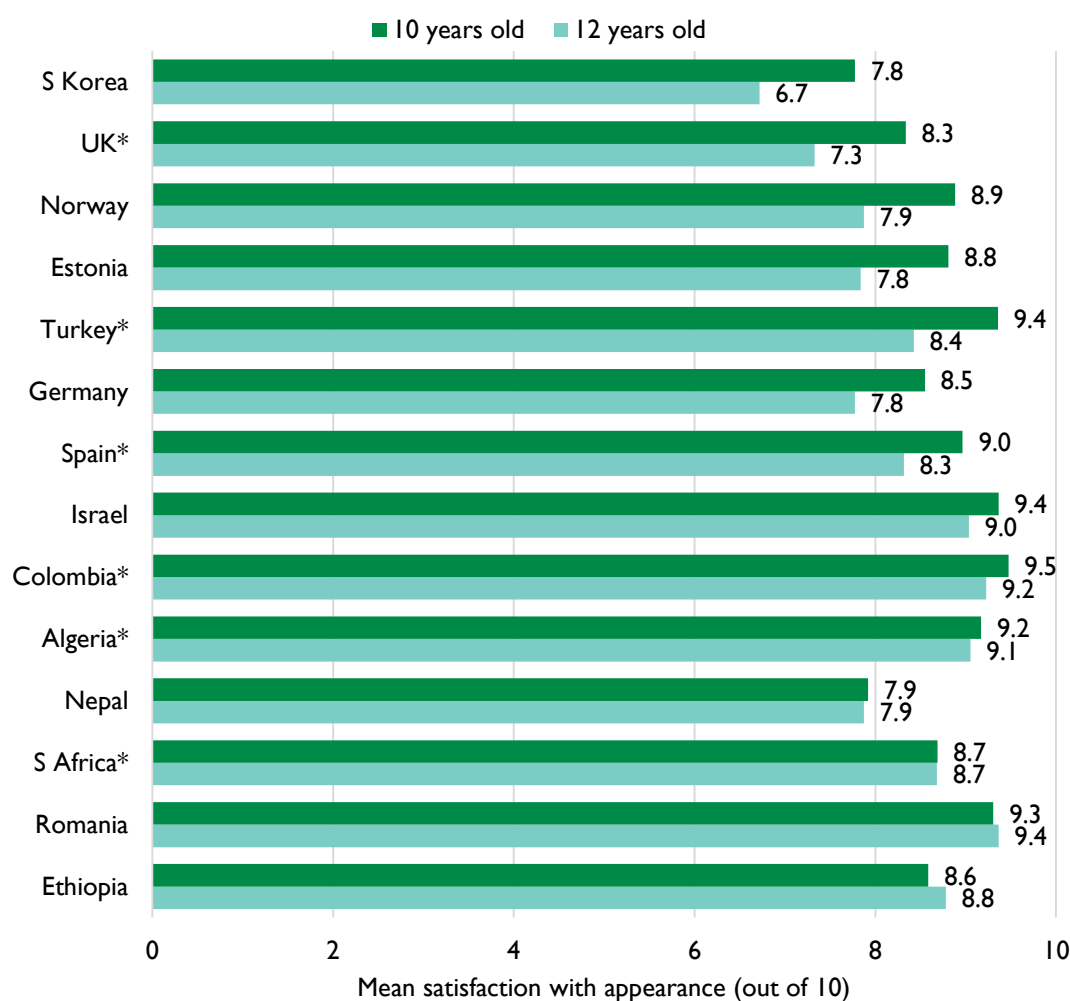
Figure 67: Satisfaction questions about self



10 and 12 year old surveys, all countries, equally weighted by country

However, these age group differences are not consistently seen across the data set. In Estonia, Germany, Norway, Poland (where data is available), South Korea, Spain, Turkey and the UK, children in the 12-years-old survey were much less satisfied with their body, appearance and self-confidence than in the 10-year-old survey. Some of these differences are quite sizeable – for example in the UK and South Korea the mean scores for appearance were around 10% lower in the 12-years-old survey compared to the 10-years-old survey (7.3 compared to 8.3 in the UK, 6.7 compared to 7.8 in South Korea). But these age-related patterns are not reflected in all countries as shown in Figure 68. For example, satisfaction with appearance was actually slightly higher (not statistically significant so) among 12-year-olds in Ethiopia (mean score of 8.8) than among 10-year olds (8.6). It would therefore be interesting to consider further why there are such sharp drops in children's satisfaction with these aspects of their lives in most European and some other countries.

Figure 68: Satisfaction with appearance by age group and country



Variations by gender

There are some similar patterns in relation to gender differences within countries for these questions. Using the criteria for statistical significance outlined in Chapter 1:

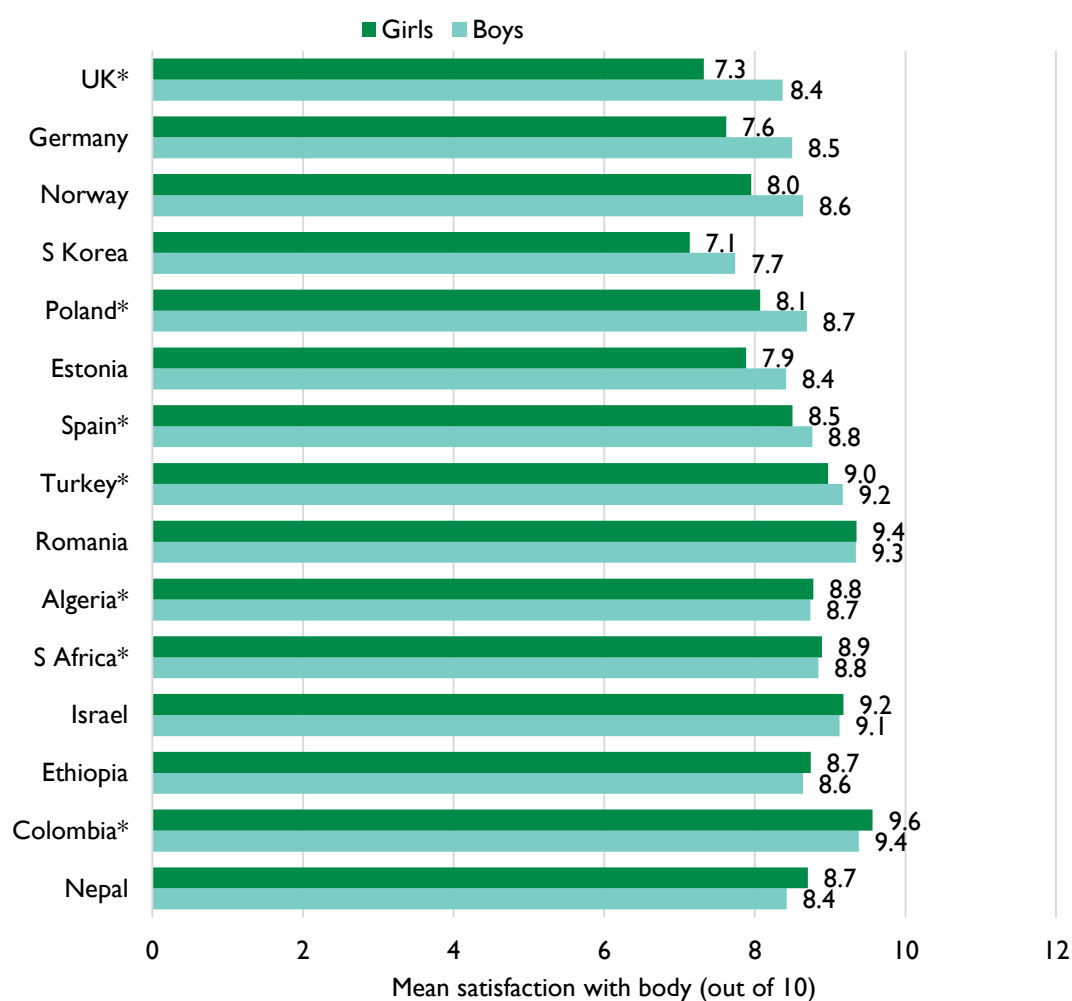
- There was no evidence of gender differences for satisfaction with health
- Satisfaction with one's body was lower among girls than boys in six countries – Estonia, Germany, Norway, Poland, UK and South Korea
- Satisfaction with appearance was lower among girls than boys in Germany, Norway, UK and South Korea
- Satisfaction with self-confidence was lower among girls than boys in Germany, UK and South Korea

Again this pattern of gender differences is not in evidence across all countries. For example, in terms of satisfaction with appearance, girls in Colombia have higher mean scores (9.5) than boys (9.2) and the same applies in Ethiopia (8.8 for girls compared to 8.6 for boys) and Nepal (8.0 for girls and 7.8 for boys), although in none of these countries is the difference statistically

significant. Mean satisfaction ratings for appearance are very similar (within 0.1) for girls and boys in a number of other countries – Algeria, Israel, Romania and South Africa.

Figure 69 shows similar patterns for satisfaction with one's body, the largest proportional differences are in the UK where the mean score for boys is around 15% higher than for girls. This contrasts with seven countries (from Romania to Nepal in the chart) where girls had marginally higher satisfaction with this aspect.

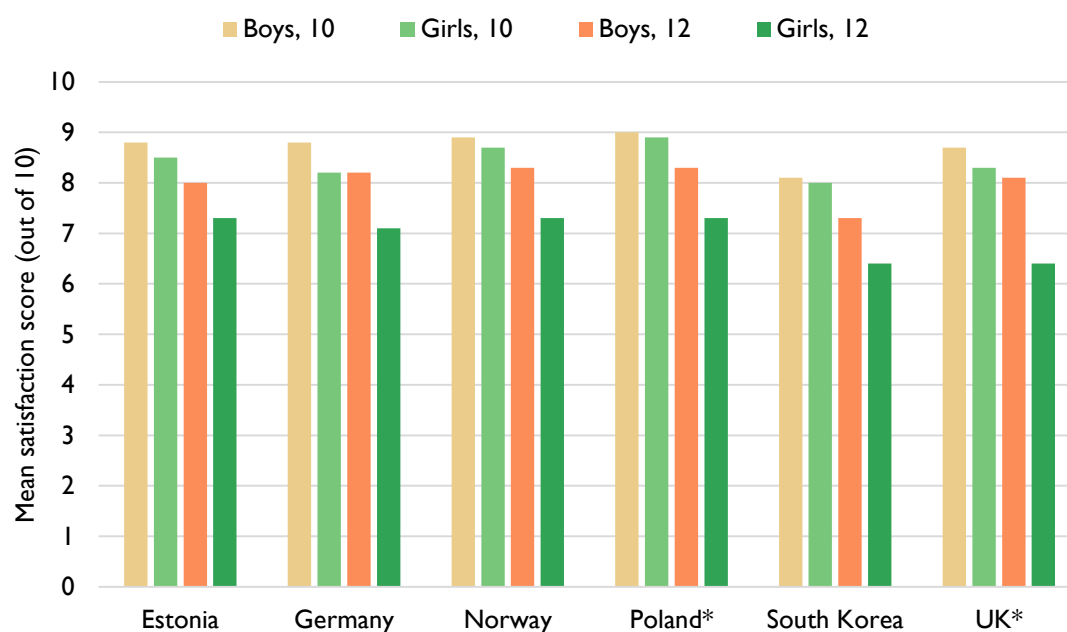
Figure 69: Satisfaction with body by gender and country



Variations by gender and age group

The size of the differences in satisfaction with some of these aspects of life according to gender and age group is illustrated in the chart below which focuses on the six countries where the majority of substantial differences occur. The chart shows mean scores for satisfaction with one's body, broken down by age group and gender in each country. It can be seen that the gender differences are much more pronounced among the 12-year-old age group than the 10-year-old age group with gender differences of more than one point of 10 in the UK and Germany in particular.

Figure 70: Mean satisfaction with 'your body' by age group and gender in six countries



Summary and discussion

This chapter has looked at variations in children's evaluations of aspects of 'self' – their health, bodies, appearance and self-confidence. Taking the survey sample as a whole, children's levels of satisfaction with these four topics were in the middle range compared to other aspects of life. However this broad finding conceals considerable variation according to country, age group and gender.

Children in Colombia, Romania and Turkey had the highest absolute scores for this aspect of life while South Korea and the UK had the lowest. In relative terms (i.e. compared to satisfaction with other aspects of life) children in Algeria, Ethiopia and South Africa tended also to be satisfied with this aspect of life. Overall there were indications of a divide between low scores in South Korea and countries in the northern half of Europe and high scores elsewhere.

These patterns were broadly reinforced by the evidence on age and gender variations. In South Korea, the UK, Estonia, Germany, Norway and Poland children in the 12-years old survey tended to have significantly lower satisfaction than children in the 10-years-old survey; and girls tended to have significantly lower satisfaction than boys. An important point here is that these age and gender variations were not in evidence in most other countries in the survey.

The combination of age and gender factors produces some of the most striking variations in satisfaction in the report as shown in the figure above. For example, satisfaction with 'your body' varied in the UK from 8.7 out of 10 among boys in the 10-years-old survey to 6.4 out of 10 for girls in the 12-years-old survey.

The fact that in many countries there was little or no evidence of age or gender differences in children's satisfaction with the aspects of life covered in this chapter highlights important questions to be considered further in the six countries shown in Figure 70 regarding why such differences exist in these countries.

Chapter 11

Other aspects of life

Overview

Children were also asked satisfaction questions about a number of other aspects of life that cut across some of the topics considered in previous chapters.

Box 10: Other satisfaction questions

Satisfaction questions

How satisfied are you with ..

- The freedom you have
- The amount of opportunities you have in life
- How you are listened to by adults in general
- How safe you feel
- With the things you want to be good at
- About doing things away from your home
- About what may happen to you later in your life
- With your preparation for the future

Responses were on a unipolar, 11-point scale from 0-10, with 0 labelled as 'Not at all satisfied' and 10 labelled as 'Totally satisfied'.

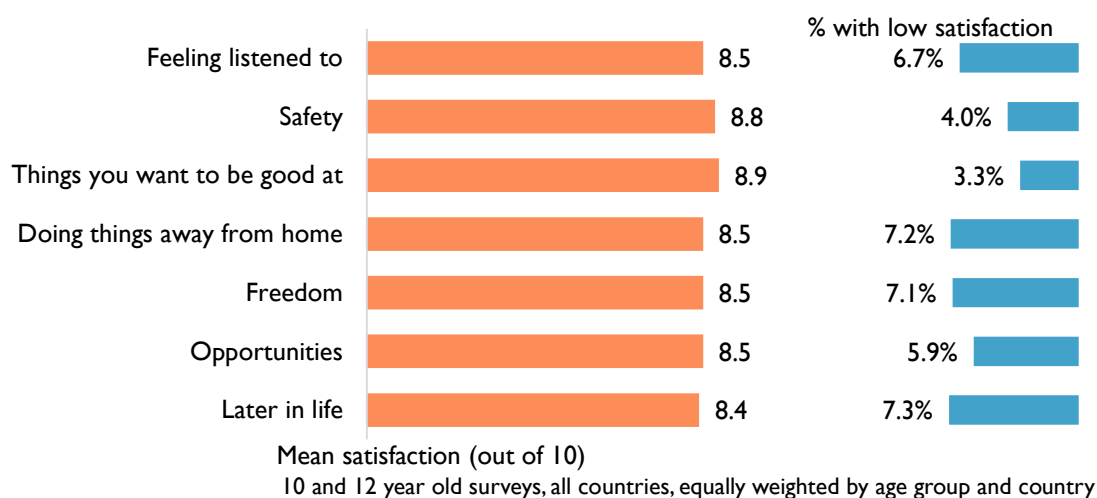
Notes: Item 3 was not asked in Poland; item 8 was not asked in six countries; and item 2 was only asked in the 12-years-old survey.

Items 4 to 7 in the above list were included as they are part of the Personal Well-being Index – School Children, which is one of the psychometric scales included in the questionnaire – see Chapter 4 for further discussion.

The final item about preparation for the future was omitted from the questionnaires in six countries and so is not considered further here.

The presentation of key statistics in this chapter is more brief than in the previous ones partly because these items do not represent a coherent theme that can be discussed and partly because as indicated above some of the items are items of a scale which is dealt with elsewhere.

Mean scores and percentages of children with low well-being for the 15 countries as a whole are shown in the chart below. In general, children were a little more satisfied with their safety and with 'the things you want to be good at' than with other five aspects which all have very similar satisfaction ratings.

Figure 71: Satisfaction questions about other aspects of life

Variations by country

The patterns in mean scores across the seven aspects of life and different countries are shown in the next two tables.

Table 24 shows the rankings of the mean scores:

- Three countries – Romania, Turkey and Colombia – rank consistently highly
- Ethiopia and South Korea rank consistently low in all aspects
- For a few countries and aspects of life there are notable variations. Nepal and South Africa rank much higher on satisfaction with 'things you want to be good at' than on other aspects; while the opposite is true in Norway and Germany

Table 25 shows the relative scores which put each mean score in the context of the overall pattern of responses to the satisfaction questions within countries and also across particular aspects (see Chapter 1 for details of how these scores are calculated). This table indicates that most scores are relatively close to what would be expected from the general pattern of responses within each country and the general level of responses for each aspect. However:

- Within the 'doing things away from home' aspect there are some notable patterns with Germany, Estonia and Poland faring relatively well and Algeria, South Africa, Nepal and Ethiopia faring comparatively poorly. It is not clear what interpretation should be put on these findings but it was shown in Chapter 8 that these last four countries all score relatively low for satisfaction with outdoor areas in the locality, so it may be that children view this question as relating to that aspect of life. (This item wording is from the Personal Well-being Index – School Children and was intended to measure aspects of community rather than local facilities, see Cummins & Lau, 2005)
- Children in Nepal and, to a lesser extent, Ethiopia have relatively low satisfaction for most of these aspects of life, taking into account their responses to the whole set of satisfaction questions within the questionnaire
- Children in Germany, Poland and Turkey have relatively high scores for 'what may happen later in life'

Table 24: Other aspects of life – Summary of rankings by country for each question

	Listened to	Safety	Things want be good at	Things away from home	Freedom	Opport- unities	Later in life
Algeria*	4	5	4	13	12	7	6
Colombia*	5	3	2	3	5	1	2
Estonia	9	10	9	6	11	9	10
Ethiopia	13	14	12	12	15	13	14
Germany	8	9	14	8	6	6	5
Israel	6	7	5	7	4	4	8
Nepal	14	12	6	14	14	14	15
Norway	3	4	11	5	3	3	7
Poland*	n/a	6	10	4	7	10	4
Romania	1	1	1	1	1	2	3
S Africa*	11	13	7	15	10	11	13
S Korea	12	15	15	11	13	15	12
Spain*	7	8	8	9	9	12	9
Turkey*	2	2	3	2	2	5	1
UK*	10	11	13	10	8	8	11

10 and 12 year old surveys, all countries, equally weighted by age group

Table 25: Other aspects of life – Summary of relative scores by country for each question*See Chapter 1 for an explanation of the calculation of the relative scores*

	Listened to	Safety	Things want be good at	Things away from home	Freedom	Opport- unities	Later in life
Algeria*	1.04	1.02	1.03	0.88	0.95	1.00	1.05
Colombia*	1.00	1.00	1.02	1.03	1.01	1.04	1.05
Estonia	1.01	1.01	1.01	1.07	0.98	1.01	1.01
Ethiopia	0.98	0.97	1.02	0.93	0.96	0.99	0.95
Germany	1.01	1.00	0.96	1.06	1.04	1.02	1.08
Israel	0.99	0.99	1.00	1.02	1.03	1.02	1.01
Nepal	0.92	1.01	1.06	0.91	0.96	0.96	0.71
Norway	1.00	0.99	0.94	1.02	1.02	1.02	1.01
Poland*	n/a	1.01	0.99	1.06	1.02	0.99	1.06
Romania	1.01	1.00	1.00	1.03	1.02	1.01	0.99
S Africa*	1.01	0.99	1.04	0.88	1.00	1.02	0.97
S Korea	1.00	0.97	0.97	1.02	0.99	0.93	1.01
Spain*	0.99	1.00	0.99	1.02	0.97	0.95	1.02
Turkey*	1.02	1.02	0.99	1.03	1.02	0.99	1.06
UK*	1.01	1.01	0.99	1.02	1.02	1.02	0.99

10 and 12 year old surveys, all countries, equally weighted by age group

Variations by age group

There were a number of significant age differences in mean satisfaction with the above aspects of life in some countries. Children in the 10-year-old survey were more satisfied than children in the 12-years-old survey with all six aspects of life in South Korea and Turkey. There were also significant differences in Poland (5 aspects), Spain (4 aspects), Estonia (3 aspects) and Norway (one aspect). In all these cases 10-year-olds had higher satisfaction than 12-year-olds. The reason for these variations in these particular countries is not clear and will require further exploration.

Variations by gender

There were relatively few significant gender differences within countries among this set of satisfaction items. The main point of note is that in three countries – South Korea, Germany and Norway – girls were significantly less satisfied with ‘the things you want to be good at’. This may relate to some of the patterns of gender difference in terms of sense of self which were discussed in the previous chapter. There were four other aspects - safety, later in life, opportunities and doing things away from home – for which girls in South Korea were significantly less satisfied than boys. However it should be borne in mind that the South Korea sample was substantially the largest in the survey and this may make it more likely that significant differences will be identified.

Summary and discussion

This chapter has looked briefly at a diverse group of questions about satisfaction with various aspects of life not covered in other chapters. This includes cross-cutting issues of freedom, safety and being listened to that are relevant across different parts of children's lives.

For the most part the patterns of satisfaction for these questions reflected those across the survey as a whole with countries such as Romania, Turkey and Colombia, who tend to score higher than average, ranking highest here and countries such as South Korea and Ethiopia ranking lowest.

The two aspects where there were the most noticeable cross-national variations were ‘doing things away from your home’ and ‘what may happen later in your life’. For the first question, Nepal and the three African countries in the sample had relatively low levels of satisfaction while children in Estonia, Germany and Poland had relatively high scores. It may be that children link this question with the topic of local area discussed in Chapter 9 where there were similar between-country patterns. For the second question, about the future, there were also some notable variations with Germany, Poland and Turkey scoring high in relative terms and Ethiopia, Nepal and South Africa scoring relatively low.

There were substantial age-related drops in satisfaction with some or all of these aspects of life in South Korea, Turkey, Poland, Spain and Estonia. There was less evidence of gender variations although the question about ‘things you want to be good at’ may possibly link with the questions about ‘self’ discussed in the previous chapter.

Overall, perhaps the most useful next analysis that can be done with these items is to explore their place within an overall framework of the different components of children's overall well-being.

Chapter 12

Children's rights

Overview

The three questions that children were asked about children's rights are shown in the box below

Box 11: Questions about children's rights

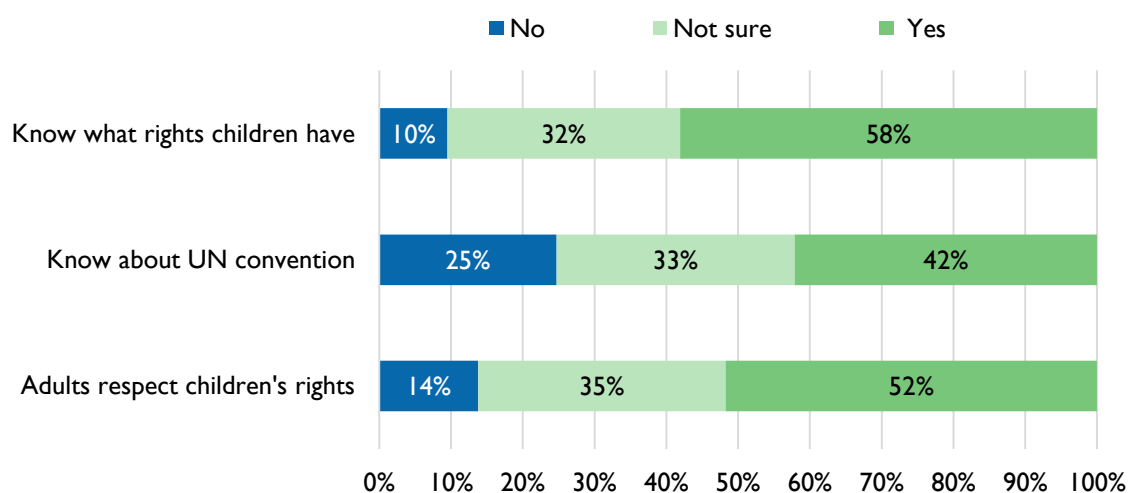
Please answer the following questions about children's rights

- I know what rights children have
- I know about the children's rights convention
- I think, in my country, adults in general respect children's rights

Responses were on a three-point scale – 'No', 'Not sure', 'Yes'

Responses for the pooled data from the 15 countries are shown in the chart below. A majority of children felt that they knew what rights children have (58%) and that adults in their country respected children's rights (52%). However, a smaller proportion - less than half (42%) - said that they knew about the children's rights convention.

Figure 72: Questions about children's rights



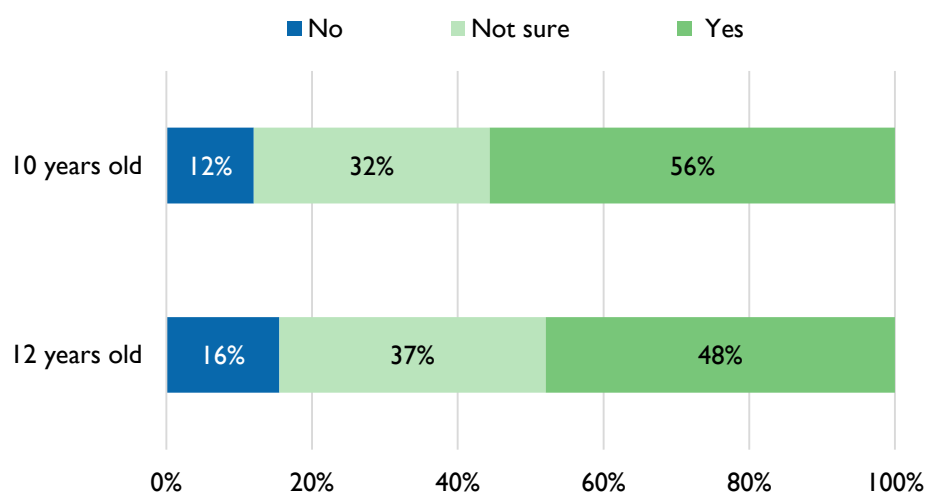
10 and 12 year old surveys, all countries, equally weighted by age group and country

Variations by age and gender

There was very little variation in responses to these questions according to gender. There were also no substantial variation according to age group for the first two questions, although awareness of the UN Convention was slightly higher (43%) among 12-year-olds than 10-year

olds. However there was a significant age difference in relation to the question about adults respecting children's rights. Children in the 12-years-old survey had much less positive views on this issue than children in the 10-years-old survey as shown in the figure below. In the 10-years-old survey a majority (56%) of children said that they felt adults in their country respected children's rights whereas in the 12-years-old survey the percentage decreased to 48%. We will return to this pattern after looking at differences between countries.

Figure 73: Whether children feel that adults respect their rights



10 and 12 year old surveys, all countries, equally weighted by age group and country

Variations by country

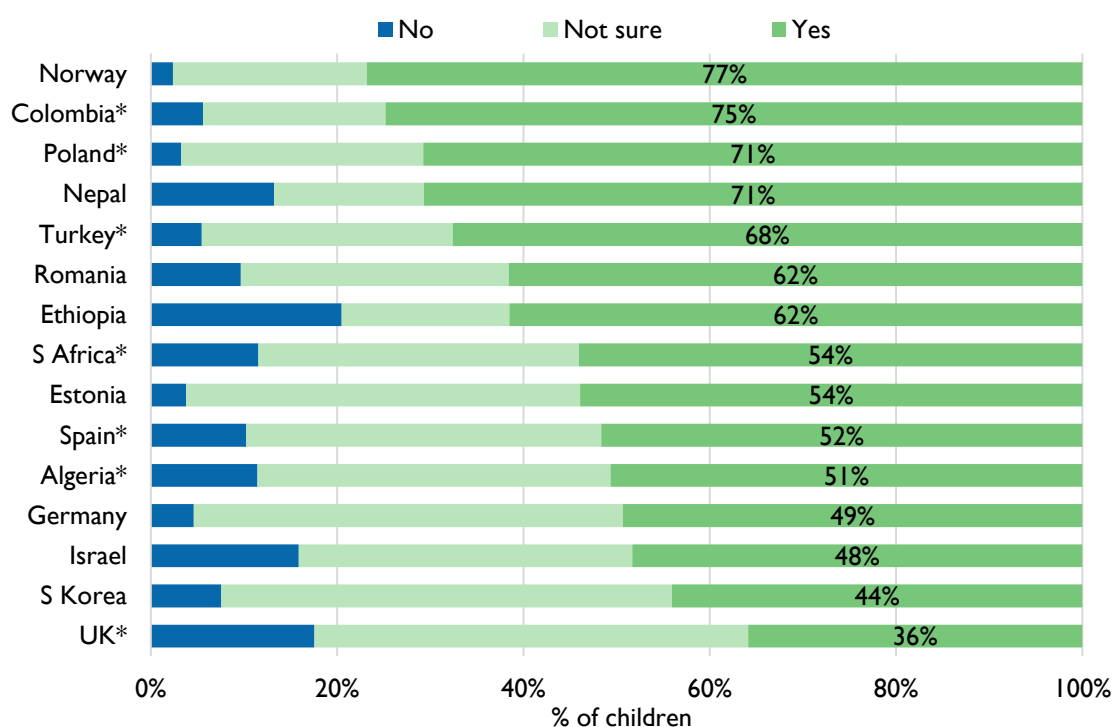
The three charts that follow show summaries of responses to each question for each country in the survey.

In terms of the question about knowing about rights, there were wide variations. In Norway and Colombia three-quarters of children felt that they knew what rights they had. In England, South Korea, Israel and Germany less than half did so.

Levels of awareness of the children's rights convention also varied widely between countries with Germany, the lowest level of awareness, followed by the UK, Ethiopia, South Africa and South Korea. In only four countries (Norway, Colombia, Turkey and Estonia) did more than half of children say that they knew about the children's rights convention.

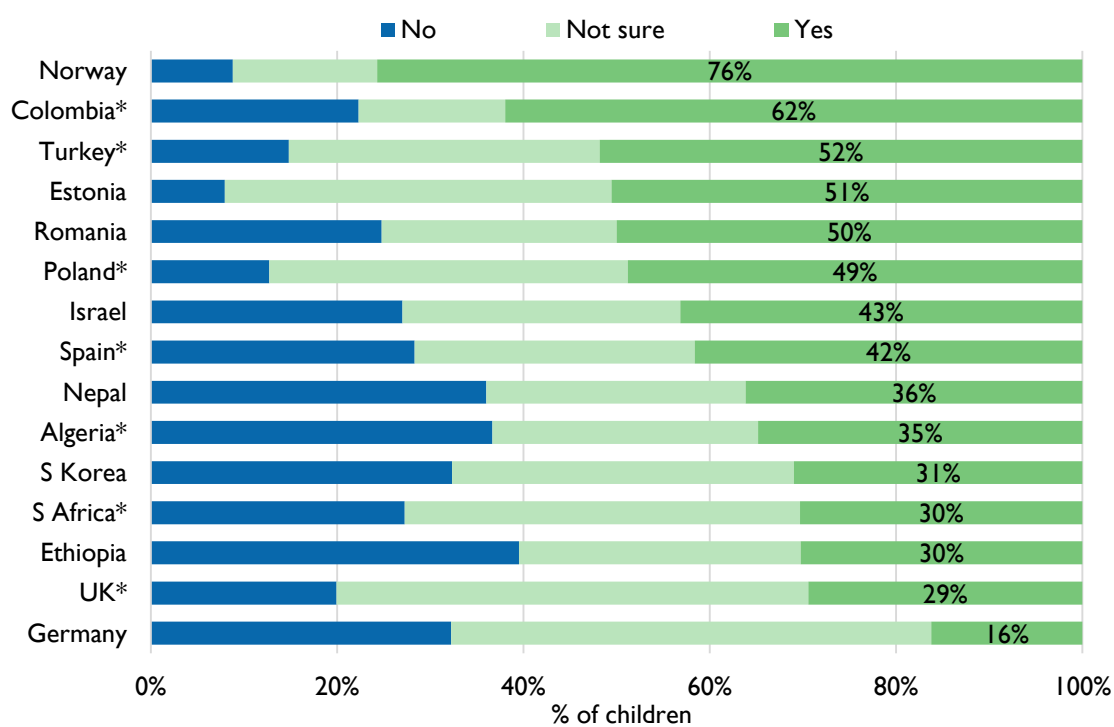
Finally in response to the question about whether adults respected children's rights, children in Norway had much higher levels of agreement (84%) than any other country. Excluding Norway, levels of agreement ranged from 33% in South Korea to 65% in Nepal.

Figure 74: Responses to 'I know what rights children have' by country



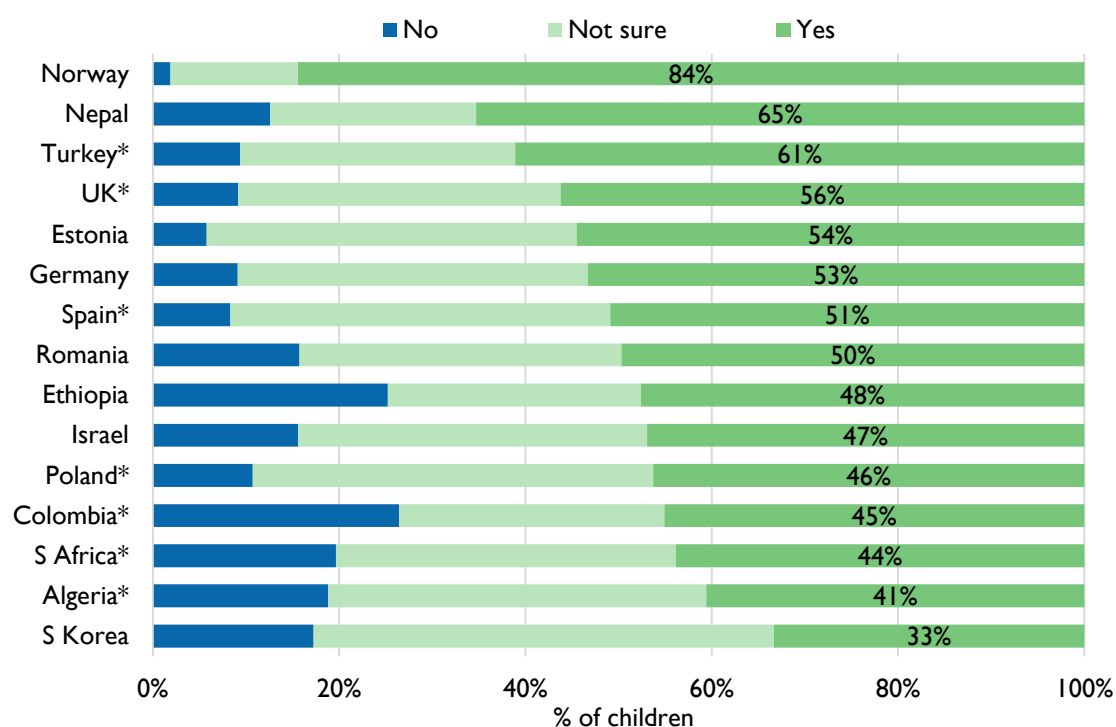
10 and 12 year old surveys, all countries, equally weighted by age group

Figure 75: Responses to 'I know about the children's rights convention' by country



10 and 12 year old surveys, all countries, equally weighted by age group

Figure 76: Responses to 'I think, in my country, adults in general respect children's right' by country



10 and 12 year old surveys, all countries, equally weighted by age group

Variations by country and age group: adults respecting children's rights

Given the substantial variations both by country and by age group in the proportion of children feeling that adults in their country respect children's rights it is interesting to consider these two issues jointly.

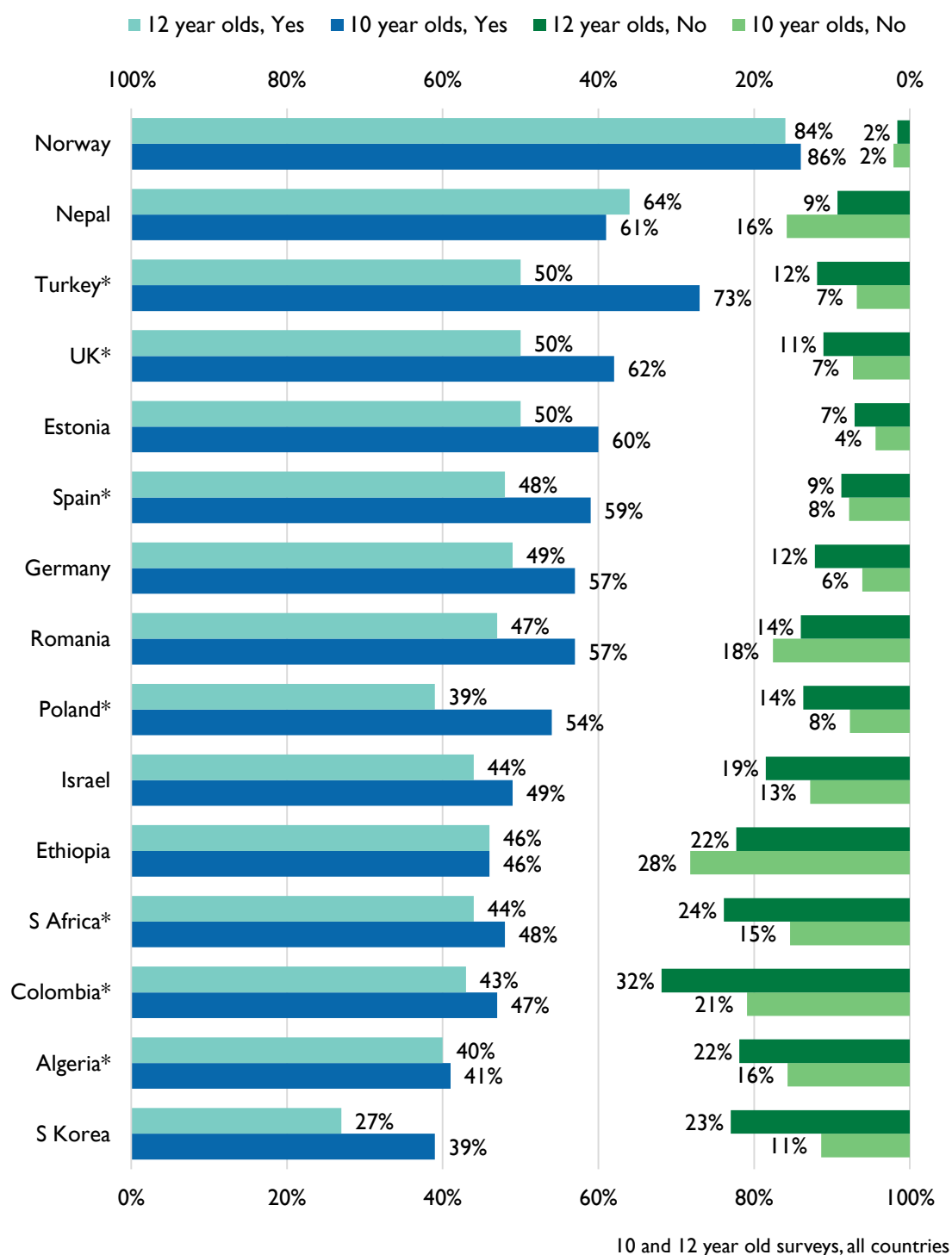
The chart below shows both the proportion of children who answered 'yes' to this question in each country and age group (the bars on the left) and the proportion of children who answered 'no' to this question (the bars on the right). The reason for showing both is that are different interpretations depending on which statistic is being considered.

It is apparent that the overall age group differences summarised above mask considerable variation in age-related patterns between countries

- The drop in percentage of children saying 'yes' to this question between the two age groups was 23% in Turkey (from 73% of 10-year-olds to 50% of 12-year-olds)
- In six other countries – UK, Estonia, Spain, Romania, Poland and South Korea – the percentage dropped by more than 10% between the two age groups. Germany was not far behind with an 8% drop
- In other countries – Norway, Israel, South Africa, Colombia and Algeria - there was less evidence of an age pattern in the proportion responding 'yes'
- In Ethiopia there was no difference in the percentage of children saying 'yes' to this question in the two age groups

- Finally, in Nepal there was a slight increase (61% to 64%) in the percentage across the two age groups.
- The result of these fluctuations is that, for example, Poland ranks 9th highest in terms of 'yes' responses among 10-year-olds but 14th highest among 12-year-olds.

Figure 77: Variations in views about whether adults respect children's rights by country and age group



Turning to the proportion of children saying 'no' to the question. The patterns here are similar but with some differences – which are a result of variations in the proportion of children selecting the 'don't know' option across countries and age groups:

- In a few countries – Germany, Poland and South Korea – the percentage of children saying 'no' to the statement about adults respecting children's rights roughly doubles between the two age groups.
- In several other countries – e.g. Israel, Colombia and Algeria – there are also substantial leaps in the percentage of children answering 'no' between the ages of 10 and 12.
- On the other hand in four countries – Nepal, Ethiopia, Romania and (based on a very small percentage) Norway – there is a drop in the percentage of children's answering 'no' at the age of 12 compared to at the age of 10.

In summary, this analysis has shown substantial differences across countries in the way that children's views of adults' respect for children's rights varies by age. It suggests that in some countries children aged 12 have a substantially poorer view of adults than children aged 10 whereas in other countries this age pattern is not evident. It would require further research with a wider age range to explore how children's views on this matter vary during adolescence.

Summary and discussion

Children's responses to the three questions considered in this chapter show substantial variations in knowledge about children's rights and in opinions about adults' respect for these rights between the 15 countries covered in this survey. The table below provides a summary of the between-country comparisons based on the rankings of each country on the three questions.

This illustrates some differences in rankings according to knowledge compared to opinions about adults. Children in Norway and Turkey rank highly on both of these aspects; while children in Algeria and South Korea rank relatively low for both. Some countries – e.g. UK and Germany – rank low for knowledge but higher in terms of children's opinions about adults' respect of children's rights. In these cases it is not clear how reliable children's opinions of the latter are, if they do not feel confident in knowing what their rights are. In contrast, in Colombia for example, children feel that they know what their rights are but, in relative terms, are less positive about adults' respect for these rights.

The analysis in this chapter also highlights age-related differences in responses to these questions. Overall, the older children (aged around 12) tend to feel that they know a little more about their rights than the younger age group (around 10 years old) but also feel less positive about adults' respect for their rights. However this pattern is not uniformly in evidence across all countries and this points to the potential for further analysis of cross-national differences in children's experiences and views about this topic.

Table 26: Country ranking³² for each children's rights question

	Know about rights	Know about UN convention	Adults respect child rights	Mean ranking
Norway	1	1	1	1.0
Turkey*	5	3	3	3.7
Nepal	4	9	2	5.0
Poland*	3	5	9	5.7
Colombia*	2	2	13	5.7
Romania	6	4	8	6.0
Estonia	9	6	5	6.7
Spain*	11	8	6	8.3
Ethiopia	7	11	11	9.7
Israel	13	7	10	10.0
South Africa*	8	12	12	10.7
UK*	15	14	4	11.0
Germany	12	15	7	11.3
Algeria*	10	10	14	11.3
South Korea	14	13	15	14.0

10 and 12 year old surveys, all countries, equally weighted by age group

³² Based on percentage of 'Yes' responses

Chapter 13

Time use

Overview

Questions about time use were asked in four different sections of the questionnaire as follows:

- Three frequency questions relating to family
- Three frequency questions relating to friends
- A list of ten frequency questions on a range of topics in a specific section on time use
- Two satisfaction questions

The question wordings are shown on the next page. Levels of missing data ('Don't know' responses and blank responses) were below 5% for all questions. The following analysis excludes these responses.

A summary of responses to the frequency questions is shown in Tables 25 to 27.

- For the three family time use questions almost two-thirds of children said that they spent time talking together with family every day and over one-third said that they had fun with family and spent time learning with family every day.
- For the three friends time use questions the balance was slightly different with a higher frequency of having fun together and a lower frequency of studying together.
- Doing homework was the most common activity in the list of ten general items – with 79% of children doing this every day or almost every day.
- The next most common activity was watching television.
- By far the least common activity was organised leisure activities which only 12% of children did every day or almost every day.

Exploratory factor analysis of the ten general time use frequency questions was undertaken³³ and suggested that there are three groupings of variables:

- Group 1 (Relaxing): 'Watching TV', 'Using a computer' and 'Just being by myself'.
- Group 2 (Being active): 'Taking classes outside school time', 'Organised leisure time activities' and 'Playing sports or doing exercise'.
- Group 3 (Working and caring): 'Doing homework', 'Helping with housework' and 'Taking care of family members'.

'Reading for fun' did not fit neatly into one grouping but was most strongly associated with Group 3.

³³ Using both Principal Axis Factoring and Principal Components Analysis

This analysis would need further testing on a country-by-country basis so we have not created summary scores for each factor, but in the rest of this chapter have presented the activities in this order so that any similarities of findings within groups of activities can be identified.

Box 12: Questions about time use

Family questions

How often in the past week have you spent time doing the following things with your family?

- Talking together
- Having fun together
- Learning together

Responses were on a four-point frequency scale from 'Not at all' to 'Every day', plus 'Don't know'

Friends questions

How often in the past week have you spent time doing the following things with your friends apart from at school?

- Talking together
- Having fun together
- Learning together

Responses were on a four-point frequency scale from 'Not at all' to 'Every day', plus 'Don't know'

General time use questions

How often do you usually spend time doing the following activities when you are not at school?

- Taking classes outside school time on matters different than at school
- Participating in organised leisure-time activities*
- Reading for fun (not homework)
- Helping around the house
- Doing homework
- Watching TV or listening to music
- Playing sports or doing exercise
- Using a computer
- Spending time just being by myself*
- Taking care of brothers or sisters or other family members*

Responses were on a four-point frequency scale from 'Rarely or never' to 'Every day or almost every day', plus 'Don't know'

The three items marked with a * were only asked in the questionnaire for 12-year-olds.

Satisfaction questions

How satisfied are you with ..

- How you use your time
- What you do in your free time

Responses were on a unipolar, 11-point scale from 0-10, with 0 labelled as 'Not at all satisfied' and 10 labelled as 'Totally satisfied'.

Table 27: Frequency questions about time with family

	Not at all	Once or twice	Most days	Every day
Talking together	3%	12%	23%	62%
Having fun together	6%	21%	38%	35%
Learning together	12%	22%	30%	36%

10 and 12 year old surveys, all countries, equally weighted by age group and country

Table 28: Frequency questions about time with friends

	Not at all	Once or twice	Most days	Every day
Talking together	5%	15%	27%	53%
Having fun together	7%	17%	32%	43%
Meeting to study	39%	30%	17%	14%

10 and 12 year old surveys, all countries, equally weighted by age group and country

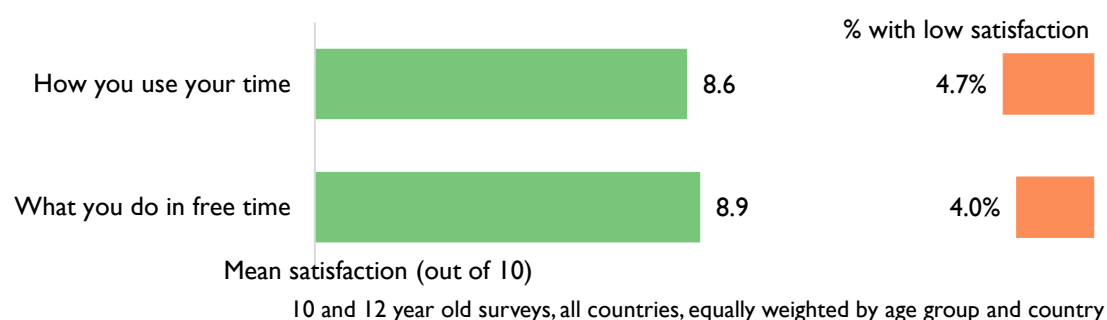
Table 29: General time use questions

	Rarely or never	Less than once a week	Once or twice a week	Every day or almost
Watching TV / Listening to music	6%	6%	18%	69%
Using a computer	22%	11%	25%	42%
Spending time by one's self	21%	19%	27%	33%
Taking classes outside school time	28%	10%	33%	29%
Organised leisure-time activities	55%	13%	20%	12%
Playing sports / Doing exercise	9%	10%	30%	51%
Doing homework	3%	5%	15%	78%
Helping around the house	7%	10%	29%	53%
Taking care of family members	29%	13%	21%	38%
Reading for fun	22%	15%	27%	36%

10 and 12 year old surveys, all countries, equally weighted by age group and country
Items 2, 9 and 10 only asked of 12-year-olds

A summary of responses to the two satisfaction questions for the whole data set is shown in the chart below. Less than one in 20 children had low satisfaction with these two aspects of life.

Figure 78: Satisfaction questions about time use



Variations by country

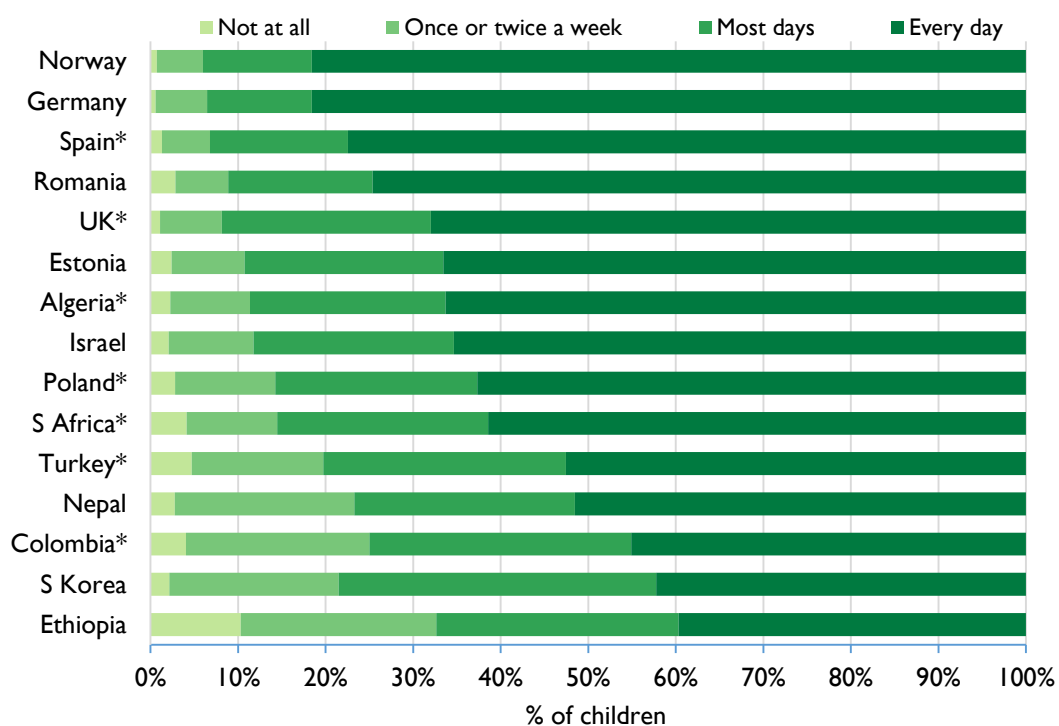
The charts on the following pages, provide country-by-country breakdowns of the responses to each of the 18 questions considered in this section.

A visual inspection of the first six charts, covering time spent with family and friends, based on the proportion of children who said that they spent time every day on particular activities suggests some interesting patterns:

- The lives of children in Nepal appear to be quite family-focused, with children being more likely to spend time on the three activities with family every day than the similar set of activities with friends.
- The country with the strongest focus on time spent with friends is South Africa.
- Children in Norway, Germany and Spain report the greatest frequency of talking to family. But the same is not true for the two other family activities questions where these countries are lower in the rankings.
- Children in Algeria, in comparison with the other countries, most frequently spend time having fun with family and learning together with family.
- The frequency of spending time studying with friends is highest in the three African countries. The six countries where this activity is least common are all in Europe.

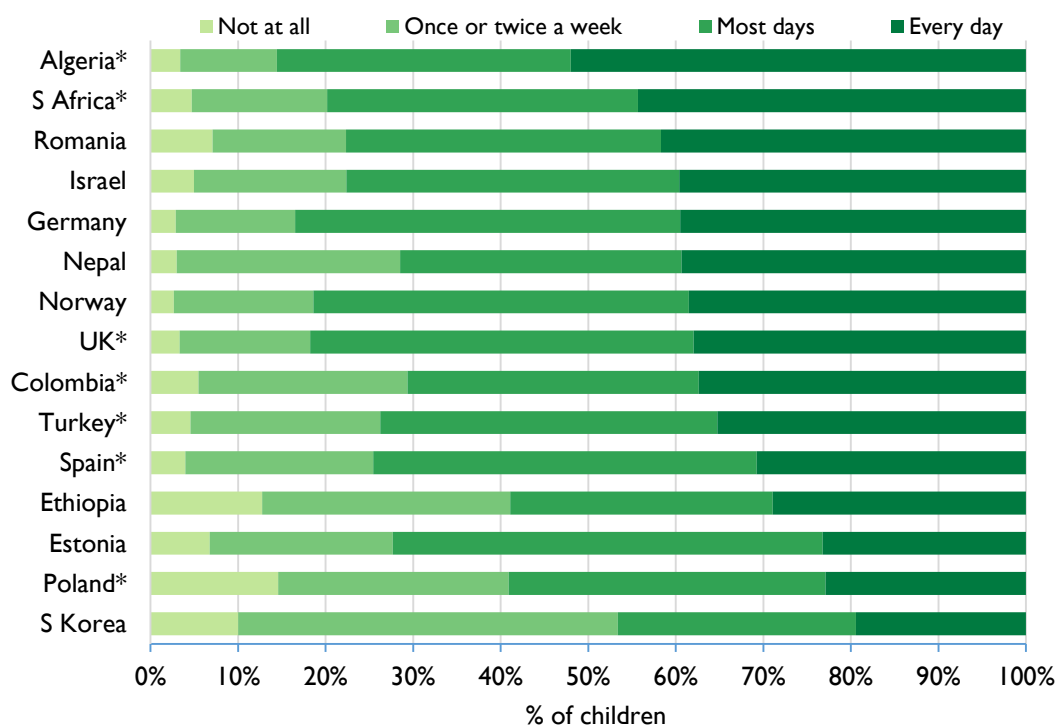
The next ten charts relate to the general time use questions and are discussed further following the charts.

Figure 79: Frequency of 'Talking together with family' by country



10 and 12 year old surveys, all countries, equally weighted by age group and country

Figure 80: Frequency of 'Having fun together with family' by country



10 and 12 year old surveys, all countries, equally weighted by age group and country

Figure 81: Frequency of 'Learning together with family' by country

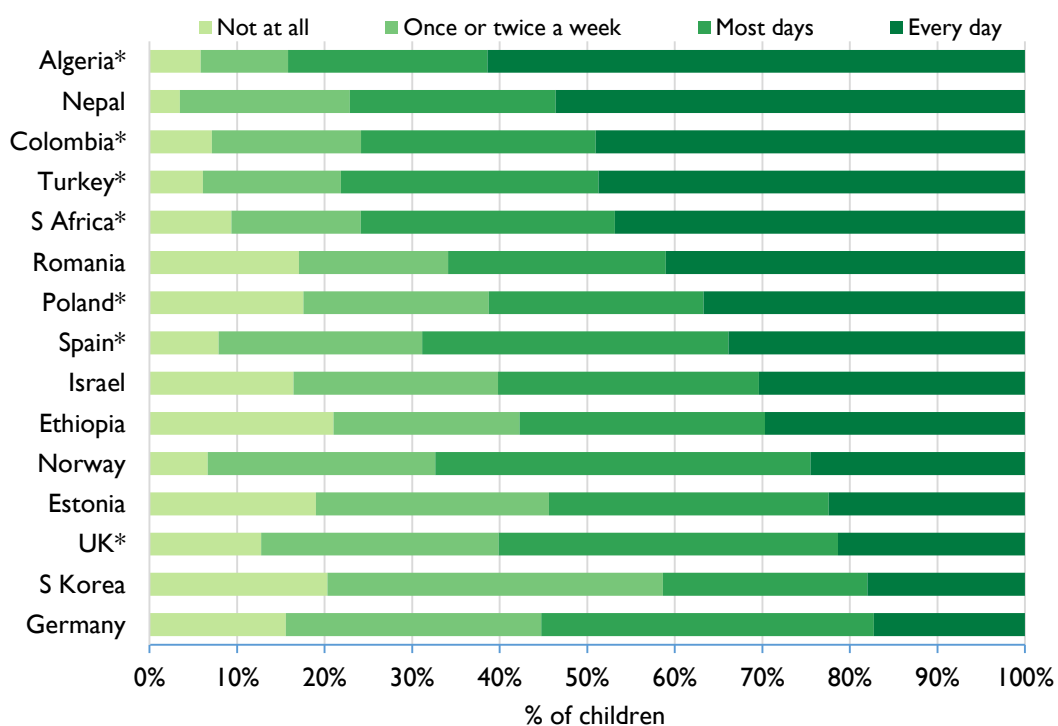


Figure 82: Frequency of 'Talking together with friends' by country

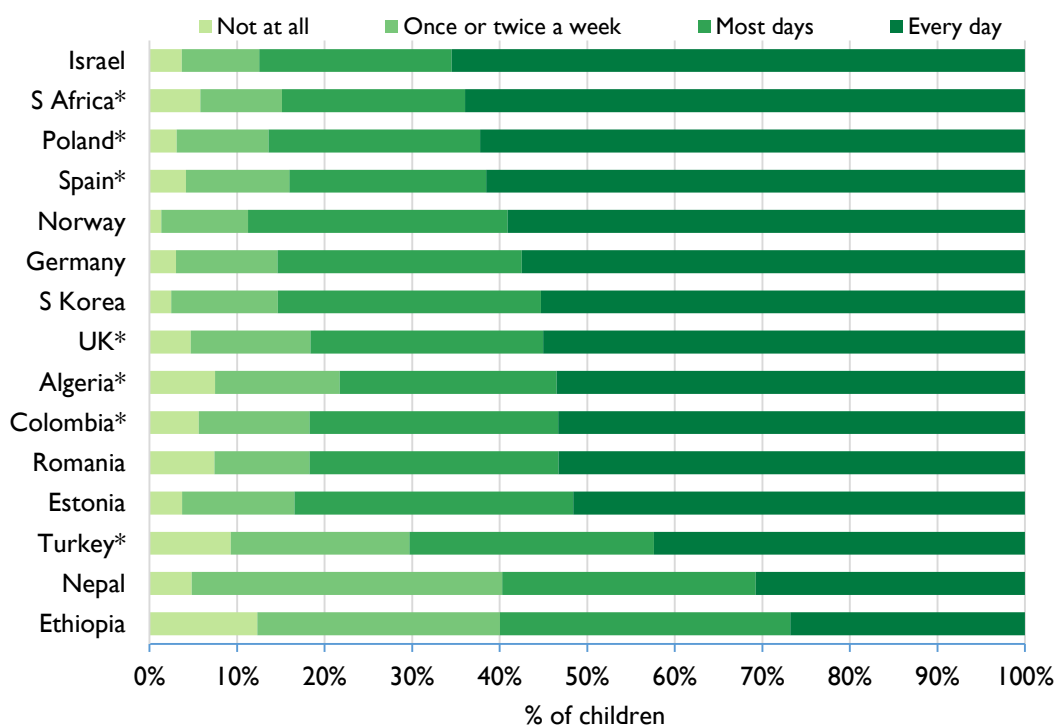
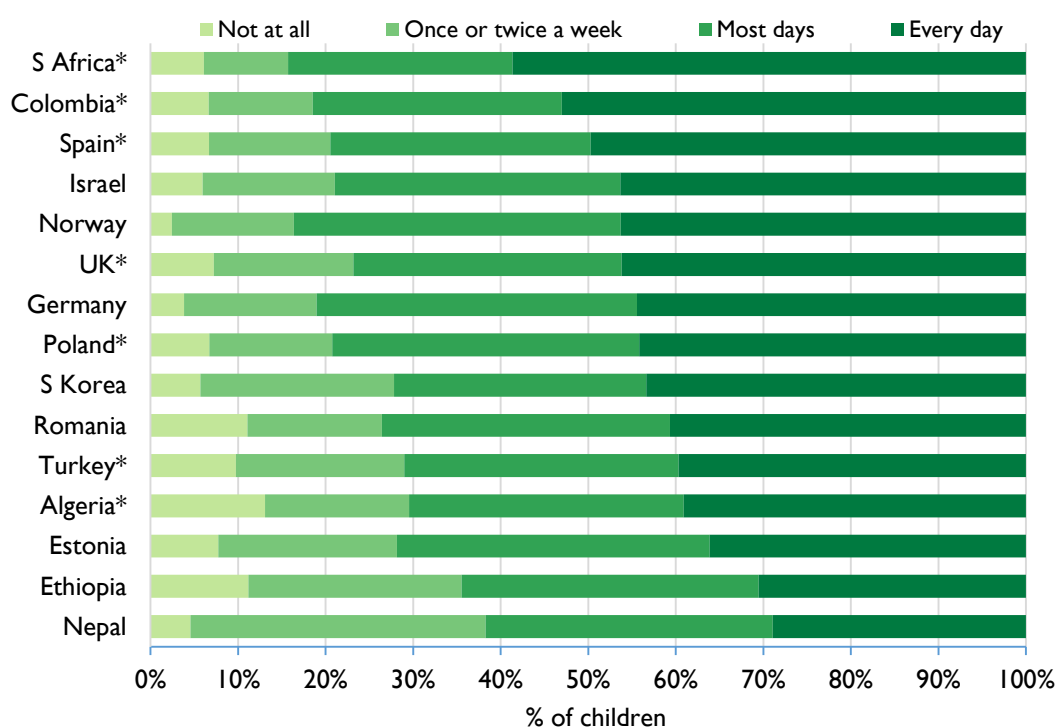
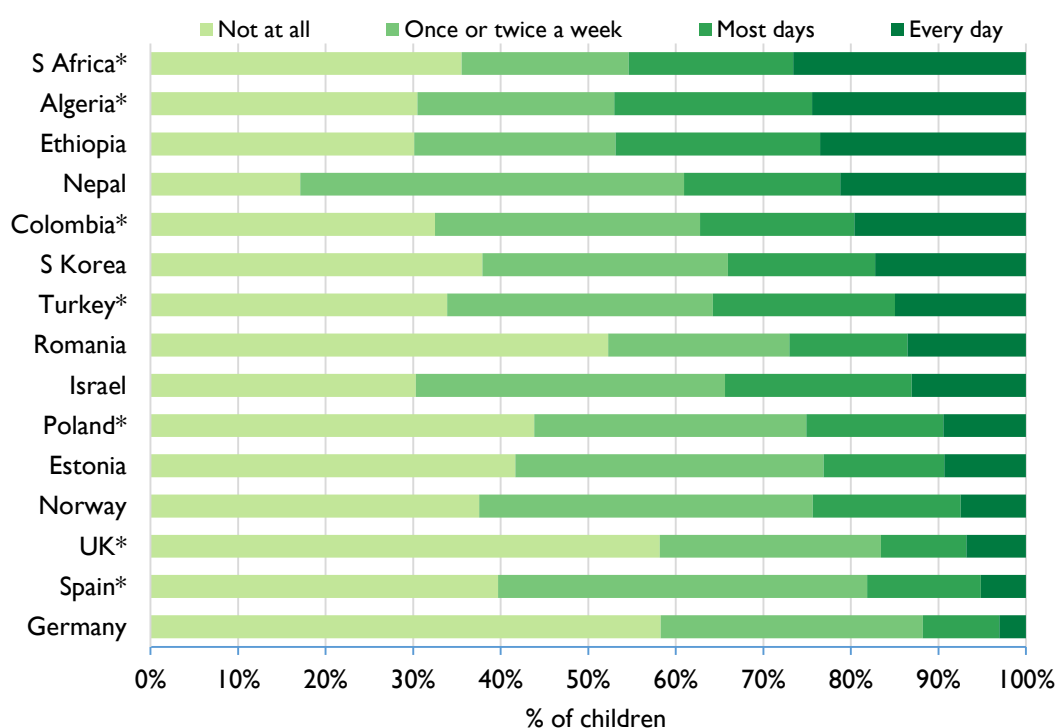


Figure 83: Frequency of 'Having fun together with friends' by country



10 and 12 year old surveys, all countries, equally weighted by age group and country

Figure 84: Frequency of 'Meeting to study with friends' by country



10 and 12 year old surveys, all countries, equally weighted by age group and country

Figure 85: Frequency of 'Watching TV or listening to music' by country

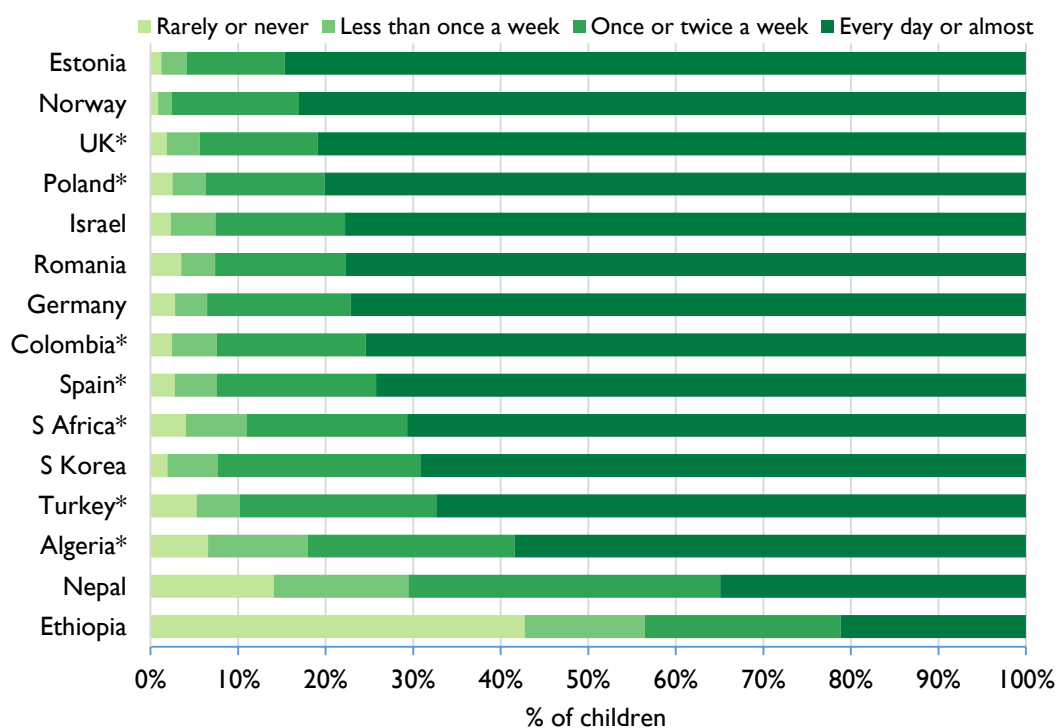


Figure 86: Frequency of 'Using a computer' by country

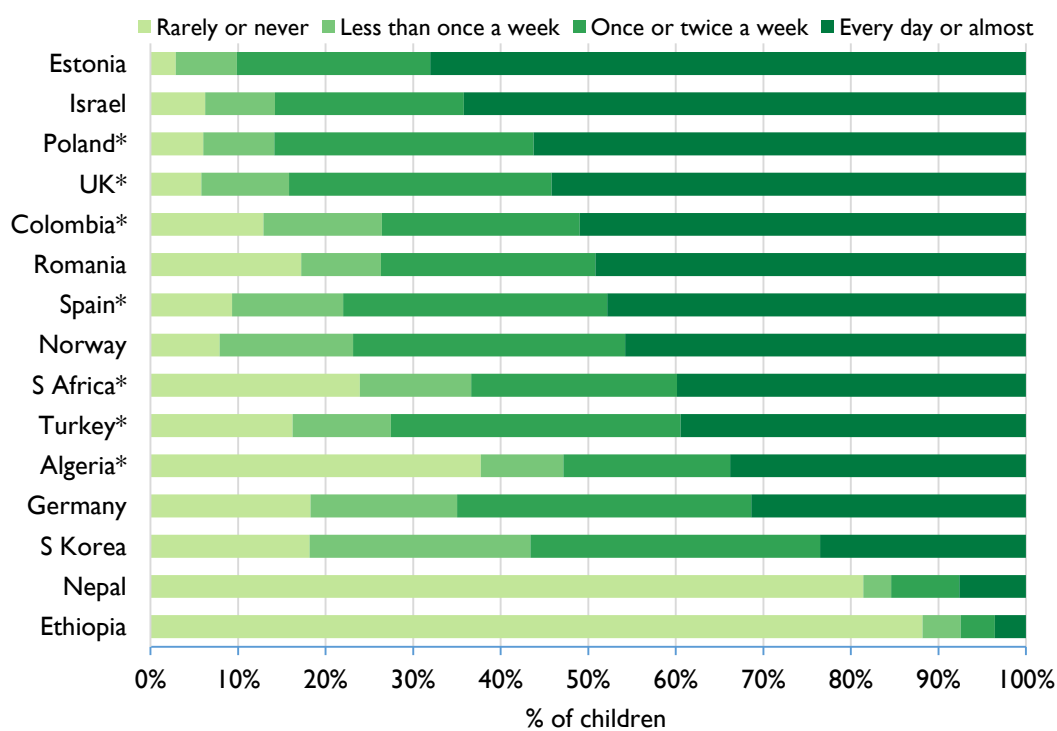


Figure 87: Frequency of 'Just being by myself' by country

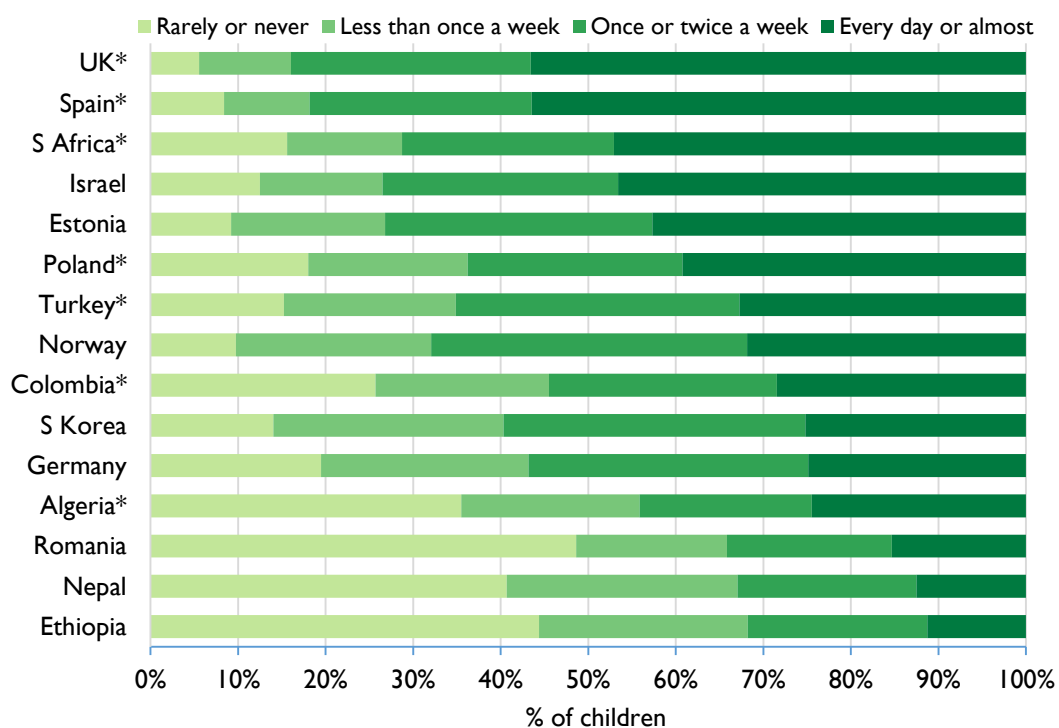


Figure 88: Frequency of 'Taking classes outside school time' by country

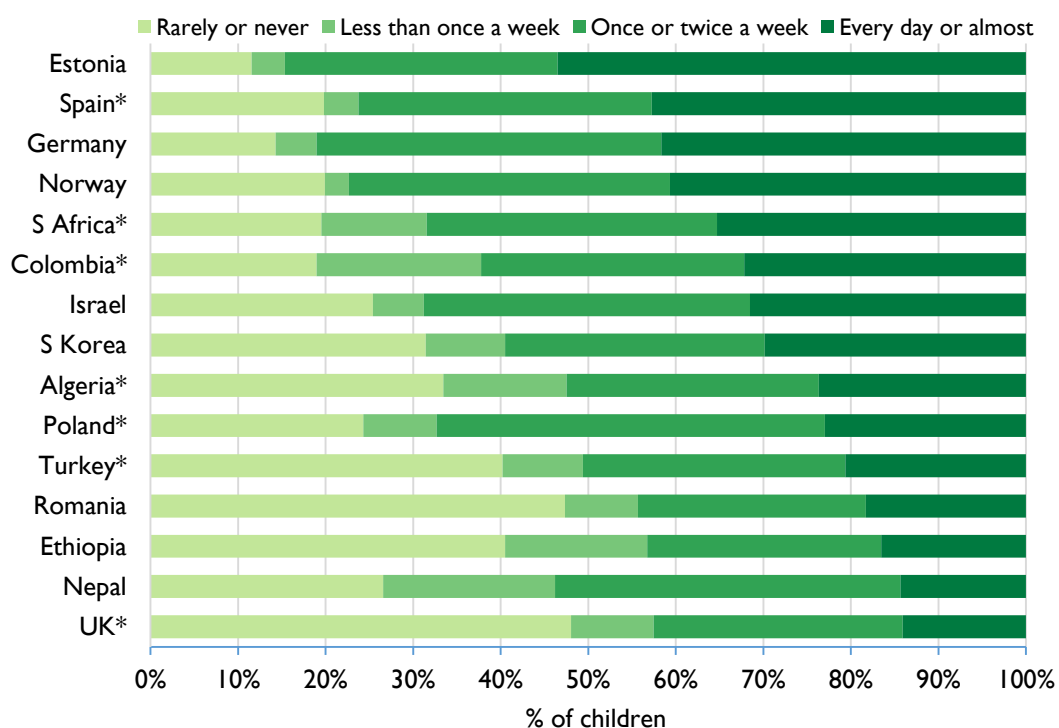
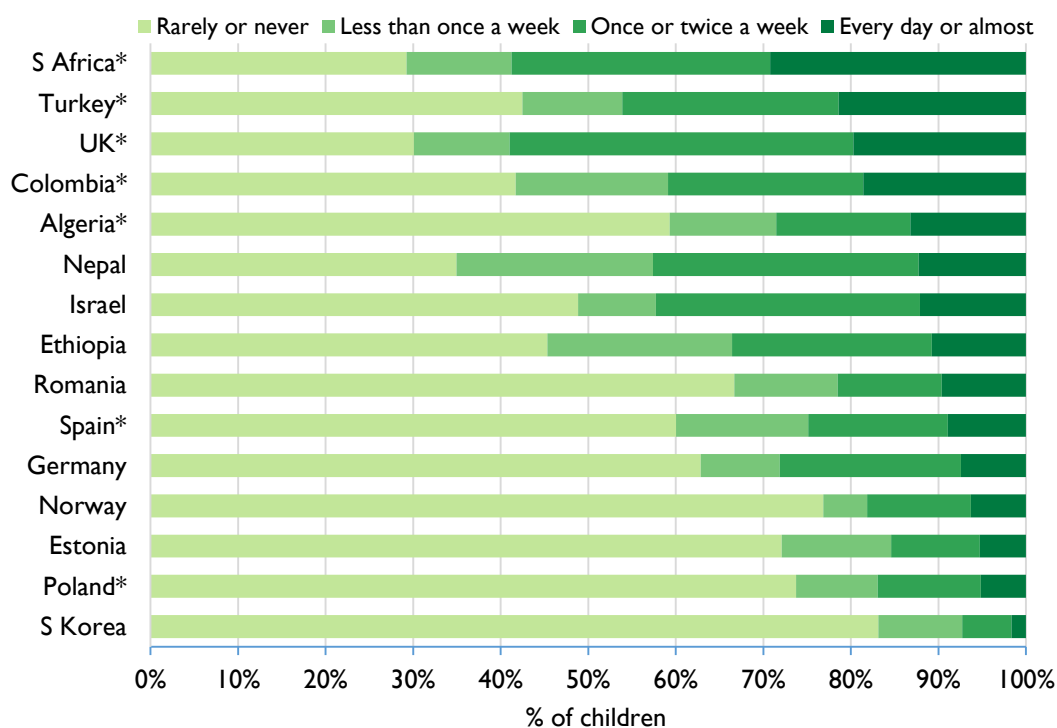
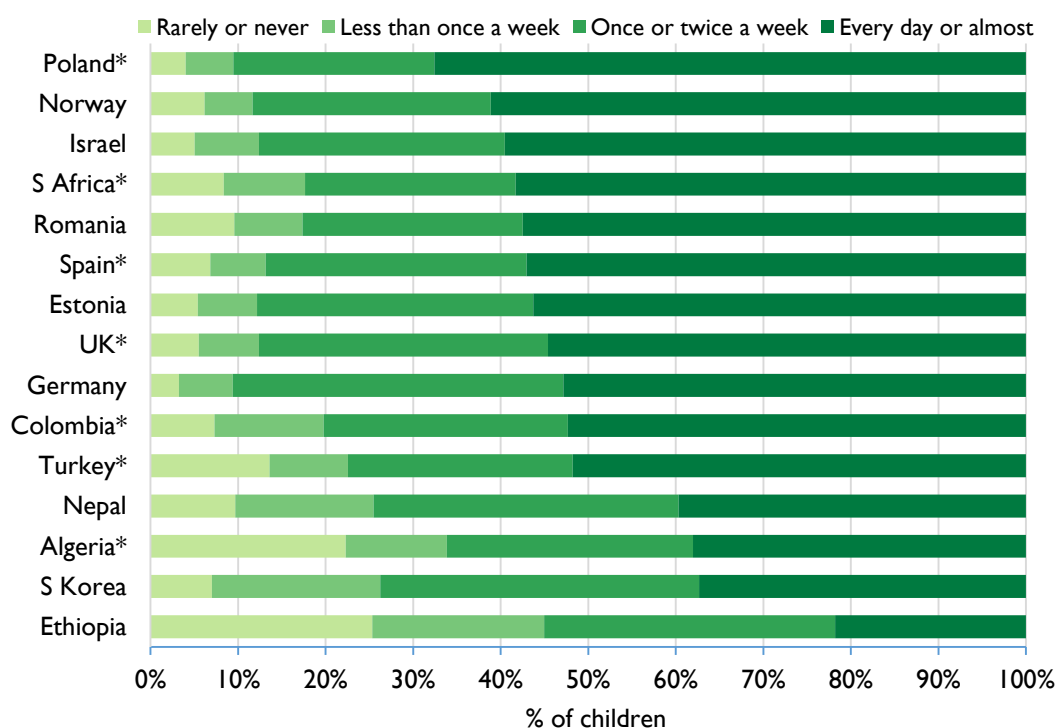


Figure 89: Frequency of 'Participating in organised leisure-time activities' by country



10 and 12 year old surveys, all countries, equally weighted by age group and country

Figure 90: Frequency of 'Playing sports or doing exercise' by country



10 and 12 year old surveys, all countries, equally weighted by age group and country

Figure 91: Frequency of 'Doing homework' by country

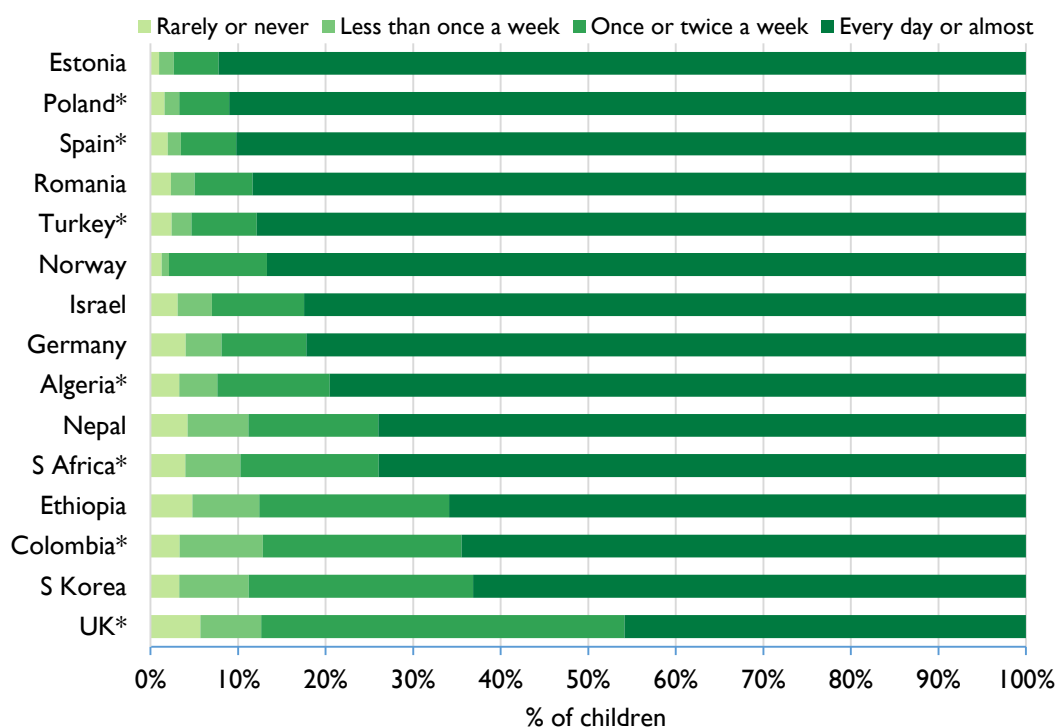


Figure 92: Frequency of 'Helping around the home' by country

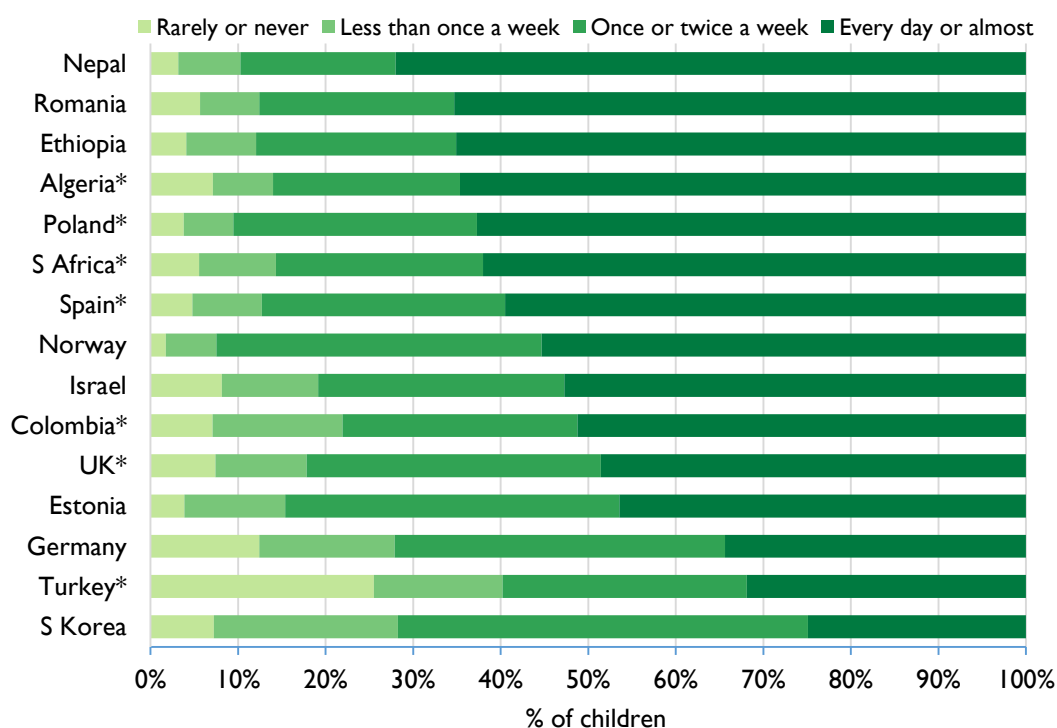


Figure 93: Frequency of 'Taking care of brothers, sisters and other family members' by country

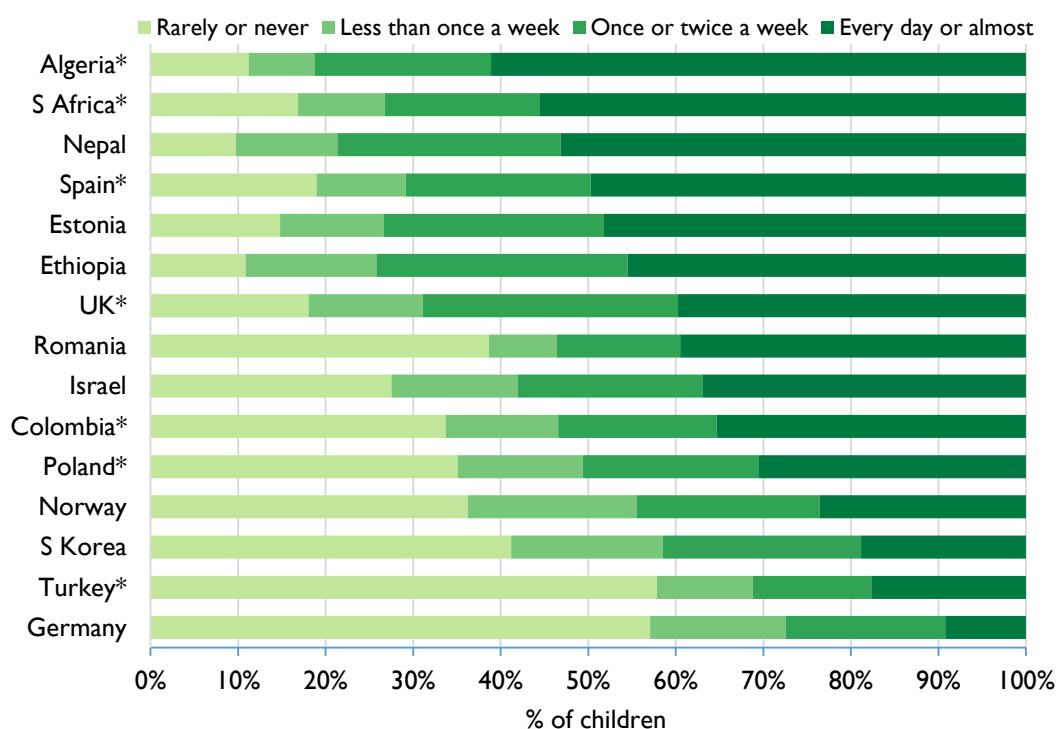
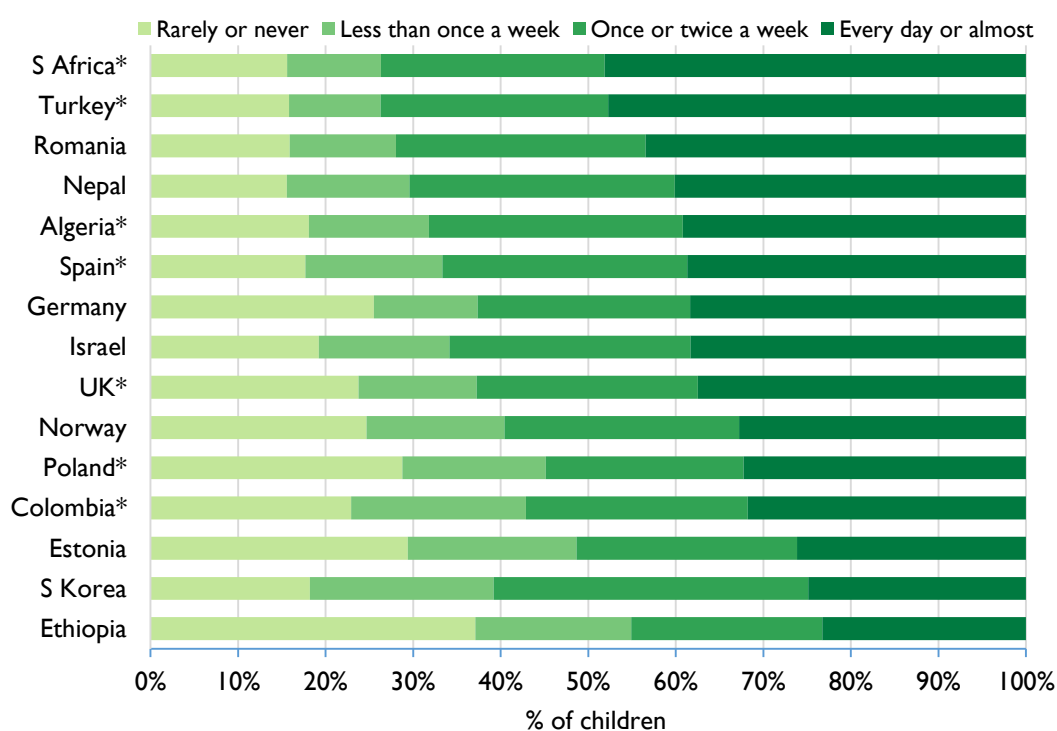


Figure 94: Frequency of 'Reading for fun (not homework)' by country



The patterns for the ten questions about general time use, shown in the charts above, are summarised in terms of rankings in the table below. For example, in comparison with the other countries:

- Children in Estonia watch television and use computers most frequently. They also do homework more frequently than children in the other 14 countries. On the other hand they infrequently read for fun.
- Children in Algeria spend most time taking care of siblings and other family members. They play sports, watch television and use computers less often than children in most of the countries surveyed.
- Children in Nepal do housework most often of the 15 countries and children in Ethiopia second most often. Children in these two countries also watch television and use computers less often than children in the other 13 countries.
- Children in England spend most time just being by themselves and have the lowest frequency of doing homework and taking classes outside school.
- Children in South Africa spend most time doing organised leisure activities.
- Poland is the country where children most frequently play sports and exercise.

Table 30: Rankings³⁴ of frequencies of each activity by country

	TV	Comp- uter	By self	Classes	Org. leisure	Sports/ Exercise	Help house	Care family	Home work	Reading for fun
Algeria*	13	13	12	10	8	14	5	1	9	5
Colombia*	8	6	11	6	5	10	10	10	13	11
Estonia	1	1	5	1	12	5	12	5	1	14
Ethiopia	15	15	15	13	7	15	2	4	12	15
Germany	7	11	10	2	10	7	13	15	8	9
Israel	6	2	3	7	6	3	9	8	7	7
Nepal	14	14	13	11	3	12	1	2	10	4
Norway	2	7	6	4	14	2	8	12	6	10
Poland*	4	3	7	8	13	1	4	11	2	13
Romania	5	8	14	14	11	9	3	9	4	3
S Africa*	10	10	4	5	1	6	6	3	11	2
S Korea	11	12	9	9	15	13	14	13	14	12
Spain*	9	5	2	3	9	4	7	6	3	6
Turkey*	12	9	8	12	4	11	15	14	5	1
UK*	3	4	1	15	2	8	11	7	15	8

10 and 12 year old surveys, all countries, equally weighted by age group

Findings such as these suggest important differences in the nature of children's everyday lives which are likely to be linked to cultural, economic, demographic and other differences between countries.

However, one of the challenges in this kind of international comparative work is taking account of possible cultural differences in response patterns to these types of questions, as well as differences that may result from translation of the questions into different languages. In

³⁴ Based on mean ranks calculated using a Kruskal-Wallis test.

relation to the ten questions about time use, there is some evidence of between-country differences in the reporting of frequencies across the ten questions. To illustrate this, we calculated mean scores across the ten questions using a coding from zero (rarely or never) to three (every day or almost) for each question. It is not strictly correct to treat the responses as scale variables in this way, so we have only done this to provide a simple rough comparison of response tendencies between countries. The results are shown in Table 31. It can be seen that there is evidence of variation in mean responses. Children in Spain tend on average to choose a response slightly above point 2 of the scale – which represents 'Once or twice a week'. Children in Ethiopia, on the other hand, tend to make responses much closer to point 1 on the scale which represents 'Less than once a week'.

As would be expected arithmetically, in general it can be seen from comparing these means with the statistics in Table 30 that the countries where children tend to report higher frequencies across the ten questions also tend to have higher rankings in aspects of time use.

Table 31: Variations in the mean response option selected by children in each country

Country	Mean response (0 to 3)
Spain*	2.14
S Africa*	2.13
Estonia	2.11
Israel	2.08
UK*	2.04
Colombia*	2.02
Norway	1.98
Poland*	1.98
Romania	1.86
Turkey*	1.83
Algeria*	1.82
Germany	1.82
Nepal	1.67
S Korea	1.60
Ethiopia	1.44

10 and 12 year old surveys, all countries, equally weighted by age group

There are various possible explanations for these different responses patterns. It may be that the questions are reflecting actual differences in time use on these particular activities across countries. One aspect of this is it may be that we have missed out important types of activities for children in some countries that take up substantial amounts of their time – for example, doing paid or unpaid work (see context box for further discussion). It should also be borne in mind that the type of response scale does not measure the amount of time spent on an activity but rather the number of days per week. So someone who only does an activity once or twice a week could spend a greater length of time per week on that activity than someone who does the activity more frequently (i.e. on more days of the week).

However, it could also be that the variations in Table 31 reflect variations in responses as a result of cultural tendencies or due to differences in the precise meaning of each response option in different languages.

Context 7

Countries: Algeria, Ethiopia

As for questions relating to family structure and material possessions, a challenge for the Children's Worlds survey was to identify a set of activities which covered a broad enough range of topics to provide a meaningful picture of how children spend their time, while avoiding selecting activities too specific to particular countries or cultures. Unsurprisingly, activities like watching TV and using a computer were far more common in richer countries where these resources are available to most children, and far less common in countries where they are in possession only of the comparatively privileged few. Perhaps more interestingly, we found that children in Algeria and Ethiopia especially seemed to spend more time on activities to help support their home and family – such as helping around the home, and caring for other people in their families – and less time on activities such as spending time with friends, than in many other countries. This finding may in part relate to our findings on household structure – for example as we noted earlier for children in South Africa, Algerian children tend to live in large, extended family groups, and parents may require children to contribute to family activities such as caring for younger siblings – research has found that a comparatively large proportion of mothers in Algeria leave young children in the care of older children. In Ethiopia, in rural settings in particular children are required to engage in helpful work such as fetching water and collecting firewood (for girls) and herding cattle or helping with farming (for boys). As a result, children have relatively little time to spend playing alone or with friends.

We cannot be sure from the survey data which of these (or other) explanations might account for the observed differences. As a result it may not be reliable to make between-country comparisons based on the absolute values of scores for each question. To try to address this issue, Table 32 shows a different approach to making between-country comparisons which tries to take into account the different response tendencies in each country as shown in Table 31.

Many of the patterns in Table 32 are the same or similar to those in Table 30.

For example, England still scores highly for children spending time by themselves and lowest for homework and taking classes outside school.

However, some of the patterns vary considerably. This is particularly the case for Ethiopia, South Korea and Nepal where children tend to report less frequency across all activities.

In Table 32, Ethiopia is the highest scoring country for housework (2nd in Table 30), caring for family (4th in Table 30) and homework (12th in Table 30). The large change in ranking for homework is partly due to the fact that there is relatively little difference between most of the countries in terms of reported frequencies for this activity, with the most common response being 'Every day or almost' in all countries (see Figure 91) so correcting the data for variations in response tendencies across countries has a greater impact on the rankings in this case.

It is not clear which of these two approaches is the most appropriate for making comparisons of time use across countries and it may be helpful to take the rankings both of absolute and relative values into account in drawing conclusions.

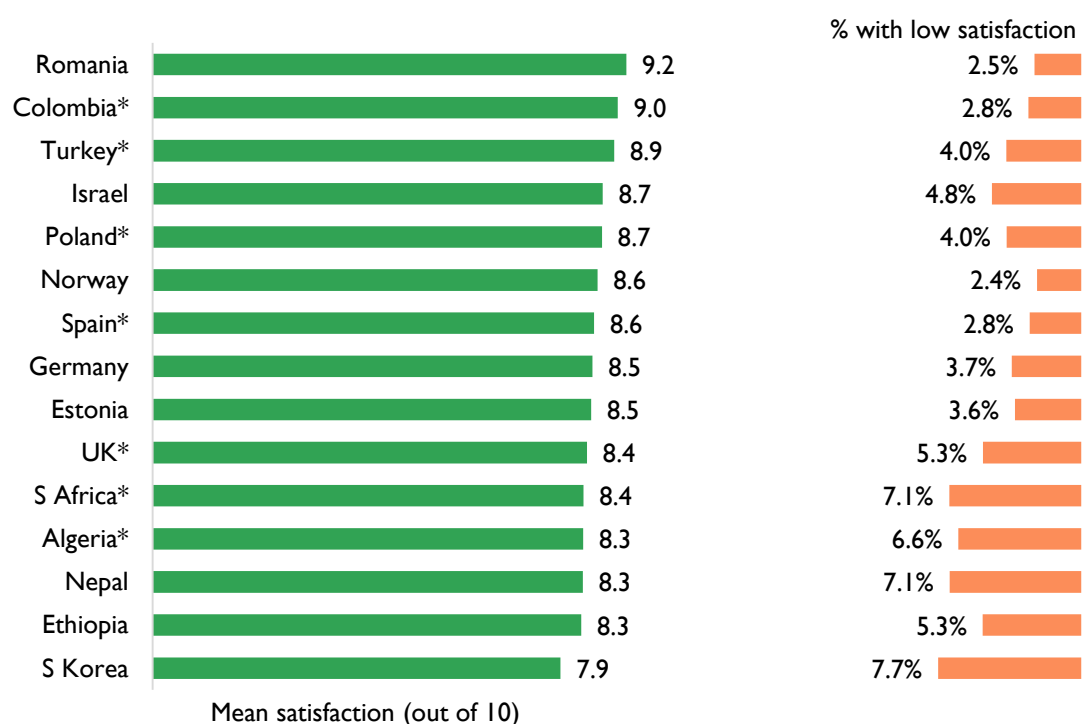
Table 32: Relative scores for general time use frequency questions

	TV	Com- puter	By self	Classes	Org. leisure	Sports/ Exercise	Help house	Care family	Home work	Reading for fun
Algeria*	0.97	0.84	0.80	0.90	0.95	0.85	1.10	1.43	1.04	1.11
Colombia*	1.05	1.14	0.91	1.06	1.30	1.00	0.96	0.91	0.92	0.92
Estonia	1.01	1.26	1.09	1.25	0.49	0.97	0.90	1.11	0.98	0.75
Ethiopia	0.65	0.17	0.76	0.97	1.47	0.90	1.44	1.65	1.23	0.98
Germany	1.11	1.01	0.98	1.33	0.85	1.12	0.88	0.49	1.05	1.03
Israel	0.98	1.22	1.11	0.98	1.08	1.00	0.91	0.92	0.94	0.96
Nepal	0.85	0.25	0.68	0.96	1.48	1.02	1.25	1.46	1.07	1.21
Norway	1.07	1.13	1.06	1.16	0.51	1.05	1.03	0.75	1.02	0.91
Poland*	1.04	1.24	1.04	0.98	0.52	1.10	1.05	0.84	1.03	0.86
Romania	1.10	1.16	0.61	0.73	0.74	1.07	1.11	0.95	1.08	1.16
S Africa*	0.92	0.88	1.07	1.02	1.60	0.94	0.95	1.14	0.87	1.05
S Korea	1.17	1.00	1.12	1.09	0.32	1.03	0.93	0.80	1.05	1.06
Spain*	0.95	1.06	1.21	1.10	0.74	0.96	0.95	1.08	0.96	0.95
Turkey*	1.05	1.11	1.11	0.83	1.46	1.01	0.76	0.56	1.09	1.21
UK*	1.02	1.19	1.28	0.62	1.56	1.00	0.91	1.06	0.80	0.93

10 and 12 year old surveys, all countries, equally weighted by age group

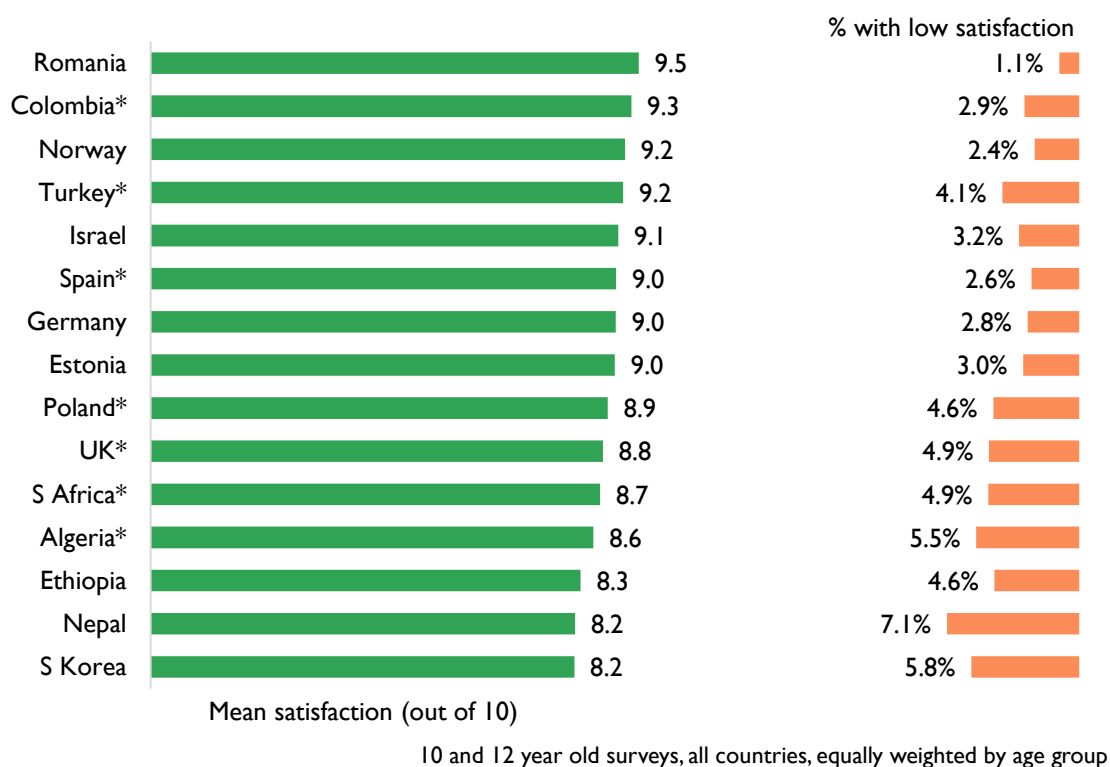
Finally in this section on between-country variations, the following two charts summarise the responses to the two satisfaction questions in each country. The patterns are very similar in response to both questions. In general, the relative satisfaction scores are roughly in line with those for overall well-being discussed in Chapter 13, so there is relatively little of note here.

Figure 95: Level of satisfaction with 'how you use your time' by country



10 and 12 year old surveys, all countries, equally weighted by age group

Figure 96: Level of satisfaction with 'what you do in your free time' by country

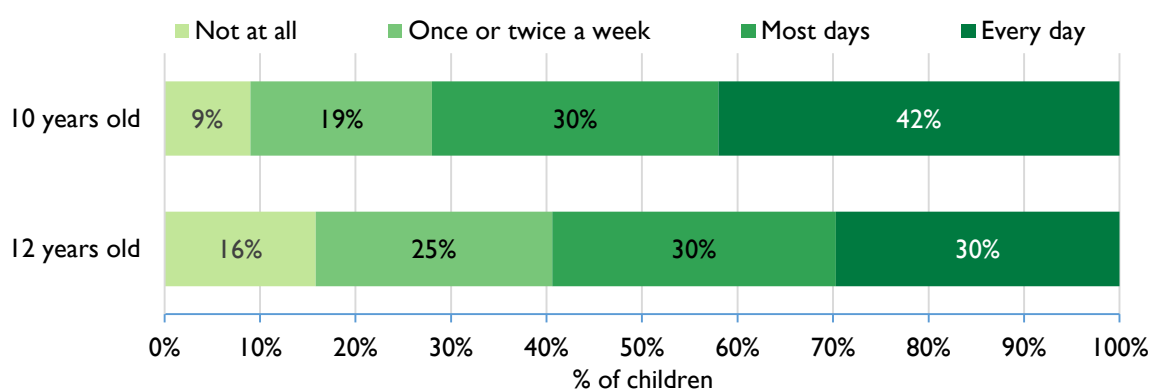


Variations by age group

There were fairly consistent age-related patterns of general time use across countries:

There was a significant drop in the frequency of spending time learning together with family between the 10-year-old and 12-year-old age groups.

Figure 97: Frequency of learning together with family by age group



10 and 12 year old surveys, all countries, equally weighted by age group and country

There was an age-related drop in frequency of this activity in every country, and significantly so in Estonia, Spain, Turkey, South Korea, Germany, Romania and Poland.

Overall, in terms of time with friends, there was a significant increase in time spent talking with and having fun with friends and a significant decrease in time spent studying together with friends. However these differences were not that large and were only significant within a few countries in the survey.

There were some more substantial and notable patterns in relation to three of the seven questions on general time use which were asked in both the 10-year-old and 12-year-old surveys. In particular:

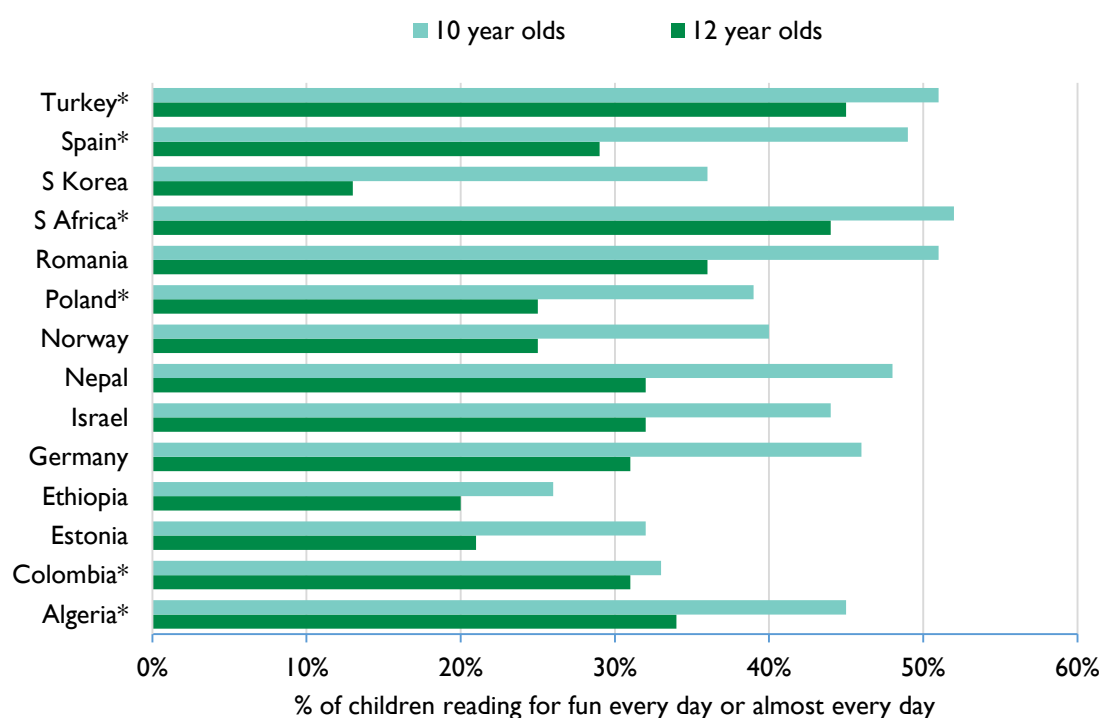
- 12-year-olds tended to more frequently watch TV and to use computers
- 10-year-olds tended to more frequently read for fun

These differences were not statistically significant in all countries.

There were few or no differences for the other four activities that were asked about in both the 10-year-old and 12-year-old questionnaire.

The decline in reading for fun between the 10-year-old and 12-year-old survey is particularly marked and is illustrated in the chart below which shows the proportion of children in each age group per country who said that they read for fun every day or almost every day.

Figure 98: Percentage of children who read for fun every day or almost every day by country and age group



10 and 12 year old surveys, all countries

Variations by gender

Overall, there were only small gender differences in the frequency of time spent on activities with family and friends. The largest difference was for spending time studying with friends. Girls tended to do this activity a little more than boys in most countries. The differences were

significant in Poland and Estonia. However this pattern was not in evidence in Algeria or South Africa where boys tended to spend more time on this activity than girls.

There were quite a few gender differences in terms of the more general questions about how children spend their time in different countries:

- Boys more frequently spent time than girls using computers and playing sports or exercising
- Girls more frequently spent time than boys helping with housework and reading for fun.

These general patterns held across all or almost all countries (although the differences were not always statistically significant based on the criteria discussed in Chapter 1). For example, a summary of gender differences in the frequency of helping with housework is shown in Figure 99. Girls were more likely to help with housework every day in all 15 countries in the survey. The countries are ranked in descending order of the size of the gender ratio. In Turkey girls were 1.36 times more likely to help with housework than boys, whereas in Nepal they were only 1.05 times more likely to do so.

Figure 99: Percentage of children helping with housework every day by gender and country

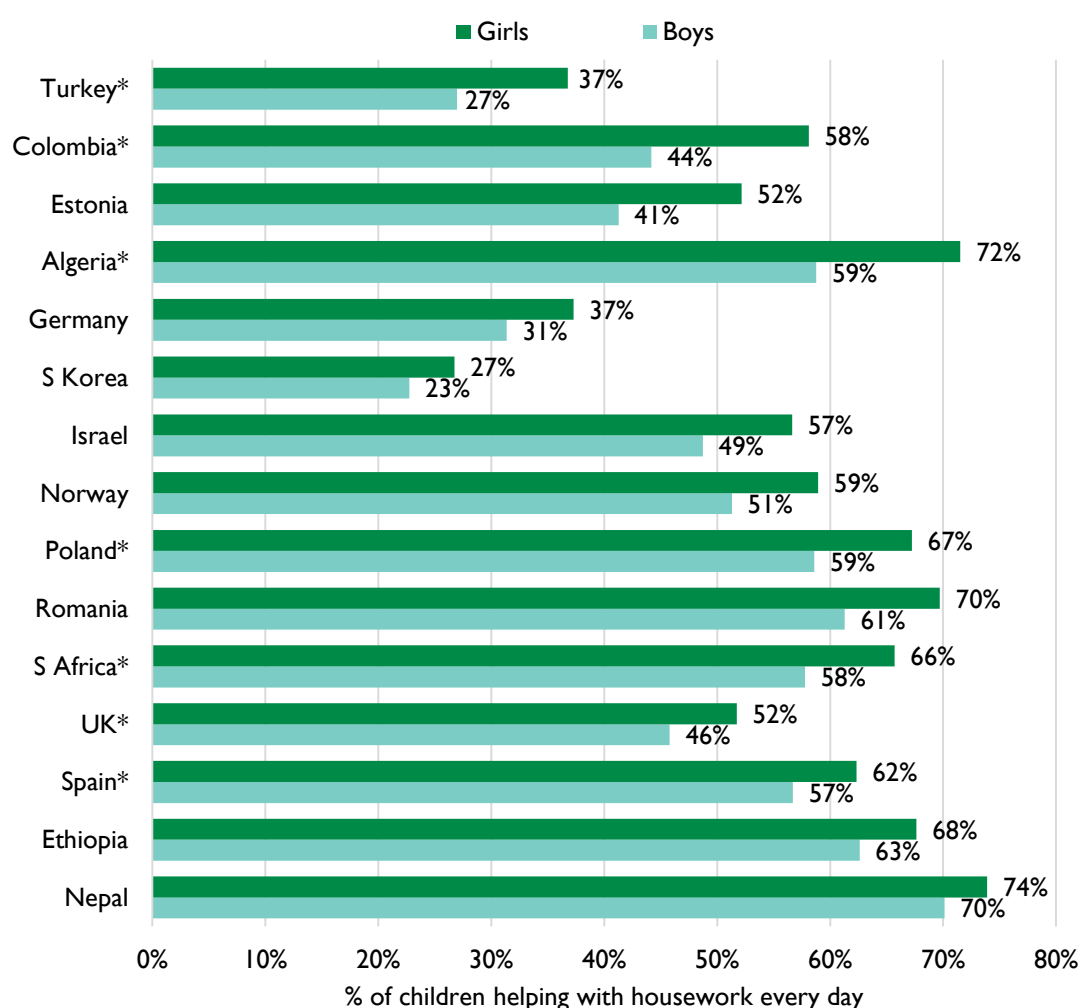
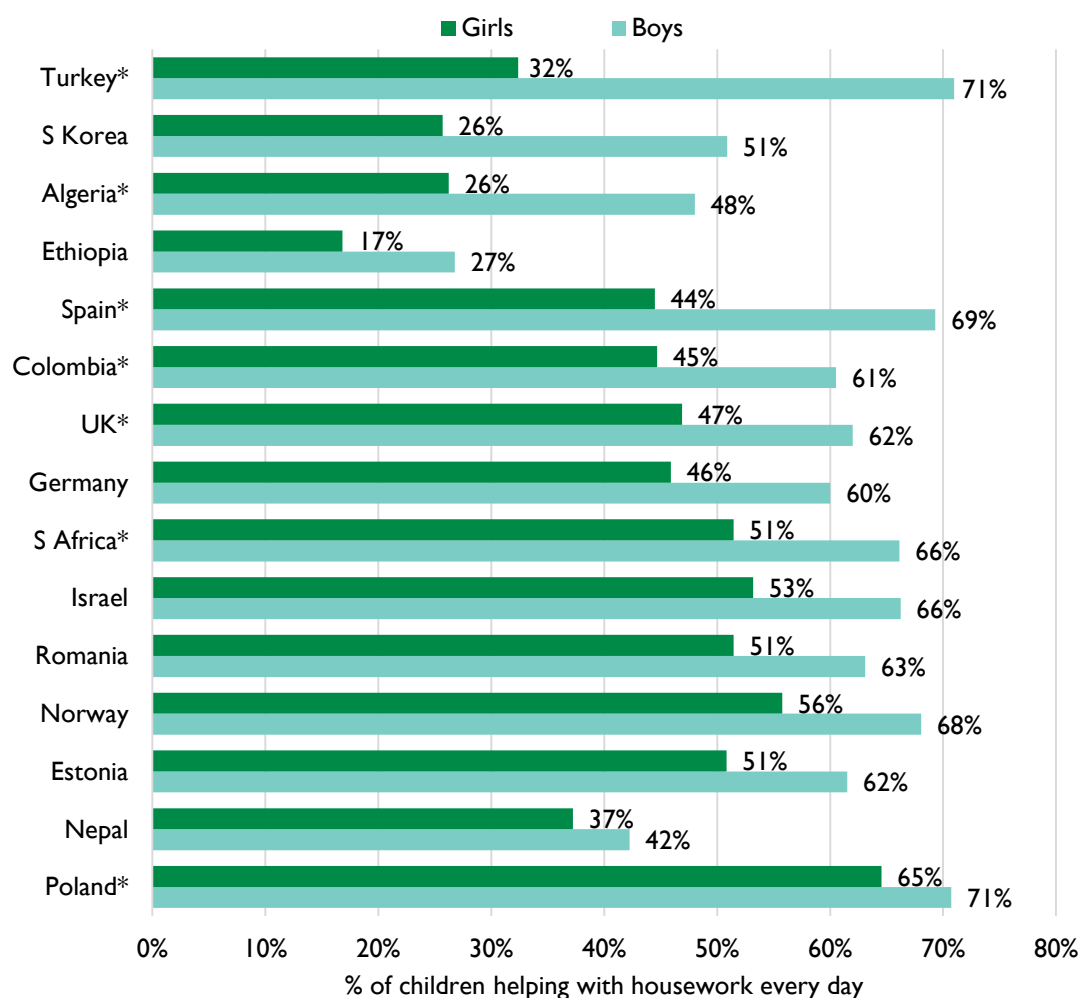


Figure 100 presents similar statistics for the percentage of children who played sports or exercised every day. Boys in Turkey were more than twice as likely to do this activity daily than girls, whereas in Poland there was very little gender difference.

Figure 100: Percentage of children playing sports or exercising every day by gender and country



Summary and discussion

This chapter has summarised a group of 16 questions asked in the survey regarding how children spend their time with family, friends and in general and two questions about satisfaction with time use. The findings presented in the chapter show considerable diversity and complexity.

For example, children in Nepal more frequently spend time talking and having fun with family than similar activities with friends, while the opposite is true for children in South Africa who spend more time on these activities with friends than children in other countries. Talking together with family is most common in Norway, Germany and Spain. Having fun and learning together is most common in Algeria. There were also indications of shifts in the frequency of activities with family and friends between age groups. Children in the 12-years-old

age group tended to spend less time learning together with family than children in the 10-years-old age group, and more time talking and having fun with friends.

The ten more general activities covered in this questionnaire paint a rich picture of the diversity in children's time use between countries. The highest rankings for frequency of these activities were seen in seven different countries. For example, children in Estonia tended to most frequently spend time on homework, while children in Poland most frequently played sports and exercised, and Algeria was the country where children most frequently cared for siblings and other family members. As well as the diversity of overall time use, there were also substantial age and gender variations in many countries. Older children (12-years-old survey) tended to more frequently watch TV and use computers, while younger children (10-years-old survey) more frequently read for fun. In many countries boys more frequently spent time using computers and playing sports or exercising, while girls more frequently spent time helping with housework. However, perhaps surprisingly, there was little evidence of gender variations in frequency of caring for siblings and other family members.

The above are only some selected findings from a very rich data set which offers great potential for further analysis. In addition to such analysis, some of the findings suggest that more work is needed to explore the types of activities that children undertake in different countries in order to compile a more comprehensive list of common activities for future research.

Chapter 14

Overview

In this chapter we draw together the findings presented in Chapters 4 to 13 on children's evaluations of their life as a whole and specific aspects of their lives, looking at variations between countries and according to gender and age group. In order to do this we have selected one main indicator from each chapter (apart from the children's rights chapter³⁵) as follows:

Table 33: Selected indicators for each aspect of life

Aspect	Indicator
Overall well-being	Satisfaction with your life as a whole
Family and home	Satisfaction with your family life
Money and possessions	Satisfaction with the things you have
Friends and other relationships	Satisfaction with your friends
School	Satisfaction with your life as a student
Local area	Satisfaction with your local area
Self	Satisfaction with your body
Time use	Satisfaction with how you use your time
Other aspects of life	Satisfaction with what may happen later in your life

These indicators were selected so that, where possible, they represented the broadest indicator available for the particular aspect of life and were available for all countries in the survey. The questions in the 'other aspects of life' category are very diverse and so we selected the question about the future because it captures a key aspect of well-being discussed in the literature and often included in indicator sets of people's overall well-being.

It is worth mentioning here that the division of the preceding chapters of the report into different aspects of life was derived originally from the early design and planning of the survey. This categorisation of aspects was based on prior research and knowledge among the core group designing the survey with the exception that 'self' and 'other aspects of life' were conceptually grouped together under a broader category of 'personal well-being'. Subsequently, the framework has been tested out through analysis of the pilot data³⁶ which has provided some support for the framework but also suggested the value of separating satisfaction questions relating to 'self' (i.e. health, appearance, body and self-confidence) from other more abstract questions about 'personal well-being' (e.g. safety, freedom and the future). Hence, this division into eight categories (plus overall well-being) is used in this report. It remains a question for future analysis with the current data set to establish whether this categorisation is the most appropriate one for the current data set as a whole and the extent to which this holds within each country individually.

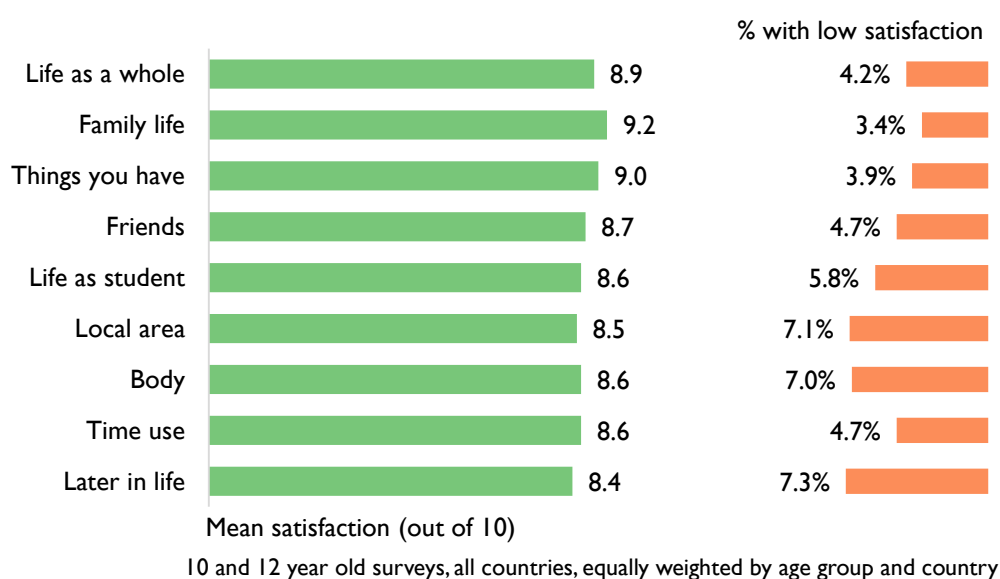
³⁵ We have not included children's rights in this chapter because the questions asked about this the topic do not lend themselves to comparison with the other aspects of life.

³⁶ Using exploratory factor analysis. A working paper will be published on the project website.

Figure 101 shows summary statistics for these nine indicators for the pooled data set (with each country and age group weighted equally):

- In terms of mean scores, children are most satisfied with their family lives (9.2), followed by the things that they have (9.0). Satisfaction with the remaining aspects of life is within a fairly close range from 8.4 to 8.7.
- There is a slightly different pattern for the percentages of children with low satisfaction. Three aspects of life – the future, local area and body – have percentages above 7%, followed by life as a student (5.8%). The remaining aspects lie between 3% and 5%.

Figure 101: Overview of selected satisfaction questions



Variations by country

The tables on the next two pages provide the mean scores and the percentage of children with low well-being for each key indicator in each country and then the relative scores.

Looking first at the mean scores:

- Romania scores highly on all indicators and Colombia and Turkey do so on most of them.
- South Korea scores low on all indicators and the UK and South Africa score low for all but one indicator each
- Some countries show greater fluctuations in ranking.
- Algeria is ranked in the top three countries for family life and life as a student but in the bottom three countries for material possessions and friends.
- Germany is in the top three countries for friends but in the bottom three for life as a student and local area

To enable more detailed comparisons, rankings of mean scores within each country for each aspect of life are shown in Table A1 in the Appendix, and some of the key patterns in this table are discussed further in the final chapter of the report.

Table 34: Key indicators – Summary of means by country for each question

	Family life	Things	Friends	Life as student	Local area	Time use	Body	The future	Life as a whole
Algeria*	9.53	8.10	8.51	9.32	8.23	8.34	8.76	8.93	9.13
Colombia*	9.40	9.45	8.72	9.16	8.95	9.02	9.47	9.24	9.42
Estonia	9.18	8.96	8.71	8.09	8.53	8.50	8.15	8.40	8.97
Ethiopia	8.44	7.20	8.23	9.01	8.02	8.31	8.69	7.71	8.63
Germany	9.02	9.19	9.07	7.94	7.82	8.53	8.05	8.95	8.82
Israel	9.36	9.40	8.83	8.41	8.82	8.72	9.15	8.72	9.20
Nepal	8.80	8.77	8.56	9.00	8.44	8.34	8.57	5.78	8.65
Norway	9.31	9.46	9.22	8.74	9.36	8.62	8.26	8.86	9.00
Poland*	9.19	9.27	8.52	8.05	8.70	8.71	8.39	8.96	8.81
Romania	9.61	9.57	8.96	9.30	9.27	9.18	9.35	8.97	9.51
S Africa*	9.00	8.74	8.36	8.74	7.78	8.35	8.87	7.87	8.56
S Korea	8.86	8.54	8.55	8.02	8.00	7.91	7.41	8.02	8.10
Spain*	9.13	9.28	8.99	8.17	8.69	8.56	8.63	8.66	9.02
Turkey*	9.61	9.19	8.96	9.10	8.88	8.95	9.07	9.34	9.27
UK*	8.99	9.17	8.84	8.25	8.43	8.42	7.86	8.23	8.66

10 and 12 year old surveys, all countries, equally weighted by age group

In terms of the percentages with low well-being, in Table 35 instances of more than 5% and more than 10% of children having low well-being for particular aspects of life have been highlighted:

- More than one in ten children had low satisfaction with material possessions in Ethiopia; with their local area in South Africa and Germany; with their body in South Korea, the UK, Germany and Ethiopia; and with the future in Nepal, South Africa and Ethiopia.

The relative scores in Table 36 provide an alternative view of the data:

- There are much greater fluctuations in relative scores for some aspects of life – such as life as a student and one's body – than for others such as time use and family life.
- The table also allows identification of particularly high and low scores for certain countries. For example, there are relatively high scores for Algeria, Ethiopia and Nepal in relation to children's satisfaction with life as a student. There are relatively low scores for Norway, South Korea and UK for children's satisfaction with their bodies.

To aid further more detailed comparisons a complete listing of relative scores for all satisfaction questions is shown in Table A2 in the Appendix. One feature that this additional table illustrates is how little variation from expected scores there is in some countries such as Romania and Israel, compared to countries such as Algeria, Ethiopia and Nepal. The same goes for some aspects of life such as time use and safety, compared to others such as some of the school questions.

Table 35: Key indicators – Summary of % with low well-being by country for each question

	Family life	Things	Friends	Life as student	Local area	Time use	Body	The future	Life as a whole
Algeria*	2.5%	9.8%	6.3%	2.6%	11.4%	6.6%	5.5%	4.5%	3.5%
Colombia*	2.6%	1.6%	6.2%	3.4%	5.0%	2.8%	2.4%	3.4%	1.8%
Estonia	2.8%	2.5%	4.7%	9.3%	6.4%	3.6%	11.0%	5.4%	3.6%
Ethiopia	6.9%	18.7%	7.6%	2.8%	9.2%	5.3%	3.7%	11.0%	4.5%
Germany	3.8%	1.0%	2.1%	8.9%	10.3%	3.7%	11.7%	2.2%	4.1%
Israel	2.6%	1.4%	4.2%	8.3%	6.3%	4.8%	4.0%	5.2%	3.5%
Nepal	5.4%	5.2%	6.0%	4.4%	8.8%	7.1%	5.7%	34.7%	6.0%
Norway	1.5%	.6%	1.8%	5.2%	1.8%	2.4%	9.2%	3.1%	3.3%
Poland*	3.4%	1.6%	4.8%	9.1%	5.5%	4.0%	8.6%	3.3%	4.8%
Romania	1.6%	1.0%	3.5%	2.4%	2.8%	2.5%	2.0%	3.9%	1.5%
S Africa*	5.6%	5.1%	8.1%	6.0%	15.4%	7.1%	5.4%	13.4%	7.4%
S Korea	2.9%	3.9%	3.8%	7.5%	6.5%	7.7%	13.0%	5.8%	7.4%
Spain*	2.9%	1.3%	3.0%	6.2%	4.5%	2.8%	5.3%	2.5%	2.8%
Turkey*	2.2%	3.6%	4.6%	4.5%	6.5%	4.0%	5.3%	2.7%	4.1%
UK*	3.7%	2.0%	4.0%	7.4%	6.8%	5.3%	12.8%	7.8%	5.5%

10 and 12 year old surveys, all countries, equally weighted by age group

Table 36: Key indicators – Relative scores by country for each question*See Chapter 1 for explanation of these scores*

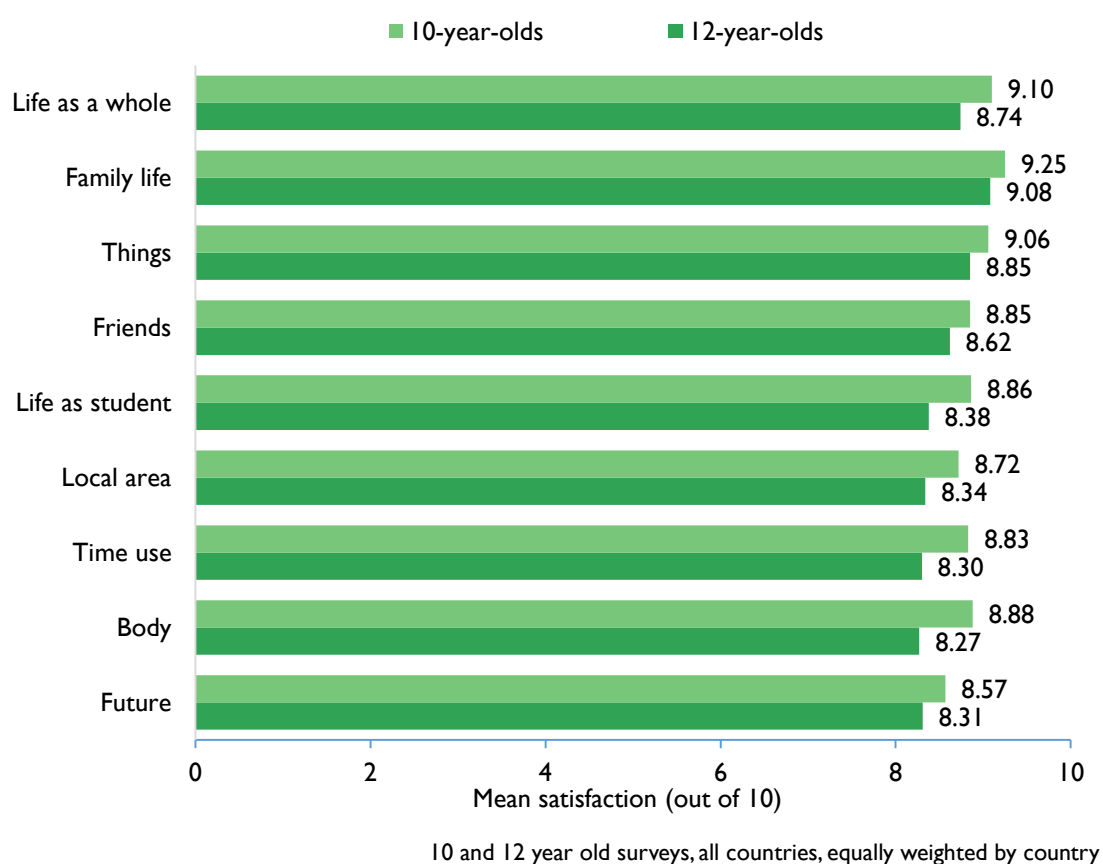
	Family life	Things	Friends	Local area	Life as student	Time use	Body	The future
Algeria*	1.03	0.90	0.97	0.96	1.08	0.97	1.01	1.05
Colombia*	0.99	1.01	0.96	1.01	1.02	1.01	1.06	1.05
Estonia	1.02	1.02	1.01	1.02	0.95	1.01	0.97	1.01
Ethiopia	0.96	0.84	0.98	0.98	1.09	1.01	1.06	0.95
Germany	1.00	1.04	1.05	0.93	0.94	1.01	0.95	1.08
Israel	1.00	1.03	0.99	1.01	0.95	1.00	1.04	1.01
Nepal	1.00	1.02	1.02	1.03	1.08	1.01	1.04	0.71
Norway	0.97	1.01	1.01	1.05	0.97	0.96	0.92	1.01
Poland*	1.00	1.03	0.97	1.02	0.93	1.01	0.97	1.06
Romania	0.98	1.00	0.96	1.02	1.01	1.00	1.02	0.99
S Africa*	1.02	1.01	0.99	0.94	1.05	1.01	1.07	0.97
S Korea	1.03	1.02	1.04	1.00	0.99	0.98	0.92	1.01
Spain*	0.99	1.03	1.02	1.01	0.94	0.99	1.00	1.02
Turkey*	1.00	0.98	0.98	1.00	1.01	1.00	1.01	1.06
UK*	1.00	1.05	1.03	1.01	0.98	1.00	0.94	0.99

10 and 12 year old surveys, all countries, equally weighted by age group

Variations by age group

We have presented analysis of age group differences throughout the preceding chapters. Here we provide an overview of the main patterns identified. The chart below shows mean satisfaction scores for the 10-years-old and 12-years-old age groups for the whole sample (weighted equally by country) for the nine key indicators discussed above. All nine mean scores are significantly lower for the 12-year-old age group than the 10-years-old age group. There is a larger age-related difference for some aspects of life than others with the biggest differences being for satisfaction with one's body and time use, followed by life as a student, and the smallest difference being for family life.

Figure 102: Key indicators by age group



Variations at the individual country level have already been discussed in previous chapters. Where there were significant differences they almost always related to children in the 12-years-old survey having lower mean satisfaction than children in the 10-years-old survey. However this age-related pattern in well-being is not equally in evidence in all countries.

- In Poland and South Korea there were significant age group differences for most indicators in the survey.
- There were a smaller number of significant age group differences in a selection of other countries, such as Turkey and Spain.
- There were no significant age group differences in Algeria, Colombia, Ethiopia, Israel, Romania and South Africa

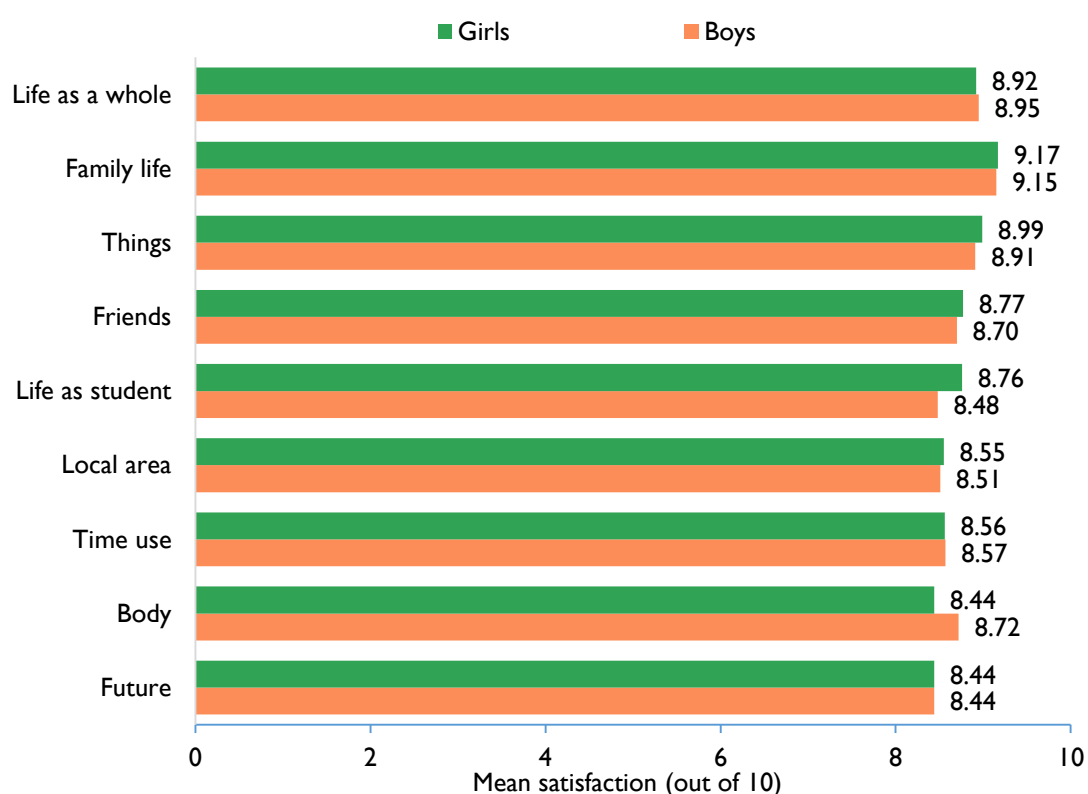
Variations by gender

Figure 103 shows mean scores for the key indicators for girls and boys across the whole sample (equally weighted by age group and country). There were only two significant differences here.

- Girls were more satisfied with 'your life as a student' than boys
- Boys were more satisfied with 'your body' than girls.

At a country level, gender differences in these two aspects of life were only statistically significant in some countries. The main pattern of note was that boys were more satisfied with 'your body' than girls in Estonia, Germany, Norway, Poland, South Korea and the UK – see Chapter 10 for further discussion.

Figure 103: Key indicators by gender



10 and 12 year old surveys, all countries, equally weighted by country and age group

Summary and discussion

In this chapter we have drawn together some key patterns in the data from previous chapters using key indicators relating to satisfaction with family life, material possessions, friendships, school, local area, time use, self, the future and life as a whole. Generally, satisfaction with all of these aspects of life is high with the large majority of children scoring themselves on or above the mid-point of an 11-point satisfaction scale. Within this positive picture, there was some variation in children's levels of satisfaction with the highest mean satisfaction being with family life and the lowest relating to the future – an aspect for which more than 7% of children had low satisfaction. We have looked at variations with satisfaction with these aspects of life by country, age group and gender.

There are only relatively small variations between countries in children's satisfaction with some aspects of life such as family life and time use. For a few other aspects there are one or two notable differences such as low satisfaction with material possessions in Ethiopia and some of the other countries with low GDP; low satisfaction with the local area in Germany and South Africa; and high satisfaction with what might happen in the future in Germany, Turkey and Poland. However, probably the most important patterns in country differences relate to children's satisfaction with school and with their sense of self. First, in terms of school, there is a clear pattern in the survey that children in Algeria, Ethiopia, South Africa and Nepal tend to have relatively higher levels of satisfaction with this aspect of life than other countries. Some of the potential reasons for this are discussed in the relevant chapter earlier in the report. Second, in terms of self, children in South Korea and many of the countries surveyed in Europe tend to have relatively low satisfaction with this aspect of life, in contrast with countries such as Colombia, Ethiopia and South Africa where satisfaction tends to be relatively high.

There are broadly consistent age-related differences in the survey as a whole with children in the 12-years-old survey tending to have lower satisfaction than children in the 10-years-old survey. There is some variation here between different aspects of life with, for example, much greater age differences for satisfaction with life as a student than with family life. An important finding in this respect is that these age group differences are not equally in evidence across all of the countries in the sample. The strongest age group differences tend to be in South Korea and Poland. In some countries, there were no statistically significant age-related differences for any aspects of life. This highlights an important issue for further research to explore why there is a more substantial age pattern in some countries than others and whether this applies over a wider age range than considered in this report.

There were far fewer significant gender differences. Across the survey sample as a whole, there were only significant gender differences for two of the key indicators considered in this chapter. Girls tended to be more satisfied with 'your life as a student' and less satisfied with 'your body' than boys. Further analysis indicates that these gender differences only apply to some countries, with the most notable differences being in relation to satisfaction with one's body which was significantly lower among girls than boys in South Korea.

Chapter 15

Conclusions

In this final chapter we highlight and discuss key findings from the report and identify potential future directions for the work on this survey and for research on children's self-reported well-being surveys in general.

Discussion

The overall picture

The overall picture presented in relation to children's evaluations of their lives is a positive one. Mean satisfaction ratings for life as a whole were higher than is typical in adult populations and, for most aspects of their lives, the proportion of children having low-being was less than one in ten in all or almost all countries.

Generally, children seem more satisfied with family and friendships than other aspects such as school and local area. For example, mean scores for satisfaction with 'family life' were higher than for satisfaction with 'life as a student' in 13 of the 15 countries – the exceptions were Ethiopia and Nepal where satisfaction with 'life as a student' was higher. However, these exceptions illustrate that one of the main values of the survey lies in exploring variations in well-being between countries and sub-groups of the population.

Variations by country

One of the key aims of this report has been to explore variations in children's lives and well-being between the 15 countries who have completed their participation in the survey so far. It must be acknowledged that any international comparative work using self-report data rests on a number of assumptions about the reliability, validity and comparability of responses to survey questions, taking into account linguistic and cultural differences. We will return to this issue later in the discussion. However, first we will briefly review the evidence of between-country differences in children's responses to the questions which asked them to evaluate various aspects of their lives. A full listing of rankings of mean scores within each country for each aspect of life is provided in an appendix (Table A1).

In the seven European countries and in Turkey, Israel and South Korea the three aspects of life with which children were most satisfied almost always³⁷ related to family, home and material possessions. In the three African countries and in Nepal, school was more prominent among the aspects that children were most satisfied with, accounting for two of the three top-ranked aspects in Algeria, Ethiopia and Nepal, and one in South Africa. However, satisfaction with family life was still in the top three aspects in Algeria and South Africa. Finally, Colombia had a unique pattern in this respect in that the top three aspects were 'health', 'your body' and 'the things you want to be good at'.

³⁷ The exceptions were that, in Estonia, satisfaction with free time was the third ranked aspect; and, in Romania and Spain, health was the second ranked aspect.

Turning to the aspects of life with which children were least satisfied, in most countries one or more of these aspects were found within the local area domain. In fact, in ten countries, at least two of the bottom ranked aspects related to local area. These findings suggest that in most countries children may not perceive their local area as being particularly child-friendly. The most notable exception was Norway where satisfaction with 'the area you live in general' was the fourth most positive aspect. In Poland all three bottom-ranked aspects were in the school domain, and this domain also featured once amongst the three lowest rankings (in addition to local area) in Colombia, Estonia, Israel, Romania, South Korea and Spain. This contrasts with the high rankings for aspects of school in Algeria, Ethiopia, Nepal and South Africa noted above. Nepal was unique in that 'what may happen later in life' was the aspect of life with which children were least satisfied. Finally, an important pattern in Norway, UK and South Korea were the particular low mean scores and therefore rankings of children's evaluations of their body, appearance and self-confidence.

This brief summary of rankings of mean scores provides some important indications of avenues for future exploration. For example, there seem to be a number of common patterns within the three African countries, which are also often similar in Nepal. There also seem to be common patterns in European countries, particularly those countries in the northern half of Europe, and these are often similar in South Korea and to a lesser extent in Turkey and Israel. Finally, Colombia, the only country from South America to so far have participated in this wave of the survey, appears to have a different profile to the other countries.

However, as discussed in the introduction to this report there are questions regarding how meaningful it is simply to compare raw summary statistics of children's feelings about, and evaluations of, their lives, given the challenges of undertaking surveys in different languages and in diverse cultural contexts. In this report we have attempted to take account of this issue in two ways – by providing contextual information for a selection of key findings and by calculating what we have called 'relative scores' for each country and aspect of life.

In most of the topic-based chapters we selected a key finding in one or more countries that we felt was of particular interest and have gathered background information, primarily through the national research teams in the relevant countries, with the aim of gaining some understanding of the background to the patterns observed. For example, we found in Chapter 9 that children in Poland were relatively positive about feeling safe and having places to play in their local area. Our colleagues in Poland connected this with two national initiatives within the last decade which had been aimed at creating more sports facilities and playgrounds for children. In this respect it is interesting to note the finding in Chapter 13 on time use that children in Poland reported the highest frequency of playing sports and doing exercise of the 15 countries in the survey. As we will discuss later in this chapter, such contextualisation is essential to making sense of comparative international findings on self-reported well-being and to extracting practical conclusions from them.

Our second approach to cultural and linguistic response differences has been to calculate relative scores for each country for each satisfaction, agreement and time use question. These scores identify the extent to which the observed scores for a particular country vary from what would be expected given the overall response patterns for children in the country to particular question formats, and the overall response patterns for children across countries to questions about particular aspects of life.

One thing that this approach enables is to identify aspects of life with high and low variability across countries. For example, we have found that if one knows the average level of satisfaction of children in each country in general then one can fairly accurately predict satisfaction with health and with safety in each country (see Table A2 in the Appendix). These are aspects of life where there is very little variability between countries once overall levels of satisfaction are taken into account. On the other hand, knowing about overall responses to satisfaction questions is not so useful in predicting country scores for satisfaction with aspects of school. In comparison with aspects such as health and safety there is a much higher degree of variability in children's feelings about school issues across countries. This is a salient finding in its own right as school is an aspect of life which may be particularly amenable to policy initiatives.

The other use of the relative scores approach is to identify aspects of life for which children in each country are faring unexpectedly well or poorly, taking into account their overall response patterns. For example, it is evident throughout this report that children in South Korea tend to rank fairly low for most questions, particularly when mean scores are used as the basis for comparison. This was not unanticipated as research with adults has indicated a tendency for lower scores on self-reported well-being in some countries, including South Korea, which appear to be at least partly due to cultural issues in responding to evaluative questions. Calculating relative scores can to a great extent take account of these cultural response issues and serve to highlight positive and negative findings in each country. In South Korea, for instance, we have found that children evaluate their family lives and their relationships at school with classmates and teachers relatively positively, taking into account the overall response patterns to satisfaction questions in this country. On the other hand their satisfaction with school marks, their body and appearance, and their sense of opportunities are all low in relative as well as absolute terms. We hope that this approach will therefore complement the comparison of observed mean scores and enable interested stakeholders in each country to extract messages about the positive and negative aspects of life for children in their country.

Moving away from the satisfaction and agreement questions, there was evidence of significant variation between countries for a number of other topics and questions including time use, children's rights and experiences of bullying.

Children's use of time varied considerably. The top rankings of frequency of time spent on ten different activities were shared between seven different countries with only Estonia being top-ranked for more than one activity. There was substantial diversity in terms of the least frequent activities also. For example, children in Turkey spent the most time of any country reading for fun but the least time helping with housework; children in the UK spent the most time by themselves and the least time doing homework. The survey has generated a rich set of data including ten general activities and a further six activities specific to family and friends, and this will provide opportunities for a more detailed exploration of the nature of children's daily lives in the diverse set of national contexts covered.

Children's knowledge of their rights, and their views about whether these rights were respected by adults, varied very substantially between countries. In most countries most children felt that they knew what rights children have, but in four countries – the UK, South Korea, Israel and Germany – only a minority did so. Children's confidence in adults' respect for their rights varied from 33% in South Korea to 84% in Norway. In seven countries, including South Korea, less than half of children definitely felt that adults in general respected their rights. These are important findings in terms of international policy work on children's rights.

Research in some countries shows that experiences of being bullied can have a particularly detrimental effect on children's well-being. In the Children's Worlds survey children were asked two questions about experiences of this issue at school – the frequency of being hit by other children and of being excluded by other children in the last month. There were wide variations between countries here also. Children in South Korea were the least likely to experience either form of bullying; children in Turkey were the most likely to have been hit by their peers; while children in the UK were the most likely to have been left out by their peers. It remains to be seen whether these varying levels of bullying are associated with levels of school or overall well-being within and between countries.

Variations by age group

Apart from variations by country, this report has also explored variations in children's responses by age group and by gender. In terms of age group, we have compared children around 10 years of age with those around 12 years of age although it must be borne in mind that these are approximate ages and, in fact, the children participating in the 10-years-old and 12-years old surveys were within a year (or, in a small number of cases, two years) of the target age of the survey. This variation was due to the survey being conducted in school class groups.

There is evidence of age group variations across many of the aspects of life covered in this report. Usually, for the questions measuring satisfaction and agreement, there is tendency for the 12-year-olds to be less positive than the 10-year-olds. However, there is a stronger age-related pattern for some aspects of life than others – with the most pronounced being for school issues and sense of self. There are also differences between countries. By and large there is more evidence of a difference in well-being between the ages of 10 and 12 in South Korea and some European countries. This raises interesting questions for future research into potential different age patterns in different countries or groupings of countries.

There were also age-related differences in many countries (mostly European apart from Norway) in terms of how much children felt that adults in their country respected children's rights. In some countries such as Turkey and Poland the drop in agreement with this question between the ages of 10 and 12 was particularly large. However this age pattern did not apply at all in the three African countries where there was no significant age difference, although levels of agreement were generally lower in these countries to begin with among 10-year-olds than in the countries where there substantial age differences.

Finally, there were some notable age patterns in time use. In most countries children in the 12-years-old survey tended to read for fun significantly less frequently than in the 10-years-old survey. On the other hand, in many of the more industrialised countries the older age group tended more frequently to spend time watching television and/or using a computer. These findings on time use connect with findings presented in Chapter 3 about children's access to material items and resources. Children in the 12-years-old survey were more likely to own or have access to a mobile phone, a music player and the internet than children in the 10-years-old survey in many countries. On the other hand, children in the 10-years-old survey in most countries were more likely to say that they had access to books to read at home.

All in all, there is substantial evidence here of differences in the lives and well-being of children between the ages of 10 and 12 in many but not all countries, and this is another potentially fruitful area for further analysis and research.

Variations by gender

There was a more mixed picture in terms of gender differences. In some aspects of life – such as family life, friendships and material possessions - there was little significant variation between girls and boys regarding their evaluations of their lives. There were some indications that girls tended to be a little more positive about aspects of school life. However the aspect of life where there were the most notable gender differences related to children's views of themselves. In five European countries and South Korea, girls were significantly less satisfied with their appearance and their body than boys. However, in other countries this was not the case. This is an illustration of the value of undertaking the survey in such a diverse range of countries and cultural contexts. Differences that may seem commonplace in one cultural context may be found not to exist in other contexts and this can challenge the notion that these types of differences are inevitable or universal. The question of why girls feel much less positive about themselves than boys in some countries and not others merits further research.

There were gender differences in relation to time use also. In many countries there was a fairly typical pattern of boys being more likely than girls to spend time playing sports, exercising and using computers; while girls were more likely than boys to read for fun and help with housework. However, there was a lack of evidence of a gender difference in frequency of spending time caring for siblings and other family members. There was no clear pattern here and in only one country (Norway) was there a significant difference, with boys reporting spending more time on this activity than girls.

Future directions for research

Future directions for analysis of the Children's Worlds survey data

This report, and the analytical work that underpins it, was intended to provide a primarily descriptive and accessible introduction to the survey. It clearly only represents a starting point in terms of making use of the potential of the data set. There are many different avenues for ongoing exploration and analysis of the data. A few of the important aspects that warrant initial attention are:

1. **Analysis of the 8-years-old data set.** For practical reasons it was only possible for this initial report to analyse data for the older two age groups. Most of the questions in the 8-years-old survey have different response formats to the 10-years-old and 12-years-old surveys, taking into account the typical reading and cognitive levels of the younger age group. This means that it is not straightforward to make comparisons across all three age groups. However there is considerable potential for analysis of country and gender variations within the 8-years-old data set and then it would be possible to compare the patterns identified with those presented in this report for the older two age groups. We will be publishing an initial report on the 8-years-old survey later in 2015.
2. **Validation of scales and measures.** In this report we have not attempted to create or test scales made up of different items within the data set. The surveys included versions of several previously tested scales, and so an important first step will be to undertake statistical analysis of the functioning of these scales across the pooled data set and individually within each country. In addition it may be possible to create new scales by combining sets of questions asked on a specific aspect of life (e.g. family relationships) or on a cross-cutting theme (e.g. treatment by adults). Such scales would

help to summarise data within the current study and may also be of value to future research.

3. **The structure of children's self-reported well-being.** We briefly touched on a three-component framework of self-reported well-being – comprising cognitive subjective well-being, affective subjective well-being and psychological well-being – which is common in the research literature on the well-being of adults. There has been relatively little exploration of the extent to which this model is applicable to children and the current data set offers a valuable opportunity to undertake this work in an international context. Additionally, there is considerable potential to explore the structure of aspects and domains of life within the concept of cognitive subjective well-being.
4. **Explaining variations at the individual level.** An important question is the extent to which people's overall sense of well-being can be explained by their characteristics and life circumstances. For practical reasons we have restricted this initial report to simple description of variations in children's responses by country, age and gender. There is potential to use the data set to explore the power of a wider range of factors including family composition, household economic circumstances and experiences of bullying in terms of variations in explaining overall well-being. An important application of the Children's World data set will be to analyse how the influence of each of these factors varies between countries and the findings of this analysis would make an important new contribution to the research evidence on children's subjective well-being.
5. **Explaining variations at the country level.** An important related question is the extent to which mean self-reported well-being scores at a country level can be explained by macro indicators relating to each country. In the field of adult self-reported well-being, researchers have had substantial success in explaining variations between countries through a combination of macro indicators relating to economic, political and social factors³⁸. This is another area where there has been much less exploration in relation to children's self-reported well-being. So, some work on this question would be valuable although the number of countries currently included in the survey data set may put some limits on this type of analysis. It will be important to consider which macro indicators may be most relevant to explaining between-country variations in children's well-being as these may not be the same indicators that are relevant in the case of adults. For example, the level of attention to children's rights in each country may be a salient variable for children.

There is an ongoing analysis plan for the next 12 months and we would expect to make some progress with each of these aspects during that period. Working papers will appear on the project website when available. Following this initial analytical effort, in the summer of 2016 the whole data set will be made freely available to interested researchers who wish to undertake further analysis.

Future cross-national research on children's self-reported well-being

While the data set considered in this report will offer a rich set of opportunities for research on children's subjective well-being, the current wave of the project also has a number of limitations which suggest directions for future research. The following are some issues identified during

³⁸ Helliwell et al. (2014)

the course of this report which are of relevance to future cross-national research on children's self-reported well-being, including future waves of the Children's Worlds study itself

1. **Cultural response issues.** Systematic differences in the way that people in different cultures respond to subjective well-being questions has been identified as an important issue in the research on adult populations. Based on the analysis of this survey so far, it may also be an issue in researching children's subjective well-being. Further research is needed on this issue. One method which has been used in some of the research with adults is to use 'anchoring vignettes'³⁹ – which ask respondents to evaluate the well-being of a standard hypothetical person – and this may be a useful approach with children also.
2. **Extending the number of countries.** We aim to undertake analysis of the extent to which variations in children's subjective well-being between countries can be explained by macro indicators at the country level. However the potential for this is likely to be limited by the number of countries in the current sample. Some of the advances in understanding international variations in adults' subjective well-being have been dependent on the availability of comparable data from many countries. In addition, a greater number of countries would enable more comparisons between countries within particular continents or regions to be made. This could be valuable because there are some indications within the current data of similar patterns of findings within geographical groupings of countries. Ideally future cross-national data collection efforts, either through a new wave of the Children's Worlds survey or through other means will succeed in covering a larger number of countries.
3. **Broadening the age range.** This report has identified some interesting evidence of age patterns in children's evaluations of their lives. There appears to be a decline in subjective well-being between the ages of 10 and 12 years old in a number of countries – particularly within Europe – but this is not in evidence across the whole range of 15 countries included in this report. Patterns of decreasing subjective well-being between the ages of 11 and 15 have previously been identified in many countries in Europe and North America⁴⁰. Given the restricted age range of the current report it is not clear whether these decreases may be universal but occur at different ages in different countries, or whether they are specific to particular countries or groups of countries. Therefore further research on age-related differences with a wider range of age groups would be valuable.
4. **Inclusion of marginalised groups.** The research considered in this report was undertaken with children in mainstream schools in each country. This has made it possible, within the resources available, to achieve the large sample sizes which make some of the statistical analysis feasible. However, mainstream schools samples are likely to exclude certain sub-groups of children, including children educated in specialist settings and children who are not attending school, possibly as a result of particularly disadvantaged circumstances. Therefore a goal of future research should be to include some of these sub-groups.

³⁹ van Soest et al. (2011); Angelini et al. (2013)

⁴⁰ Currie et al. (2012)

5. **Reviewing topics and questions.** The survey questionnaires described in this report cover a broad range of relevant domains in children's lives. However, inevitably in a research initiative of this kind, gaps and areas for improvement exist. Some topics (e.g. family and school) have been more fully covered than others (e.g. economic issues and friendships) and it may be appropriate to balance future research differently between these domains. It would also be helpful to review whether there are any important topics missing from the framework – for example, the issue of spirituality has sometimes been included in research on adults' subjective well-being. Additionally, within each topic it will be important to identify gaps. An example of this is the discussion on time use, where it seems likely that some important activities relevant to children in some countries were not included in the questionnaire. There is a role for qualitative research with children using a range of methodologies and in a range of countries in helping to improve the overall content of questionnaires such as this which attempt to cover a comprehensive overview of children's lives and well-being.
6. **Longitudinal research.** An inevitable limitation of a snapshot survey such as this one is that it is not possible to identify cause and effect. There is currently a shortage of longitudinal data on children's self-reported well-being which would enable an analysis of causal factors which can aid in understanding variations in well-being. The possibility of gathering data of this kind in an international context should be considered as part of future cross-national research efforts.
7. **Considering the most appropriate methods of comparison between countries.** An important issue identified in Chapter 4 of this report is the fact that different methods of comparing children's evaluations of their lives can lead to different conclusions about variations between countries. Some countries fare better when mean scores are considered than when the proportion of children with low well-being is the focus, or when comparisons are based on equality or inequality of well-being. This issue goes to the heart of the debate about the potential value of measuring people's self-reported well-being. People may have different priorities for improving the well-being of a given population. It can be argued that the goal should be to maximise average happiness, to minimise misery or to minimise inequality. Each of these goals links to one of the methods of comparison discussed above. In this initial report we have tended to follow similar previous research in focusing mainly on mean scores, although we have also presented percentages of children with low well-being throughout the report. It would seem appropriate that future research should keep in mind the alternative goals of improving well-being identified above and therefore routinely make comparisons using the different methods available.

Key messages

The overall aim of the Children's Worlds project is to generate findings which are not only of research interest but also can be valuable to key stakeholders who are concerned with the quality of children's lives. These stakeholders include children themselves; parents and other family members; professionals who work with children; and local, national and international policymakers. This aim will be an ongoing concern as the analysis of the data develops. This initial report already points to some important issues, in particular ones which might be salient at the national and international policy level. In concluding the report we will briefly discuss two broad messages in this respect.

The first key message is that it has been possible, using cross-national comparisons, to identify positive and negative aspects of children's lives in all countries involved in the survey. The combination of different comparative approaches taken in this report has suggested, for example, that school is an aspect of life where there is considerable variation in children's experiences and the findings on this topic may be of particular concern to national policymakers as this is certainly an aspect of children's lives which is amenable to policy intervention. The findings on relatively low levels of satisfaction about body, appearance and self-confidence in some countries provide important messages for policy makers and all those concerned with children's well-being in those countries, as it is apparent that there are countries where these issues are much less pronounced. The substantial cross-national variations in children's knowledge of their rights, and in their opinions regarding adults' respect for these rights, is another area where there are important messages for national and international policy organisations. Cross-national variations like these also offer the opportunity to identify areas of strength in particular countries, and the learning from these countries may be of value to other countries in developing new initiatives to tackle key issues and improve children's lives.

A second related message comes from the exploration of age and gender differences. One of the challenges for research on children's subjective well-being within individual countries is that it is not clear whether observed differences between sub-groups of children, for example on the basis of age or gender, are distinctive to that country's context or are a more universal feature of childhood. It is only through cross-national comparative work that answers to this question can be found. We have observed in this report that some of the age and gender differences previously identified in specific countries are not in fact universal phenomena. For example, if gender differences in children's satisfaction with a particular aspect of life are not evident in all countries this presents important information and a challenge for each individual country with regard to the equality of children's well-being. This is an important initial broad finding which has been made possible by the diversity of countries involved in the research.

To conclude, this initial report has hopefully begun to demonstrate the potential of the Children's Worlds survey and, more generally, of international comparative research which gathers children's own opinions and perspectives, in identifying both positive and negative aspects of children's lives in different countries and priorities for future action.

Appendix: Additional tables

Table A1: Rank of mean satisfaction scores within each country for each aspect of life

	Algeria*	Colombia*	Estonia	Ethiopia	Germany	Israel	Nepal	Norway	Poland*	Romania	S Africa*	S Korea	Spain*	Turkey*	UK*
The house/flat where you live	14	16	6	10	7	8	14	10	3	11	12	4	9	3	5
The people you live with	7	13	1	12	2	3	21	3	5	4	11	2	3	2	2
All the other people in family	16	15	22	26	3	16	26	1	–	6	10	1	5	26	4
Your family life	1	5	2	11	6	2	6	5	2	1	2	3	4	1	3
All the things you have	27	4	4	30	1	1	7	2	1	3	6	6	1	10	1
Your friends	22	24	10	20	4	18	13	7	16	26	19	5	8	20	6
Your relationships .. in general	13	26	16	15	14	14	22	8	11	23	24	10	12	14	13
The people in your area	26	29	27	24	29	27	20	27	23	28	28	25	22	29	25
The local police in your area	31	31	31	29	31	31	28	–	–	31	31	31	31	31	31
How dealt with at doctors	18	21	11	19	11	11	11	6	–	19	13	9	6	19	12
Outdoor areas .. in your area	30	28	30	31	28	30	30	25	21	30	30	28	27	30	30
The area you live in general	24	19	13	22	26	20	16	4	13	16	26	21	16	24	16
Other children in your class	25	30	29	18	27	29	18	23	22	29	27	17	23	27	24
Your school marks	19	27	28	9	30	23	8	24	25	27	21	30	30	28	23
Your school experience	11	20	21	13	23	25	5	18	20	24	14	13	25	22	20
Your life as a student	3	14	26	1	24	26	3	22	24	15	7	19	28	15	21
Things you have learned	2	8	12	3	17	10	1	16	19	7	1	12	14	7	10
Relationship with teachers	6	25	24	5	25	28	4	17	26	21	18	8	24	13	28
How you use your time	23	18	15	16	16	21	17	26	12	18	20	22	20	21	18
What do in your free time	20	9	3	14	5	9	19	9	9	8	8	11	7	11	8
Your health	9	1	8	2	8	4	9	15	8	2	5	7	2	5	7
The way that you look	8	7	20	7	21	5	23	29	–	13	9	29	18	23	27
Your own body	17	2	25	6	22	6	12	30	18	12	4	26	19	16	26
Your self-confidence	4	6	14	4	19	17	15	28	15	10	16	23	13	8	29
The freedom you have	28	22	23	25	13	13	25	14	14	17	23	24	26	17	17
Amount of opportunities ..	21	11	18	21	15	15	24	12	17	20	17	27	29	25	14
Listened to by adults ..	15	23	17	23	18	24	27	19	–	22	22	20	21	18	19
How safe you feel	10	12	9	17	12	12	10	11	6	9	15	15	10	4	9
Things you want to be good at	5	3	7	8	20	7	2	21	10	5	3	14	11	9	11
Doing things away from home	29	17	5	28	10	19	29	13	4	14	29	16	15	12	15
Later in life	12	10	19	27	9	22	31	20	7	25	25	18	17	6	22

Table A2: Relative satisfaction scores for each aspect of life by country

	Algeria*	Colombia*	Estonia	Ethiopia	Germany	Israel	Nepal	Norway	Poland*	Romania	S Africa*	S Korea	Spain*	Turkey*	UK*
The house/flat where you live	0.99	0.98	1.01	0.99	1.02	0.99	0.99	0.98	1.02	0.98	1.00	1.04	0.99	1.01	1.01
The people you live with	1.00	0.97	1.03	0.97	1.02	1.01	0.93	1.00	0.99	0.98	0.99	1.06	1.00	1.01	1.02
All the other people in family	0.99	1.00	0.95	0.92	1.05	0.98	0.92	1.03	–	1.01	1.02	1.11	1.02	0.96	1.04
Your family life	1.03	0.99	1.02	0.96	1.00	1.00	1.00	0.97	1.00	0.98	1.02	1.03	0.99	1.00	1.00
All the things you have	0.90	1.01	1.02	0.84	1.04	1.03	1.02	1.01	1.03	1.00	1.01	1.02	1.03	0.98	1.05
Your friends	0.97	0.96	1.01	0.98	1.05	0.99	1.02	1.01	0.97	0.96	0.99	1.04	1.02	0.98	1.03
Your relationships .. in general	1.02	0.95	1.00	1.00	1.01	1.00	0.97	1.02	1.01	0.99	0.97	1.01	1.01	1.01	1.01
The people in your area	1.00	0.98	1.01	1.02	0.95	1.00	1.05	1.02	1.00	1.00	0.93	1.03	1.04	0.95	1.00
The local police in your area	0.95	0.81	0.98	1.06	1.05	0.99	1.09	–	–	1.04	0.94	1.03	0.97	1.05	1.09
How dealt with at doctors	0.98	0.98	1.00	0.98	1.02	1.00	1.02	1.01	–	0.98	1.01	1.01	1.03	0.98	1.00
Outdoor areas .. in your area	0.89	1.05	1.00	0.95	1.01	0.98	0.98	1.08	1.05	1.00	0.92	1.02	1.07	0.97	1.02
The area you live in general	0.96	1.01	1.02	0.98	0.93	1.01	1.03	1.05	1.02	1.02	0.94	1.00	1.01	1.00	1.01
Other children in your class	0.99	0.96	0.97	1.05	0.97	0.97	1.06	1.03	0.99	0.99	0.98	1.05	1.02	0.96	1.00
Your school marks	1.04	0.98	0.97	1.09	0.93	1.03	1.11	1.01	0.96	0.99	1.05	0.92	0.95	0.96	1.01
Your school experience	1.04	1.00	0.98	1.02	0.95	0.96	1.07	1.00	0.97	0.99	1.02	1.02	0.97	1.00	0.99
Your life as a student	1.08	1.02	0.95	1.09	0.94	0.95	1.08	0.97	0.93	1.01	1.05	0.99	0.94	1.01	0.98
Things you have learned	1.05	1.01	0.98	1.04	0.97	0.99	1.07	0.96	0.94	1.00	1.05	0.98	0.98	1.00	0.99
Relationship with teachers	1.07	0.97	0.98	1.07	0.95	0.95	1.09	1.00	0.91	1.01	1.02	1.04	0.98	1.03	0.94
How you use your time	0.97	1.01	1.01	1.01	1.01	1.00	1.01	0.96	1.01	1.00	1.01	0.98	0.99	1.00	1.00
What do in your free time	0.96	1.01	1.03	0.98	1.03	1.00	0.96	0.99	1.00	1.00	1.02	0.99	1.01	0.99	1.01
Your health	1.00	1.01	0.99	1.02	1.01	1.01	1.00	0.96	0.99	0.99	1.01	0.99	1.02	0.99	0.99
The way that you look	1.06	1.05	0.99	1.06	0.97	1.05	0.96	0.94	–	1.02	1.05	0.90	1.00	1.00	0.94
Your own body	1.01	1.06	0.97	1.06	0.95	1.04	1.04	0.92	0.97	1.02	1.07	0.92	1.00	1.01	0.94
Your self-confidence	1.06	1.04	1.00	1.05	0.99	0.99	1.02	0.94	0.98	1.01	1.00	0.96	1.01	1.02	0.92
The freedom you have	0.95	1.01	0.98	0.96	1.04	1.03	0.96	1.02	1.02	1.02	1.00	0.99	0.97	1.02	1.02
Amount of opportunities ..	1.00	1.04	1.01	0.99	1.02	1.02	0.96	1.02	0.99	1.01	1.02	0.93	0.95	0.99	1.02
Listened to by adults ..	1.04	1.00	1.01	0.98	1.01	0.99	0.92	1.00	–	1.01	1.01	1.00	0.99	1.02	1.01
How safe you feel	1.02	1.00	1.01	0.97	1.00	0.99	1.01	0.99	1.01	1.00	0.99	0.97	1.00	1.02	1.01
Things you want to be good at	1.03	1.02	1.01	1.02	0.96	1.00	1.06	0.94	0.99	1.00	1.04	0.97	0.99	0.99	0.99
Doing things away from home	0.88	1.03	1.07	0.93	1.06	1.02	0.91	1.02	1.06	1.03	0.88	1.02	1.02	1.03	1.02
Later in life	1.05	1.05	1.01	0.95	1.08	1.01	0.71	1.01	1.06	0.99	0.97	1.01	1.02	1.06	0.99

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