1 Retrospective Data Collection in the Survey of Health, Ageing and Retirement in Europe

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Collecting individual data for social research is one of the essential tasks of the social sciences. Suitable data allow for meaningful policy research, e.g., deriving and evaluating welfare programmes, and therefore help to increase the general wellbeing of individuals. Longitudinal data are especially advantageous because they document changes over time – for example how people move from work into retirement when they become older.

One of the principal difficulties faced by longitudinal surveys is how to deal with the “initial conditions” – the lives of respondents before the baseline year of a survey. This is especially problematic for surveys that start monitoring events at later ages. While sometimes, this problem can be overcome when administrative records are available and can be linked to the survey, many domains of people’s lives cannot be linked, as no administrative records exist. In those cases the only realistic option for retrieving such information on the initial conditions is to obtain it directly, albeit retrospectively, from the respondents.

This method has many benefits over regular longitudinal data collection: it is faster, as the respondents give their answers to things that might have happened decades ago. A conventional longitudinal survey would have to wait very long – actually a generation’s time – to link the present to those events in the past. This also means that the retrospective data collection is less costly in obtaining the same information. In addition, the risk of respondents dropping out of the study is much smaller than in longitudinal study.

Some drawbacks vis-à-vis prospective data collection are clear: the retrospective data collection may suffer from recall bias, as respondents may err on when an event actually happened, or on how an event exactly took place. Also, less information can be extracted by means of a retrospective data collection because memory fades.

With its third wave of data collection, the Survey of Health, Ageing, and Retirement in Europe, SHARE, combines the two worlds of retrospective and prospective data collection. SHARE is a longitudinal study that started in 11 European countries in 2004, asking about 30,000 respondents aged 50 or older about their contemporaneous living situation. A second wave was fielded in 2006, which included two new countries as well as refresher samples to keep the initial sample size. SHARE covers multiple aspects, reaching from economic variables and demographics to health variables. For more details on SHARE, see the “First Results Books” by Börsch-Supan et al. (2005) and Börsch-Supan et al. (2008), as well as the “Methodology Book” by Börsch-Supan and Jürges (2005).

A central challenge in SHARE has been from the beginning that all sampled individuals are at least 50 years of age, and thus, many of the “initial conditions” – i.e., all experiences during the first 50 years of each respondents’ life – are unknown to the researcher. This is especially worrying, since a lot of research has proven the importance of early life events for later life outcomes – be it childhood
health for adult health, parental socio economic status on own financial wellbeing 
or employment history on pension income.

The third wave of SHARE, called SHARELIFE, has been implemented to 
collect the retrospective histories of the SHARE respondents. This volume 
provides the methodological background to the data collection and complements 
the more substantive analyses in Börsch-Supan et al. (2011). It is meant as a 
support manual to research activities in which the SHARELIFE data are used. It 
also documents that the latest advances of methodological research were 
successfully implemented in the process of this large data collection effort. We 
cover the technical implementation as well as important issues that surround any 
data collection effort – e.g. fieldwork monitoring, quality assurance, and data 
management.

The second chapter, written by Mathis Schröder, provides an overview of the 
literature both with respect to recall errors and ways to overcome them. The topics 
of the SHARELIFE study are then briefly discussed in this context.

The third chapter shows how the (electronic) implementation of previous 
research was achieved in a large field study such as SHARELIFE. Marcel Das, 
Maurice Martens, and Arnaud Wijnant give a programmers’ look at problems in 
development of a survey instrument and show the different requirements a 
CAPI programme needs to fulfil.

The fourth chapter shows how the fieldwork was done during the field phase. 
This chapter, written by Barbara Schaan, presents how the technical 
achievements – especially the sample management system – connects to the 
coordination of SHARE’s thirteen countries and fourteen survey agencies.

The provision and implementation of certain quality standards is another 
esential part of the operation. In chapter five, Kirsten Alcer, Heidi Guyer, and 
Grant Benson provide some background and an overview of the results of 
implementing the first quality profile in SHARE, which was used to achieve a 
common and comparable quality standard in data collection across all countries.

Data collection in SHARELIFE not only implied more than 1,000 
interviewers in contact with more than 25,000 people, but also brings about a 
tremendous amount of data management work. In chapter six, Christian Hunkler, 
Thorsten Kneip, Julie Korbmacher, Stephanie Stuck and Sabrina Zuber document 
the processes from SHARE’s raw data, coming directly from the field, until the 
moment the final data used by the research community are released.

Chapter seven then provides an overview of the first important results – the 
survey participation. Annelies Blom and Mathis Schröder explore how the 
countries differ in their participation rate both on an individual and on a 
household level. They look at determinants of participation such as gender and 
age, but also show how previous participation of individuals affects current 
participation.

The eighth chapter gives a first very brief look at the quality of the data, 
where Christelle Garrouste and Omar Paccagnella are concerned with the 
congruency of the earlier two SHARE waves with the retrospective information 
collected in SHARELIFE. They exemplify their analysis by reporting on three 
variables which are collected both in SHARELIFE and in SHARE’s wave 1 and
2. The differences they find are contributed to various circumstances – not the last being the fact, that questions are asked differently across waves, and hence the measurement of difference may not be perfect. However, they conclude that the data are of good quality.

Finally, this book contains an important detail for the researcher – the appendix with the actual questionnaire. While the questions are shown in their English version, of course each country had a specific language version, sometimes even more than one. In addition, the flow of questions, with their respective filtering, is also provided in graphical form, and may help researchers in understanding how the interview situation itself took place. It should be noted, that the website (www.sharelife-project.org) provides all information provided in this book and more – for example country specific questionnaires, latest results and, even more important, the actual data for download.

We hope that with this book, those familiar with the Survey of Health, Ageing and Retirement in Europe find a valuable extension to their already existing research agenda. To those new to SHARE, we hope that SHARELIFE provides an exciting input and inspiration to join the growing community of SHARE users.

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References


