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Thematic issue:

Historical Databases (1)

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Thematic issue

Historical Databases (1)

Editor's Note

The first historical population databases, explicitly dedicated to the digitalization of information extracted from parish registers and censuses prior to the First World War, were created in the 1970s in northern Europe (Brändström 1996). Over the following decades, with the growing entanglements between historical research and computer technology, these tools became increasingly popular in North America and western and northern Europe, culminating in the early 2000s with the outset of the North Atlantic Population Project (NAPP) (Roberts et alii 2003). NAPP continues to this day, aiming to provide data integration and support for wide-scale analyses based on the population databases of the North Atlantic regions (https://www.nappdata.org/napp/revision_history.shtml, accessed 15.06.2020), its contributors have also initiated the development of an intermediate data structuring system designed to enable the integration and harmonization of data from other similar historical sources (IDS) (Alter, Mandemakers and Gutmann 2009; Alter and Mandemakers 2014).

A second wave of historical population databases development has covered, during the last decade, southern and central Europe and East and Southeast Asia (<https://ehps-net.eu/databases>, accessed 15.05.2020) rooted in the methodological foundations laid by the aforementioned predecessors, and encouraged by the spectacular scientific results achieved by employing digital tools. The accelerated technological progress, which lowered the costs of such enterprises, also played an important part. Although many of the new databases only cover limited areas or narrow chronological periods, they remain fundamental instruments in historical demographical research and in the study of early modern, modern and contemporary populations.

Within this international framework began the construction of the “Historical Population Database of Transylvania” (HPDT) in 2014, through a project funded by European Economic Area and Norway Grants, involving cooperation between the Centre for Population Studies at Babeş-Bolyai University Cluj-Napoca and the Norwegian Historical Data Centre at the University of Tromsø (http://hpd.t.ro:4080/docs/documents/docs/5/original_Utilizarea_bazei_de_date.pdf, accessed at 15.06.2002). The initiative befitted the long tradition of historical

demographical research at Babeş-Bolyai University, which reaches back to the beginnings of the institutionalization of historical demography as a science, in the 1960s and 1970s (Bolovan and Bolovan 2003). These early steps were followed by an increased interest and activity in the 1990s and 2000s, impelled by the establishment of the Center for Population Studies (2003), which furthered contacts with the scientific community by means of publications, scientific events and membership in international forums.

HPDT is a relational database covering micro-areas of the territory of historical Transylvania (the former Habsburg province of Transylvania before 1867) for the period 1850–1914. The hosted data comes mostly from the parish registers preserved at the county services of the National Archives of Romania or in local parishes. HPDT has been operating since 2015, and its first stable version was launched in 2017, following the completion of the original project. Its genealogical interface (<http://hpdt.ro:4080/>, accessed 15.06.2020) was also made public at the same time. During the following years, its construction and technical adaptations to the challenges raised by historical documents have continued, as well as the input and processing (verification, cleaning, standardization, linkage) of information from primary sources, including the publication of the documentation and of the first scientific results, which are detailed in the study herein.

The present issue of the journal “*Studia Universitatis Babeş-Bolyai Digitalia*” features a special, more discreet piece of the HPDT’s documentation, namely the English version of the manual for transcribing and inputting information from historical parish registers into the database entry-forms. Publishing the data-entry protocol is not a common option in the scientific literature, and even on databases’ websites such documents are less frequent. Indeed, this manual is part of the internal documentation, employed mainly by the data-entry operators and by the database core-team when conducting verification and normalization procedures. However, it remains an important item, both in regard to the digital instrument for which it was created, and to other emerging initiatives in search of methodological benchmarks.

During the early stages of HPDT’s construction, the identification of accessible models for creating this manual proved challenging. Moreover, the provincial specificities create a quite different pattern from the ones implied by the standards encountered in northern and western Europe, including an overall less satisfactory level of sources’ preservation and informative content, a wider confessional and linguistic diversity, lower levels of professionalization of the church personnel for some of the denominations – mainly the Orthodox, sometimes the Greek Catholic –, and some of the lowest levels of general literacy in the Habsburg Monarchy. All of the above required the accommodation of the database structure and data-entry procedures to the forms and contents of the sources, resulting in a mandatory, low to moderate, level of normalization during the latter’s transcription process.

The manual details the balance between perfectly replicating the information from the sources (e.g. anthroponomy and toponomastics, nobility and occupational titles, cause of death), and the employment of normalization procedures (e.g.

timestamps, age, sex, denomination), together with the structural adaptations meant to accommodate information from extremely diverse and chronologically dispersed sources into a small number of standard digital forms. The historical diversity of Transylvania being characteristic, to a certain extent, of the whole central and south-eastern Europe, and given that, for the time being, HPDT remains a unique tool in the region in terms of technical achievement and complexity, the solutions used in its development can prove useful for similar digital instruments covering neighboring areas, or for other historical topics. On the same note, it is only normal that the auxiliary of such a large digital tool, with a potential to serve as a benchmark, should be made available to the scholarly community for exploration and review.

On these grounds, the project team deemed it necessary to publish a translated version of the data-entry manual in an open-source journal, and the editors of "Studia Universitatis Babeş-Bolyai Digitalia" welcome this initiative.

Vlad POPOVICI

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Historical Population Database of Transylvania. A Database Manual

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Abstract: The Historical Population Database of Transylvania (HPDT) is a research tool developed by the Centre for Population Studies at Babeș-Bolyai University Cluj-Napoca starting with 2014, whose goal is to host digitalized information from parish registers – the main sources for population history in Transylvania and Hungary until 1895. The database is covering roughly the period 1850–1914: from the first modern census in the Austrian Empire to the upper limit allowed by the Romanian Law 16/1996 (i.e. a threshold of 100 years, in the present day the limit being the year 1919). Currently, there are more than 400.000 individuals recorded within the database, which requires constant cleaning, standardization and linkage. The main objective of this undergoing enterprise consists in providing a research tool equally useful to the scientific milieu through its rich and complex data, and to the general public by means of its genealogical interface. The present work has the purpose to document the transcription and data entry processes related to HPDT, by detailing the rules applied in transferring the information from the primary sources into the digital framework.

Keywords: Historical Databases, Historical Population, Transylvania, Historical Demography, Data-entry protocol

I. Introduction and structure

The Historical Population Database of Transylvania (HPDT) emerged as the result of the omonymous project, whose main goal was to build a population database covering the period between 1850 and 1914 (from the first modern census to the limit allowed by the Romanian law in the field of persons' data research).¹ This was accomplished by following the most recent methodological principles of the field, in the attempt to provide full compatibility with the latest versions of the *Intermediate Data Structure* (IDS) (<https://ehps-net.eu/content/ids>, accessed 10.05.2020), thus allowing its connection to the similar databases already existing in Europe and North America.

In designing HPDT, four major objectives for the Romanian historical population research were targeted:

- to create a database which allows ampler and more complex analyses compared to the existing state of the art;
- to reconsider the role of historical information on population and the social-economic perspectives opened by gaining new knowledge in the field;
- to connect the population research from Romania with the actual strive to rebuild the European historical population of the nineteenth and twentieth centuries;
- to serve as a model for similar initiatives, either in Romania or in the Central and Eastern European area.

In regard to this latter goal, within Central and Eastern Europe, historical population databases, capable to answer a diverse range of demographic and social historical interrogations, are still in an early stage of development.² Due to its multi-ethnic and multi-confessional character, Transylvania represented one of the most suitable geographic regions to serve as starting point for such a scientific endeavour, but it also raised intricate challenges. This is one of the main reasons for which we decided to publish this database manual, alongside the documentation (Crăciun et alii 2015, Lumezeanu 2018, Lumezeanu 2019, Bolovan and Dumănescu 2019) and the first analytical results (Coroian 2016, Bolovan and Dumănescu 2017, Mârza 2016, Mârza 2017, Holom et alii 2018, Botoş 2019) We hope to provide a useful tool for future similar endeavours, not only in terms of structure and practice, but also by

¹ Historical Population Database of Transylvania was built within the framework of a project financed by the Norwegian Mechanism (EEA RESEARCH GRANTS) developed by the Centre for Population Studies, Babeş-Bolyai University, in partnership with the Norwegian Historical Data Centre, University of Tromsø. The financial support (650.000 Euro) covered the period May 2014 – April 2017, but the team at CPS continues to enlarge the database, by adding information, cleaning, standardizing and linking the data. During the project implementation phase, a large team of researchers and data-entry operators brought their contribution, by piece-meal remarks, suggested improvements to the database, and in particular to the development of this database manual, for which the authors of this printed version of the Manual are indebted to all of them.

² A self-explanatory overview here: <https://ehps-net.eu/databases>, accessed 06.05.2020; the earliest initiatives for building a common repository of historical population sources for Central and Eastern Europe are linked to the Mosaic project: <https://censusmosaic.demog.berkeley.edu/>, accessed 06.05.2020.

highlighting the solutions applied in order to overcome the issues raised by the complexity of the sources.

The main sources of HPDT are parish registers, giving data on baptisms, marriages, burials. For the Hungarian part of Austria-Hungary, they were filled in and kept by Churches until 1895. The registers cover diverse denominations in Transylvania: Orthodox, Greek-Catholic, Roman-Catholic, Reformed, Lutheran, Unitarian, Jewish, etc. The database was built following a source-oriented method, i.e., by replicating the original structure and information of the source to detail. It records every piece of information from the document, which greatly enhances the level of detail and accuracy of the hosted data, yet it makes the data-entry process time consuming and took a heavy toll on the building process. Having one database table for each denomination and type of event was not feasible, because it would have implied an abundance of redundant data, thus tables were built by focusing on vital events and each was made to accommodate all fields related to the respective type of source from every denomination-based subtype of parish register. This aspect posed a challenge for the database architect because of their structural diversity and the variety of fields which differed from one denomination to another, and also changed over the course of the nineteenth century.

Another significant challenge, both for the data-entry operators and the database architect, was raised by the information in the church registers being recorded in several languages (Romanian, Hungarian, Latin, German, etc.), by making use of varying alphabets and handwriting styles (Latin, Cyrillic, Kurrentschrift, etc.). Let aside the mandatory paleography skills required, which narrowed the selection pool for the data-entry operators, it also further complicated the cleaning, standardization and linkage operations due to the constant registration of persons under different spelling variants, or the translation of the same names in different languages.

From a technical viewpoint, HPDT is a relational database created in MySQL, an open source sql server owned by Oracle. The database is stored on a Linux server. Through an interface, built in Ruby on Rails, the user can access the various features of the database management system (visualization, edit, select, update, etc.). Multiple users have access to the database at the same time, from different devices and various places. Version 6 of the database (January 2020) includes five main tables ('Births', 'Betrothals', 'Marriages', 'Deaths', 'Godparents') plus the additional table 'Deceased relatives'. They are based on four major life events present in the sources, namely the baptisms, betrothals, marriages and burials. The main tables have between 90 and 165 fields each, mostly unique types of data that cover all the fields from the parish registers. Smaller tables are also present, covering particular types of registers or records ('Convert', 'Confirmation', 'Name change'), key-role persons ('Priest', 'Midwife') and the 'Sources'. Auxiliary normalization tables help with decreasing redundancy: 'County', 'Country', 'Denomination', 'Dispensation', 'Gender', 'Legitimacy', 'Literacy', 'Marital Status', 'Twin', 'Ethnicity'.

II. General principles

a. Filling in the source description sheet

Before beginning any transcription, the first mandatory step is for the data-entry operator to become familiar with the source, by filling in the source description sheet (Annex no. 1). This type of document must contain a brief description of the document's contents, well-defined dating (chronology) items, expressed in terms of date (day, month, year) and type of calendar used by the source creator(s), a list of the priests or Rabbies mentioned within it, and / or of the secular people carrying out religious undertakings, including the mohels in case of Jewish registers. The transcriber also makes a list of the midwives mentioned by the source, along with the time limits of the period in which they have been active, expressed in terms of dates for (day, month, year).

The source description sheet must also contain a detailing of the table headings from the parish register, in order for the data-entry operator, but also for those verifying and cleaning, to easily identify the relation between fields of the original source and those of the database. After being filled in with all the mandatory information, the source description sheet is to be sent to the members of the HPDT team responsible for specific tables: **Sources**, **Priests**, and **Midwives**, which verify the information, add it to the respective tables and manually assign the necessary codes for the aforementioned three categories. Only after a data-entry operator receives clearance for all three tables the actual data-entry process can technically begin.

b. Extracting the information

The information from the sources must be accurately rendered, that is the original text from the parish register must be reproduced letter by letter, complying with the transcription rules specific to each language and including any typos or other categories of errors which pertain to the original author(s) or latter editors.

All data-input forms include three types of fields:

- Simple text fields, where the information is filled in by the operator, thoroughly reproducing the data from the source register;
Exception: within the field **DATE** (= birth/marriage/death etc. dates), the date of the event shall be written in the format day/month/year (dd/mm/yyyy);
- Drop-down lists, with predetermined values, of which the appropriate element must be selected;
- Checkboxes, for which the appropriate value must be ticked, which sometimes opens other fields to be filled in, e.g. **OBSERVATIONS/COMMENTS**.

1. Uncertain information within the source

Sometimes, parts of the information from a field within the source may be difficult or impossible to decode, as the source has been damaged, the ink has

washed out, the photocopy of the source is improper, or the operator cannot recognize the written word.

General rule:

If one cannot identify one or several letters from the source, or an entire word, two question marks ('??') shall be inserted within the respective field. In case there are only two possible options, both of them shall be registered into the field, separated by the special symbol '@'. In case there are two different versions of the same name, the symbol '&' shall be used

Clarifications, exceptions and examples:

- a. In case one or several letters from a word are unclear, question marks shall be written at the questionable point of the word, for instance 'Demia?? ??meon' (see **Figure 1**). If there are doubts regarding the entire word, it is recommended to copy the word followed by question marks.

The uncertain information should always be highlighted with exactly two question marks. If only one is used, it is impossible to distinguish the uncertainty symbol from the regular question marks which the priest or a later editor might have used. If more than two question marks are being used, for instance one for each letter which cannot be decoded, the symbol is no longer recognized by the computer.

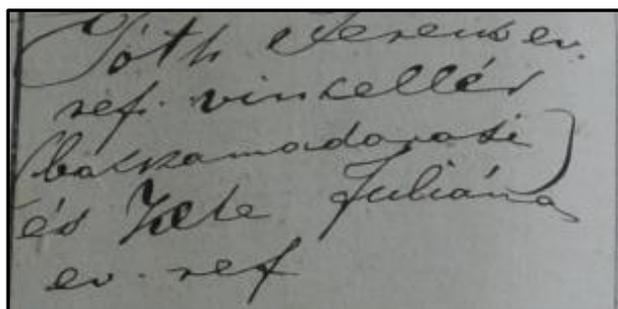
Corollary: if two or more question marks appear in the original source, only one shall be copied in the respective field. If their multiple occurrence is meaningful in relation to the original information, the situation should be detailed in the field **COMMENTS**.

Figure 1. Use of '??' symbol for unclear information in sources



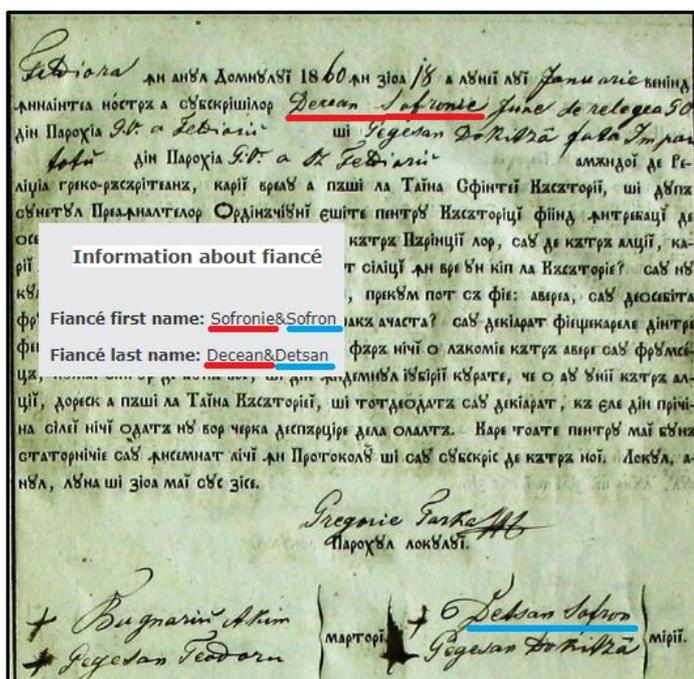
- b. In case there seems to be two possible interpretations, the symbol '@' shall be used, for instance, 'Bordea@Dordea' or '1853@1858'. In case there is no difference, the first most probable option shall be used. Using this symbol involves the possibility of only two options. In the example below (see **Figure 2**) the data-entry operator will transcribe Kete@Zete, because the capital letter does not resemble with previous forms of the letters K or Z.

Figure 2. Use of '@' symbol when uncertain information is found in sources



- c. If two forms of the same last name/first name occur within the same registering, then they shall be written down with the symbol '&' between them. E.g.: 'Sofronie&Sofron', 'Decean&Detsan'. Unlike the symbol '@', which expresses a doubt, an uncertainty, the symbol '&' marks the certainty of the fact that the same person appears with two or more different name forms (usually only slightly different) (See **Figure 3**).

Figure 3. Use of '&' symbol when dealing with uncertain information in source



- d. The possibility of using uncertainty and bracketing symbols (symbols '??' and '@') must not become a *pretext* for the operators so that they DO NOT do their best to interpret the information from the source!

2. Contradictory or incorrect information within the sources

Sometimes, the information from one field of the source can be logically incompatible with other information from the same field or from a different one.

General rule:

Where two or several pieces of information from the source are logically incompatible, the information which is considered by the data-entry operator as being most probably erroneous shall be marked with two exclamation marks ('!!') at the end of the uncertain string. After further verification during the cleaning procedures, the information proved erroneous shall be marked in the same way.

The incorrect information should always be highlighted by exactly two exclamation marks. If only one is being used, it is impossible to distinguish the error symbol from the exclamation marks possibly used by the priest or later editors. If you use more than two, the symbol is not longer interpreted solely by the computer.

Corollary: if two or more exclamation marks are used consecutively within the source, only one shall be copied. If their multiple occurrence is meaningful in relation with the original information, the situation should be detailed in the field **COMMENTS**.

3. Data from the source is missing

Sometimes, fields with partially or completely missing information appear in the parish registers. This is either because the priest could not get the relevant information at the time he filled in the register, or because this information has been left out purposefully, or because it was simply inadequate for a certain person, place and other data required by the register.

General rule:

If information from a field of the source is missing, although there is a heading for it in the parish register, the adequate field within the DB shall remain empty.

4. Repetitions within the source

The priests have often used symbols to replace recurring pieces of information in order to save effort or space (e.g. “””, “-””, “ditto”, “ibid.”, “s.c.l.”, “s.c.”, and other similar markings). If these repetitive characters are precisely copied, all their informative value would be lost. Consequently:

General rule:

The information replaced by the repetition symbol should be copied as such within the respective field, meaning that within the DB records the last explicit entry before using the repetition symbol shall be re-copied time and again, until being replaced in the original source by new information. The repetition symbol shall not be copied in the DB.

Clarifications, exceptions and examples:

Exception: If it is not self-evident what the repetition symbol refers to or to which piece of information it applies, the respective symbol shall be copied and the case shall be mentioned within the field **COMMENTS**.

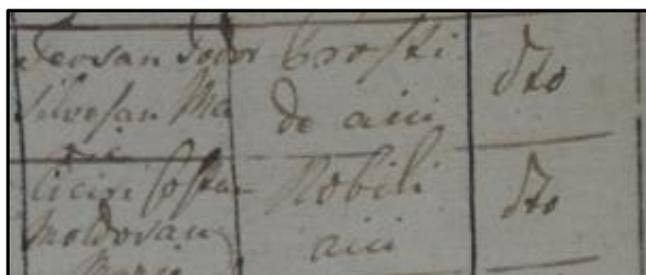
5. The additions or the interventions of the data-entry operators into the original text

General rule:

For the sources' component of HPDT, it is recommended and preferable to avoid, to the greatest extent possible, the additions or the interventions of the operators in the texts. These interventions are accepted only when the operator considers that future users will be unable to understand the original text without such additions or interventions. For instance, the priest often used particular expression to indicate the fact that someone is living in the community such as "de aici" ("from here"/"local") instead of indicating the place. In this case it is allowed to replace "de aici" with the place indicated on the first page of the parish register.

In the exemple below (**Figure 4**) "de aici" was replaced by Ocna Dej in the corresponding field. Even so, the operator must consider the fact that the users shall also have access to the source picture, in order to draw their own conclusions.

Figure 4. Example of replacement: 'de aici'/'from here'



The data-entry operators' interventions upon the original text or upon translations shall be limited **ONLY** to the fields **SOURCE OBSERVATIONS** and **NICKNAME** and shall be placed between square brackets '[]'. Abbreviations shall be thus completed, irrespective of the language, exclusively in the cases when the abbreviations are very hard to understand outside the original context. If the original text has brackets: "()", "//", "[]", "{}", they shall be copied into the DB as round brackets '()', irrespective of their original form.

6. Latter corrections or interventions into the original source

All additions and completions from the parish registers shall be registered, even if they are made in the recent past, and it is obvious they are ulterior entries.

General rule:

If the parish register contains corrections/additions significant in terms of information, made after the initial entry, these shall be signaled by the symbol ‘%%’ (double percentage), situated before and after the respective correction/addition.

7. Dots and question marks within the original source

General rule:

The dots and the question marks used within the source are to be transcribed only when significant. If the source contains several dots, or several successive question marks, these shall be copied either as ‘.’, or as ‘...’ (if the case), or as a single ‘?’, irrespective of how many of them appear within the source, in order to easily distinguish them from the question marks ‘??’ inserted by the transcription operators (see above pt. 2).

8. Deletions from the source

The data from a record in the original source can be altered, sometimes being crossed over, other times being replaced by a separate value added within the respective field, or can be overwritten.

General rule:

The words and sentences which are barred in the original source are to be marked with the percentage symbol ‘%’ before and after. Any new value (corrected) beside the deleted value shall be transcribed at the same time into the database.

Clarifications, exceptions and examples:

In case all information about a person is barred within the source, the mention ‘Completely barred within the source’ shall also appear in the field **COMMENTS**.

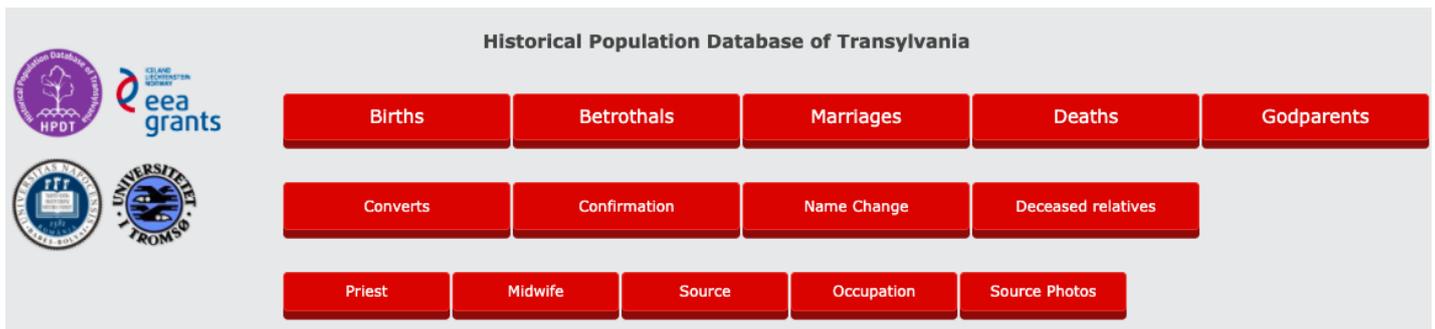
Exception: if the barred information appears somewhere else within the source (e.g. Figure 1), the barred information shall be ignored.

Clarification: if the deletion is applied in case of a date (e.g.: “~~14.07.1874~~”), the unbarred version shall be entered into the respective fields of the DB, while the barred version shall be entered between ‘%’ in the field **COMMENTS** (e.g.: [Date of baptism:] ‘%14.07.1874%’), as the fields dedicated to calendar dates do not allow the insertion of the symbol ‘%’. If only a day or a month is barred, the field **COMMENTS** shall be filled in as following: 01%14%.11.1874 (for the

III. Instructions specific to forms

Upon opening the database, the welcome window (see **Figure 6** below) allows the selection of one of the forms, according to the register to be copied. They are illustrated below and they will be presented in the following sections of the manual, in the exact order of their listing into the database.

Figure 6. Main tables in HPDT



1. Table 'BIRTHS'

The Births (Baptisms) table has three columns, hosting data regarding the child, his parents and the baptism. The table (as well as the other tables) has many fields, but not all of them are filled in for each record. The way baptisms were recorded differed on various basis, like denomination of the register and period of recording. The information in all types of parish registers gets richer the closer one gets to the early twentieth century. In some parish registers the information is incomplete or at the minimum, barely recording the date of the baptism, the name of the child, the parents' names (in some cases only the father is nominated), the godparents, and the name of the priest who performed the baptism rite. In others, there is an abundance of information besides the above-mentioned ones (e.g. occupation of parents and godparents, address of residence, relatives, etc.). Information about the death of the baptized person can also be found, sometimes filled in decades after the original baptism record. The Births table was designed so that it could include all the information that might appear in the original records. In order to better organize the information, a separate, dedicated table has been created for godparents; this table is to be filled with all available data, along with the corresponding birth entries. This table can easily display how many children were baptized by each couple of godparents.

Figure 7. Entry-form for table ‘Births’

[Home](#)

New Birth record

Information about the child	Information about the parents	Information about birth
First name <input style="width: 100%;" type="text"/> Last name <input style="width: 100%;" type="text"/> Nickname <input style="width: 100%;" type="text"/> Gender <input type="text" value="Select"/> Julian calendar <input type="checkbox"/> Birthday Day <input style="width: 30px;" type="text"/> / Month <input style="width: 30px;" type="text"/> / Year <input style="width: 30px;" type="text"/> Baptism date Day <input style="width: 30px;" type="text"/> / Month <input style="width: 30px;" type="text"/> / Year <input style="width: 30px;" type="text"/> Place of birth <input style="width: 100%;" type="text"/> Place of baptism <input style="width: 100%;" type="text"/> Multiple birth <input type="checkbox"/> Legitimacy <input type="text" value="Select"/> Stillbirth <input type="checkbox"/> Denomination <input type="text" value="Select"/> Ethnicity <input type="text" value="Select"/>	Mother first name <input style="width: 100%;" type="text"/> Mother last name <input style="width: 100%;" type="text"/> Mother nickname <input style="width: 100%;" type="text"/> Mother denomination <input type="text" value="Select"/> Mother marital status <input type="text" value="Select"/> Mother occupation <input style="width: 100%;" type="text"/> Mother birthplace <input style="width: 100%;" type="text"/> Mother residence <input style="width: 100%;" type="text"/> Mother age <input style="width: 100%;" type="text"/> Ethnicity <input type="text" value="Select"/> Father first name <input style="width: 100%;" type="text"/> Father last name <input style="width: 100%;" type="text"/> Father nickname <input style="width: 100%;" type="text"/> Father denomination <input type="text" value="Select"/> Father marital status <input type="text" value="Select"/> Father occupation <input style="width: 100%;" type="text"/> Father birthplace <input style="width: 100%;" type="text"/> Father residence <input style="width: 100%;" type="text"/> Father age <input style="width: 100%;" type="text"/> Ethnicity <input type="text" value="Select"/>	Midwife <input style="width: 100%;" type="text"/> Ointed <input type="checkbox"/> Inoculated/Vaccinated <input type="checkbox"/> Inoculation/vaccination date Day <input style="width: 30px;" type="text"/> / Month <input style="width: 30px;" type="text"/> / Year <input style="width: 30px;" type="text"/> Witness/Physician first name <input style="width: 100%;" type="text"/> Witness/Physician last name <input style="width: 100%;" type="text"/> Witness/Physician nickname <input style="width: 100%;" type="text"/> Witness/Physician gender <input type="text" value="Select"/> Witness/Physician denomination <input type="text" value="Select"/> Witness/Physician occupation <input style="width: 100%;" type="text"/> Witness/Physician residence <input style="width: 100%;" type="text"/> Ethnicity <input type="text" value="Select"/> Priest <input style="width: 100%;" type="text"/> Date of death Day <input style="width: 30px;" type="text"/> / Month <input style="width: 30px;" type="text"/> / Year <input style="width: 30px;" type="text"/> Date of burial Day <input style="width: 30px;" type="text"/> / Month <input style="width: 30px;" type="text"/> / Year <input style="width: 30px;" type="text"/> Place of death <input style="width: 100%;" type="text"/> Date of death certificate Day <input style="width: 30px;" type="text"/> / Month <input style="width: 30px;" type="text"/> / Year <input style="width: 30px;" type="text"/> Source Observations <input type="checkbox"/> Comments <input type="checkbox"/> No. of recorded individuals(+ godparents) <input style="width: 100%;" type="text"/> Source <input style="width: 100%;" type="text"/> Source page <input style="width: 100%;" type="text"/>

[Save record](#)

[Back](#)

A. INFORMATION ABOUT THE CHILD

FIRST NAME / LAST NAME / NICKNAME. The first three fields in this column account for the first name, last name and nickname of the baptized child. The information from

the parish register should be transcribed exactly as it appears in it. If there are two or three first names, all of them will be written in the first field, following the order in which they are mentioned by the source. The abbreviated names or those with missing letters will be recorded as such, and will not be completed by the data-entry operator in this stage of data collection.

GENDER. The gender can be selected from a drop-down menu. The gender may or may not be explicitly mentioned in the baptism record. In the languages in which the registers are written (Romanian, Hungarian, German, Latin) the children's names generally allow the exact identification of their gender, even if the baptism record does not explicitly mention it. Thus, the gender corresponding to the first name, male or female, is selected from the drop-down menu. In very rare situations, when the child's gender cannot be clearly established, option 10 ('Both') should be selected (for example, the Romanian first name Sava is generally used for male children, but there have been cases of women bearing it).

JULIAN CALENDAR. This box is only ticked for Orthodox parish registers, who usually follow the Julian calendar. The usage of Gregorian or Julian calendar should be detailed in the source description sheet, following a thorough verification, including comparisons between event dates in both calendars for the respective period. If both 'old style' (Julian calendar) and 'new style' (Gregorian calendar) dates are mentioned in the original source, only the 'new style' (Gregorian) date is transcribed and the box is left unticked.

BIRTHDAY / BAPTISM DATE. It will be completed according to the format day / month / year (dd / mm / yyyy). Only the information existent in the source will be filled in; if data is missing, this field is left blank. In many registers, especially those from the beginning of the nineteenth century, only the date of baptism is mentioned. In the case of Jewish registers, the date of circumcision / receipt of the name will be entered in this field.

PLACE OF BIRTH / BAPTISM. It is only filled in with the information existing in the source; if it is missing, the field is left blank. In the latter case, under no circumstances the name of the parish to which the register pertains should be filled in to either of the two fields. In the case of the Jewish registers, the place where the circumcision / receiving the name was made will be filled in.

MULTIPLE BIRTHS. If such is the case, the checkbox 'Twins' will be ticked; this opens the field Twins, with a drop-down with three options (twins, triplets, quadruplets). The corresponding number will be selected.

LEGITIMACY. This field will be filled in only if there is an explicit mention in the register. If there is not, it will be left blank. In the case of children born out of wedlock

and subsequently recognized by their fathers, the option 'Church illegitimate' will be selected from the drop-down menu; the mention of the subsequent recognition will be entered in the **SOURCE OBSERVATIONS** field. When dealing with records after 1894 there is another option to take into consideration: 'Church illegitimate/ Civil legitimate,' this situation being encountered in the cases in which the parents of the child performed only the civil marriage; thus their matrimony is legal from the State`s point of view, but they are not legitimated in the eyes of the Church.

STILLBIRTH. This checkbox is ticked if it is clear that the child was born dead. Usually, in such cases, the child has no name, no godparents and no baptism priest, because he was not baptized. However, there are rare situations, where it is explicitly mentioned in the register that "he/she was born dead", but appears as baptized, with first name and surname. As a rule of thumb, in such cases, when there is no certainty that the newborn was alive or dead at birth, the box Stillbirth will be ticked anyway, and subsequent analysis will establish a model for interpreting each of these situations.

DENOMINATION. The denomination of the child will be selected from the drop-down menu only if it is explicitly mentioned by the source. Otherwise, this field will be left blank. Under no circumstances the denomination of the parish register will be filled in if there is no explicit mention in the source.

ETHNICITY. The ethnicity of the child will be selected from the drop-down menu only if it is explicitly mentioned by the source (which is the case mostly for older parish registers). Otherwise, this field will be left blank. Under no circumstances the denomination of the parish register should be taken into account as a criterion for inferring and filling in ethnicity.

B. INFORMATION ABOUT THE PARENTS

The form includes fields for the **FIRST NAME / LAST NAME / NICKNAME** for both parents. The transcription follows the same rules as the similar fields regarding the child. In many cases, the married women mentioned in registers (especially mothers and godmothers) are mentioned only by their maiden name. In such cases, the maiden name will be entered in the **MOTHER LAST NAME** field (see **Figure 8** below).

Figure 8. Mother's maiden name

Information about the parents

Mother first name
Anica

Mother last name
Socaciu

Mother nickname

Mother gender
2: female

If there is information in the source about both the mother's marriage and maiden name, the latter will be transcribed in the field **NICKNAME**, preceded by the symbol '#'. Between the various types of information in the Nickname field, the semicolon ';' symbol should be used (see Figure 9 below).

Figure 9.

Godmother first name
Maria

Godmother last name
Făgărașan

Godmother nickname
#Bircea

Godmother gender
2: female

The same field can host further genealogical insights. If explicit information regarding the relationship between the subject and the persons suggested by the nickname (fathers, spouses, grandparents, etc.) appears in the source, this information will be entered in the fields that identify these persons (e.g. Figure 10 below: the source mentions “Szántó János Zsigmondé”, where Zsigmond is probably the baptized child's grandfather, and the suffix 'é' highlights the relation between János and Zsigmond; this name will be filled in the field **NICKNAME** as 'Zsigmondé').

Figure 10.

<p>Handwritten text: Szántó János Zsigmondé ref. vallásu földműves és neje Varga Kuzsika</p>	<p>Handwritten text: Márkos Déise.</p>	<p>Father first name János</p>
<p>Handwritten text: Szántó Lőszef fogalósé ref. vallásu földműves és neje Hosváth Máriskó ref. vall.</p>	<p>Handwritten text: Márkos Déise.</p>	<p>Father last name Szántó</p>
		<p>Father nickname Zsigmondé</p>
		<p>Father denomination 6330: Calvinist (Reformed)</p>

MOTHER / FATHER DENOMINATION. The same rules apply as to the similar field concerning the denomination of the child.

MOTHER / FATHER MARITAL STATUS. This can be selected from the dropdown menu only if it is explicitly mentioned in the source (married; never married / single; divorced; widowed; unmarried union; widowed living in unmarried union; civil union).

MOTHER/FATHER OCCUPATION (PRIMARY / SECOND / OTHER) fields. The entry form includes three occupation fields for each parent, given that multiple occupational titles are sometimes recorded in the parish registers for the same person. The information should be transcribed accordingly, respecting the order array from the source in case of multiple occupations. E.g., if a person is mentioned by the source having the occupations 'nobil' (nobility) and 'proprietariu' (owner), the first one will be transcribed in the field Father primary occupation and the following one in the field Father second occupation (See Figure 11 below).

Figure 11. Occupations

<p>Father primary occupation nobil</p>
<p>Father second occupation proprietariu</p>
<p>Father other occupations <input type="text"/></p>

The following types of information will be mandatorily recorded in the fields dedicated to occupation:

- information regarding the nobility titles (e.g. 'Nobilius', 'Comes', 'Comitissa');
- titles referring to social authority or respect (e.g. 'Illustrissima', 'Gratiosa domina', 'Spectabiles', 'Úr');
- titles within the tertiary educational field, referring to students (e.g. 'Studente', 'Student la teologie') or graduates ('Dr.');
- other information provided by the source on people's low or marginal condition (e.g. 'Saracu', 'Miser', 'Cersetor');
- a certain chronological relation between the individuals and the labor market (e.g. 'Pensionatu', 'Provisionat');
- information about the medical condition of individuals (e.g. 'Invalid', 'Orb', 'Surdu').

If the occupations are abbreviated, the exact text from the source, without any additions, shall be filled in the field designated (e.g. 'Econ.', 'Salic.', 'Spect. D.', 'Arm.').

Some of the sources provide additional information about the estate of the individuals, in form of land ownership or house propriety. In this case, the occupation will be included in the field designed for primary occupation, while the info about the house ownership will be placed in the field dedicated to the secondary occupation (see Figure 12 below). The above rules are meant to facilitate the coding of the occupational titles, status, relation and product information following the HISCO system. (van Leeuwen et alii 2002).

Figure 12. Occupation and ownership

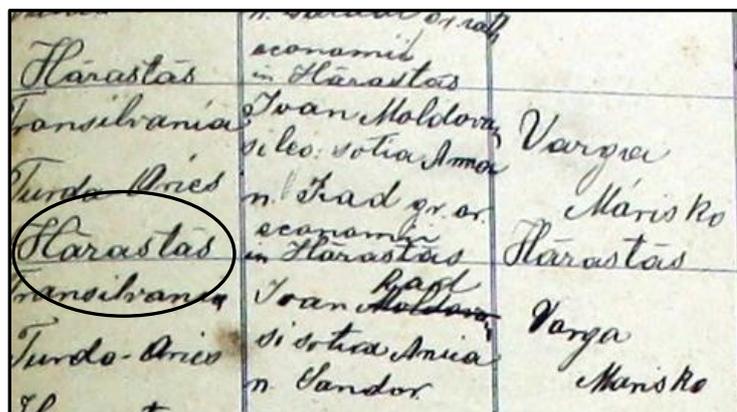
Parintii.	
Numele si Coñumele, anii, Religiunea, locuintia, statulu, si caracterulu loru	
a tatei	a maicei
<i>Iosifu To. dica 24 ani gl. in Dec. Dées Okna darin, cu casa</i>	<i>Anisca So. plecandu, de 22. de ani gl. in Dées Okna</i>

Father first name: Iosifu
 Father last name: Todica
 Father nickname:
 Father denomination: 6120
 Father marital status:
 Father primary occupation: zidariu
 Father second occupation: cu casa
 Father other occupations:
 Father birthplace:
 Father residence: Dées Okna
 Father age: 24
 Father Birthday: //
 Ethnicity:

MOTHER / FATHER BIRTHPLACE. These fields are to be filled in only with information existing in the source. Same rules apply as those concerning the field Residence.

MOTHER / FATHER RESIDENCE. These fields are to be filled in only with information existing in the source. If there is only one mention for both parents / godparents, the same information is filled out in both fields (see **Figure 13** below: for both godparents, Ioan Moldovan and his wife Anna, the field Residence will be filled in with ‘Hărăstăs’).

Figure 13. Residence

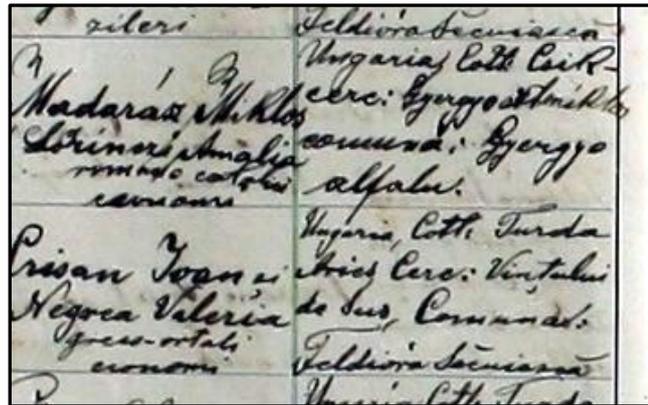


If the source also indicates the address where the parents live, it will be filled out according to the formula: town, street, number, using the exact formulations from the source (e.g.: ‘Harasztos, 110’ (when no street is indicated), or ‘Harasztos, main street, 110’ (if the street is mentioned)).

As a rule of thumb, the region, the county or the district are not to be recorded, unless they are absolutely essential in identifying the locality (e.g. for localities outside Transylvania, the country or region – Hungary, Austria, etc. – should mandatorily be included, if mentioned by the source). For the localities of Transylvania, the country, county and district will be mentioned only if the locality is in a county other than the one of which the parish is a part of, and the county is explicitly mentioned by the source (see **Figure 14**).

Clarifications and examples:

For example, for a parish register from Viișoara, if the parents’ residence is recorded in the original source as ‘Ungaria, Turda, Gyeres’, only ‘Gyeres’ (a neighbouring borough) will be recorded, because both localities, Viișoara and Câmpia Turzii (Gyeres) were part of Turda county; if it were to be ‘Ungaria, Sibiu, Szerdahely comm.’, then the whole string of places will be recorded.

Figure 14. Residence recorded in source

In the example from **Figure 14** above, because the father ('Madarász Miklos') is from another administrative unit ('Ciuc') than that of the parish register ('Turda-Arieș'), all this information will be included in the database: 'Ungaria, Csik, Gyergyoszentmiklos, Gyergyóalfalu'.

The words related to street ('strada', 'utca', etc.) will be always abbreviated by the formulas 'ut' for Hungarian ('utca') and 'st' for Romanian ('street') and German ('Strasse').

The house numbers will be inserted as they are (i.e. by using digits), avoiding the use of abbreviations such as: 'no.', 'n.', 'h.sz.', 'sz'. In the case of parish branches ('filia'), the toponym followed by 'fl' will be recorded. The abbreviations 'ut', 'st', 'fl' are never to be followed by a dot.

MOTHER / FATHER AGE. To be filled in according to the source information. If the full age is mentioned, it will be transcribed by the formula 'ymwdmh' – the age in years, months, weeks, days, hours (e.g. 28y3m5w12d6h).

MOTHER / FATHER BIRTHDAY. The same rules apply as to the similar field concerning the child's birthday.

MOTHER / FATHER ETHNICITY. The same rules apply as to the similar field concerning the ethnicity of the child.

C. INFORMATION ABOUT BIRTH

MIDWIFE. The midwife will be selected from the drop-down list.

POINTED / INOCULATED / VACCINATED. The corresponding box will be ticked only if the source provides information about the respective events.

INNOCULATION / VACCINATION DATE. The date of the child's inoculation / vaccination will be recorded. If the information on inoculation / vaccination only appears sporadically, the date will be filled in for all the children recorded up until the last child register before the line in the register where the mention is made.

WITNESS/PHYSICIAN FIRST NAME, LAST NAME, NICKNAME. If the name of the person performing the vaccination / the physician's name is recorded, but there is no witness mentioned, the data about the respective person / doctor will be filled in, and in the **COMMENTS** field a mention should be made that the doctor is also the witness to the vaccination.

WITNESS/PHYSICIAN GENDER. The same rules apply as to the similar fields concerning the child.

WITNESS/PHYSICIAN OCCUPATION. The same rules apply as to the similar fields concerning the parents.

WITNESS/PHYSICIAN RESIDENCE. The same rules apply as to the similar fields concerning the parents.

WITNESS/PHYSICIAN DENOMINATION. The same rules apply as to the similar fields concerning the parents.

WITNESS/PHYSICIAN ETHNICITY. The same rules apply as the similar fields concerning the parents.

PRIEST. The corresponding name will be selected from the drop-down list.

DATE OF DEATH, DATE OF BURIAL, PLACE OF DEATH, DATE OF DEATH CERTIFICATE. Sometimes the baptism registers also hold details regarding the death of the baptized. If such is the case, this information will be entered in the corresponding field.

Figure 15. Source Observations and Comments in HPDT



The image shows a screenshot of a software interface with a light gray background. At the top, the text 'Source Observations' is displayed above a checked checkbox. Below this is a large, empty text input field. Underneath the input field, the text 'Comments' is displayed above another checked checkbox. At the bottom, there is another large, empty text input field. The entire interface is enclosed in a thin black border.

SOURCE OBSERVATIONS. If there are various remarks in the source, this box will be ticked (**Figure 15** above), and the respective remarks will be transcribed in this field (e.g. the remark 'Baptized out of necessity' will be recorded in this field – see **Figure 16** below)

Figure 16. Source observations

Protocolul Botezaților					Parohiei Gr. Catolice a Secca						
Localitatea	Local nașterii, strada și numărul casei	Sexul botezatului	Botezatul legitim ori ilegital	Religioasa botezatului	Născut, mort	Numele și cognomele locuința, statul și caracterul părinților	Numele și cognomele, religioasa, locuința și statul părinților	Prestul botezător	Numele și cognomele moaștei	Moartea botezătorului	Observații
	Secca	fiar	le. gree	grecă catolică		Eufemia Ursaru și Barbăria Ursaru gr. cat. Secca grecă	Ioan Radu și Maria Popa gr. cat. Secca econom	Mihail Ștefu paroh	Veres Ropa		
	Secca	fata	le. gree	grecă catolică		Victor Popa și Ana Lazar gr. cat. Secca meșter	Lucia Lazar și Theodora Ștefănuț gr. cat. Secca meșter	Mihail Ștefu paroh	Veres Ropa	3 April 1955	
	Secca	fiar	le. gree	grecă catolică		Ioan Tana și Ana Florca gr. cat. Secca econom	George Botbor și Lucreția Ștefănuț gr. cat. Secca econom	Mihail Ștefu paroh	Ropa Veres	17 April 1955	botezat din necesitate
	Secca					Ioan Tana și Serghie Ștefănuț	Simion Ștefu și Serghie Ștefănuț	Mihail Ștefu paroh	Veres Ropa		

COMMENTS. If the data-entry operator has remarks, this box will be ticked and the respective comments will be recorded in the freshly opened field (see **Figure 15** above).

NO. OF RECORDED INDIVIDUALS (+ GODPARENTS). This is a normalization field, related to data management purposes. In it, the data-entry operator will record the total number of individuals mentioned in a record (the child, the parents, the godparents, etc.), except for the priest and the midwife.

SOURCE. The code of the source will be selected from the drop-down list.

SOURCE PAGE. This field records the page(s) number(s) from the parish register corresponding to the record transcribed in the database. The referenced page number is the one given by the Archival service. For the information taken from the pages below, in the Source Page field will be inserted 22v-23r, because the data comes from the verso of the page 22 and the recto of the page 23 (see **Figure 17** below).

Figure 17. Source page



2. Table ‘BETROTHALS’

Figure 18. Entry-form for table ‘Betrothals’

New Marriage Agreement record

Information about fiancé	Information about fiancée	Information about betrothal	Information about parents	Other information
Fiancé first name <input type="text"/>	Fiancée first name <input type="text"/>	Betrothal date Day <input type="text"/> / Month <input type="text"/> / Year <input type="text"/>	No. parents/curators <input type="text"/>	Source Observations <input type="checkbox"/>
Fiancé last name <input type="text"/>	Fiancée last name <input type="text"/>	Betrothal place <input type="text"/>	Fiancé father <input type="checkbox"/> Fiancé mother <input type="checkbox"/> Fiancé male curator <input type="checkbox"/> Fiancé female curator <input type="checkbox"/>	Comments <input type="checkbox"/>
Fiancé nickname <input type="text"/>	Fiancée nickname <input type="text"/>	Wedding date Day <input type="text"/> / Month <input type="text"/> / Year <input type="text"/>	Reasons for fiancé parents/curators absence <input type="text"/>	No. of recorded individuals <input type="text"/>
Julian calendar <input type="checkbox"/>	Fiancée birthday Day <input type="text"/> / Month <input type="text"/> / Year <input type="text"/>	Priest <input type="text"/>	Fiancée father <input type="checkbox"/> Fiancée mother <input type="checkbox"/> Fiancée male curator <input type="checkbox"/> Fiancée female curator <input type="checkbox"/>	Source <input type="text"/>
Fiancé birthday Day <input type="text"/> / Month <input type="text"/> / Year <input type="text"/>	Fiancée denomination Select <input type="text"/>	No. of witnesses <input type="text"/>	Reasons for fiancée parents/curators absence <input type="text"/>	Source page <input type="text"/>
Fiancé denomination Select <input type="text"/>	Fiancée ethnicity Select <input type="text"/>	Witness 1 first name <input type="text"/>	Fiancé father/curator first name <input type="text"/>	
Fiancé ethnicity Select <input type="text"/>	Fiancée residence <input type="text"/>	Witness 1 last name <input type="text"/>	Fiancé father/curator last name <input type="text"/>	
Fiancé residence <input type="text"/>	Fiancée marital status Select <input type="text"/>	Witness 1 nickname <input type="text"/>	Fiancé father/curator nickname <input type="text"/>	
Fiancé marital status Select <input type="text"/>	Fiancée literacy Select <input type="text"/>	Witness 1 gender Select <input type="text"/>	Fiancé father/curator literacy Select <input type="text"/>	
Fiancé literacy Select <input type="text"/>		Witness 1 literacy Select <input type="text"/>	Fiancé father/curator ethnicity Select <input type="text"/>	
		Witness 1 ethnicity Select <input type="text"/>	Fiancé mother/curator first name <input type="text"/>	
		Witness 2 first name <input type="text"/>	Fiancé mother/curator last name <input type="text"/>	
		Witness 2 last name <input type="text"/>	Fiancé mother/curator nickname <input type="text"/>	
		Witness 2 nickname <input type="text"/>	Fiancé mother/curator literacy Select <input type="text"/>	
		Witness 2 gender Select <input type="text"/>	Fiancé mother/curator ethnicity Select <input type="text"/>	
		Witness 2 literacy Select <input type="text"/>	Fiancée father/curator first name <input type="text"/>	
		Witness 2 ethnicity Select <input type="text"/>	Fiancée father/curator last name <input type="text"/>	
		Witness 3 first name <input type="text"/>	Fiancée father/curator nickname <input type="text"/>	
		Witness 3 last name <input type="text"/>	Fiancée father/curator literacy Select <input type="text"/>	
		Witness 3 nickname <input type="text"/>	Fiancée father/curator ethnicity Select <input type="text"/>	
		Witness 3 gender Select <input type="text"/>	Fiancée mother/curator first name <input type="text"/>	
		Witness 3 literacy Select <input type="text"/>	Fiancée mother/curator last name <input type="text"/>	
		Witness 3 ethnicity Select <input type="text"/>	Fiancée mother/curator nickname <input type="text"/>	
			Fiancée mother/curator literacy Select <input type="text"/>	
			Fiancée mother/curator ethnicity Select <input type="text"/>	

The Betrothal form is meant to facilitate the recording of data regarding the betrothals and engagements into the database, given that some denominations (e.g. Orthodox) used dedicated parish registers for this vital event; of course, this implies unavoidable overlapping with some information from the table Marriages (see below). The table is divided into five columns, corresponding to the data regarding the fiancé and fiancée, the event itself, the parents of the prospective spouses and other general source related information.

A. INFORMATION ON THE FIANCÉ/FIANCÉE

FIANCÉ/FIANCÉE FIRST NAME, LAST NAME, NICKNAME. Follows the same general rules as the analogous fields from other forms, implying the unaltered transcription of the information in the original source.

JULIAN CALENDAR. The box shall be ticked in the case of the Orthodox registers, if the source description sheet requires it, or if the compilers mentioned explicitly the use of the *Old Style Calendar for recording the event date*.

FIANCÉ/FIANCÉE BIRTHDAY. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in.

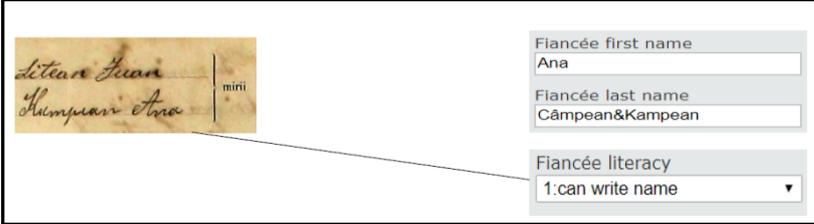
FIANCÉ/FIANCÉE DENOMINATION. If the source explicitly mentions the denomination of the fiancé/fiancée, the appropriate value shall be selected from the drop-down menu. Under no circumstances the denomination of the fiancé/fiancée should be implicitly associated with the one of the parish register.

FIANCÉ/FIANCÉE ETHNICITY. If the source explicitly mentions the ethnicity of the fiancé/fiancée, the appropriate value shall be selected from the drop-down menu. Under no circumstances the denomination of the parish register should be taken into account as a criterion for inferring and filling in ethnicity.

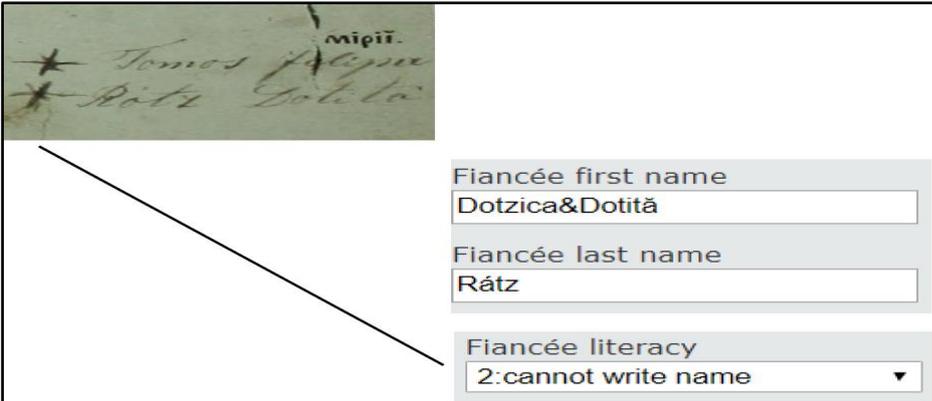
FIANCÉ/FIANCÉE RESIDENCE. To be filled in exactly as registered in the source, with abbreviations, accents and accented characters following the same rules detailed for the **MOTHER / FATHER RESIDENCE** field in table Births (see above).

FIANCÉ/FIANCÉE MARITAL STATUS. If the source mentions the marital status of the fiancé/fiancée, the appropriate value from the drop-down list should be selected.

FIANCÉ/FIANCÉE LITERACY. To be filled in according to the contents of the source. If the signature of the fiancé/fiancée is present, option ‘can write name’ should be selected (**Figure 19a**). If the letter ‘X’, or a cross appears in the original source instead of the fiancé/fiancée’s signature(s), the option ‘cannot write name’ should be selected (**Figure 19b**). If there is no signature, nor other sign of written acknowledgement of the document’s contents, no selection should be made.

Figure 19a. Fiancée literacy


Fiancée first name	Ana
Fiancée last name	Câmpean&Kampean
Fiancée literacy	1: can write name

Figure 19b. Fiancée illiteracy


Fiancée first name	Dotzica&Dotită
Fiancée last name	Rätz
Fiancée literacy	2: cannot write name

B. INFORMATION ABOUT BETROTHAL

BETROTHAL DATE. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in.

BETROTHAL PLACE. The same rules apply as to the field **FIANCÉ/FIANCÉE RESIDENCE**. Under no circumstances should the name of the parish be recorded in this field if not explicitly mentioned by the source.

WEDDING DATE. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in.

PRIEST. The corresponding name will be selected from the drop-down list. The selection follows the same rules as for the table Births (see above).

NO. OF WITNESSES. This is a normalization field, in which the data-entry operator should fill in the number of engagement witnesses recorded in the source.

WITNESSES 1, 2 AND 3 FIRST NAME, LAST NAME, NICKNAME. Follow the same rules as the analogous fields detailed above. If there are more than three witnesses, the additional ones should be recorded within the field **SOURCE OBSERVATIONS**.

WITNESSES 1, 2 AND 3 GENDER. The same rules apply as to the similar fields in the table 'Births'.

WITNESSES 1, 2 AND 3 LITERACY. The same rules apply as to the field **FIANCÉ/FIANCÉE LITERACY** (see above).

WITNESSES 1, 2 AND 3 ETHNICITY. The same rules apply as to the field **FIANCÉ/FIANCÉE ETHNICITY** (see above).

C. INFORMATION ON THE FIANCÉ'S/FIANCÉE'S PARENTS

NO. PARENTS/CURATORS. This is a normalization field, in which the data-entry operator should fill in the number of parents/curators recorded as having attended the betrothal.

FIANCÉ/FIANCÉE: MOTHER/FATHER/MALE CURATOR/FEMALE CURATOR. The adequate box (-es) should be ticked for indicating the respective individuals recorded as having attended the betrothal (see **Figure 20** below).

Figure 20. Parents`/curators` presence or absence to the marriage agreement

The form is divided into two main sections for the fiancé and the fiancée. Each section contains a text input field for the number of parents/curators, followed by four checkboxes for 'father', 'mother', 'male curator', and 'female curator'. Below these is another text input field for 'Reasons for fiancé/parent/curator absence'.

For the fiancé section:

- No. parents/curators: [text input]
- Fiancé father Fiancé mother
- Fiancé male curator Fiancé female curator
- Reasons for fiancé parents/curators absence: [text input]

For the fiancée section:

- Fiancée father Fiancée mother
- Fiancée male curator Fiancée female curator
- Reasons for fiancée parents/curators absence: [text input]

REASON FOR FIANCÉ/FIANCÉE PARENTS/CURATORS ABSENCE. If the parish register provides explanations about the absence from the betrothal of the parents/curators of the fiancé or fiancée (e.g. illness, death), those reasons should be filled in as recorded in the source.

FIANCÉ/FIANCÉE: MOTHER/FATHER/MALE CURATOR/FEMALE CURATOR FIRST NAME, LAST NAME, NICKNAME. The same rules apply as to the analogous fields from other forms about parents/fiancé/fiancée.

FIANCÉ/FIANCÉE: MOTHER/FATHER/MALE CURATOR/FEMALE CURATOR LITERACY. The same rules apply as to the analogous fields recording the fiancé/fiancée's literacy.

FIANCÉ/FIANCÉE: MOTHER/FATHER/MALE CURATOR/FEMALE CURATOR ETHNICITY. The same rules apply as to the analogous fields recording ethnicity.

SOURCE OBSERVATIONS. If there are various remarks recorded in the source, this box will be ticked, and the respective remarks will be transcribed in this field

COMMENTS. If the data-entry operator has remarks of his/her own, this box will be ticked and the respective remarks will be recorded in the freshly opened field.

NO. OF RECORDED INDIVIDUALS. This is a normalization field, related to data management purposes. In it, the data-entry operator will record the total number of individuals mentioned in a record (fiancé, fiancée, parents, witnesses, etc.), except for the priest.

SOURCE. The code of the source will be selected from the drop-down list.

SOURCE PAGE. This field records the page number(s) from the parish register corresponding to the record transcribed in the database. In the particular case of the Betrothal registers, in which the information for each event is covering only one page, the number of the respective register sheet will be recorded, followed by r or v (*recto* or *verso*, e.g: 14r, 14v).

3. Table ‘MARRIAGES’

Figure 21. Entry-form for table ‘Marriages’

Home
Manual

New Marriage record

Information about the groom	Information about the bride	Information about parents	Information about the betrothal	Information about the wedding	Information about the source
Groom first name <input type="text"/>	Bride first name <input type="text"/>	Groom father first name <input type="text"/>	Witness 1 first name <input type="text"/>	Julian calendar <input type="checkbox"/>	No. of recorded individuals (+ godparents) <input type="text"/>
Groom last name <input type="text"/>	Bride last name <input type="text"/>	Groom father last name <input type="text"/>	Witness 1 last name <input type="text"/>	Engagement date <input type="text"/>	Source <input type="text"/>
Groom nickname <input type="text"/>	Bride nickname <input type="text"/>	Groom father nickname <input type="text"/>	Witness 1 nickname <input type="text"/>	Wedding date <input type="text"/>	Source page <input type="text"/>
Groom denomination <input type="text"/>	Bride denomination <input type="text"/>	Groom father denomination <input type="text"/>	Witness 1 gender <input type="text"/>	Wedding place <input type="text"/>	
Groom ethnicity <input type="text"/>	Bride ethnicity <input type="text"/>	Groom father ethnicity <input type="text"/>	Witness 1 denomination <input type="text"/>	Wedding priest <input type="text"/>	
Groom marital status <input type="text"/>	Bride marital status <input type="text"/>	Groom father residence <input type="text"/>	Witness 1 ethnicity <input type="text"/>	Marriage bann <input type="checkbox"/>	
Groom wedding no. <input type="text"/>	Bride wedding no. <input type="text"/>	Groom father provenance <input type="text"/>	Witness 1 occupation <input type="text"/>	Marriage bann no. <input type="text"/>	
Groom birthday <input type="text"/>	Bride birthday <input type="text"/>	Groom father primary occupation <input type="text"/>	Witness 1 residence <input type="text"/>	Marriage first bann date <input type="text"/>	
Groom age <input type="text"/>	Bride age <input type="text"/>	Groom father second occupation <input type="text"/>	Witness 2 first name <input type="text"/>	Marriage second bann date <input type="text"/>	
Not virgin <input type="checkbox"/>	Not virgin <input type="checkbox"/>	Groom father other occupations <input type="text"/>	Witness 2 last name <input type="text"/>	Marriage third bann date <input type="text"/>	
Groom place of birth <input type="text"/>	Bride place of birth <input type="text"/>	Deceased <input type="checkbox"/>	Witness 2 nickname <input type="text"/>	Witness 1 first name <input type="text"/>	
Groom residence <input type="text"/>	Bride residence <input type="text"/>	Groom mother first name <input type="text"/>	Witness 2 gender <input type="text"/>	Witness 1 last name <input type="text"/>	
Groom primary occupation <input type="text"/>	Bride primary occupation <input type="text"/>	Groom mother last name <input type="text"/>	Witness 2 denomination <input type="text"/>	Witness 1 nickname <input type="text"/>	
Groom second occupation <input type="text"/>	Bride second occupation <input type="text"/>	Groom mother nickname <input type="text"/>	Witness 2 ethnicity <input type="text"/>	Witness 1 gender <input type="text"/>	
Groom other occupations <input type="text"/>	Bride other occupations <input type="text"/>	Groom mother denomination <input type="text"/>	Witness 2 occupation <input type="text"/>	Witness 1 denomination <input type="text"/>	
		Groom mother ethnicity <input type="text"/>	Witness 2 residence <input type="text"/>	Witness 1 ethnicity <input type="text"/>	
		Groom mother residence <input type="text"/>	Witness 3 first name <input type="text"/>	Witness 1 occupation <input type="text"/>	
		Groom mother primary occupation <input type="text"/>	Witness 3 last name <input type="text"/>	Witness 1 residence <input type="text"/>	
		Groom mother second occupation <input type="text"/>	Witness 3 nickname <input type="text"/>	Witness 2 first name <input type="text"/>	
		Groom mother other occupations <input type="text"/>	Witness 3 gender <input type="text"/>	Witness 2 last name <input type="text"/>	
		Deceased <input type="checkbox"/>	Witness 3 denomination <input type="text"/>	Witness 2 nickname <input type="text"/>	
		Bride father first name <input type="text"/>	Witness 3 ethnicity <input type="text"/>	Witness 2 gender <input type="text"/>	
		Bride father last name <input type="text"/>	Witness 3 occupation <input type="text"/>	Witness 2 denomination <input type="text"/>	
		Bride father nickname <input type="text"/>	Witness 3 residence <input type="text"/>	Witness 2 ethnicity <input type="text"/>	
		Bride father denomination <input type="text"/>	Witness 4 first name <input type="text"/>	Witness 2 occupation <input type="text"/>	
		Bride father ethnicity <input type="text"/>	Witness 4 last name <input type="text"/>	Witness 2 residence <input type="text"/>	
		Bride father residence <input type="text"/>	Witness 4 nickname <input type="text"/>	Witness 3 first name <input type="text"/>	
		Bride father provenance <input type="text"/>	Witness 4 gender <input type="text"/>	Witness 3 last name <input type="text"/>	
		Bride father primary occupation <input type="text"/>	Witness 4 denomination <input type="text"/>	Witness 3 nickname <input type="text"/>	
		Bride father second occupation <input type="text"/>	Witness 4 ethnicity <input type="text"/>	Witness 3 gender <input type="text"/>	
		Bride father other occupations <input type="text"/>	Witness 4 occupation <input type="text"/>	Witness 3 denomination <input type="text"/>	
		Deceased <input type="checkbox"/>	Witness 4 residence <input type="text"/>	Witness 3 ethnicity <input type="text"/>	
		Bride mother first name <input type="text"/>		Witness 3 occupation <input type="text"/>	
		Bride mother last name <input type="text"/>		Witness 3 residence <input type="text"/>	
		Bride mother nickname <input type="text"/>		Dispensation letter exists? <input type="checkbox"/>	
		Bride mother denomination <input type="text"/>		Source observations <input type="checkbox"/>	
		Bride mother ethnicity <input type="text"/>		Comments <input type="checkbox"/>	
		Bride mother residence <input type="text"/>			
		Bride mother primary occupation <input type="text"/>			
		Bride mother second occupation <input type="text"/>			
		Bride mother other occupations <input type="text"/>			
		Deceased <input type="checkbox"/>			

Save record
Back

‘Marriages’ is the largest and most complex table of HPDT (see Figure 21). In the first version of the database it required more than 100 fields, due mainly to the numerous actors involved in this type of event and to the variety of information related to them. In the second version of the database, over 70 new fields were added, as the

result of extending the data extraction process to new denominations (e.g. **SECOND/THIRD OCCUPATION, ETHNICITY** for each person involved in the event, a new set of individuals that were **WITNESSES TO THE BETROTHAL, OBSERVATIONS** made by the priest in the primary source). In the case of godparents, the large number of pairs sometimes involved – up to six pairs in one case – made it necessary to employ a solution similar to the one for the ‘Births’ and migrate the information concerning the godparents to a separate table. In the latter, each pair is linked to the original event through the record ID from the table ‘Marriages’.

A. INFORMATION ON THE BRIDE AND GROOM

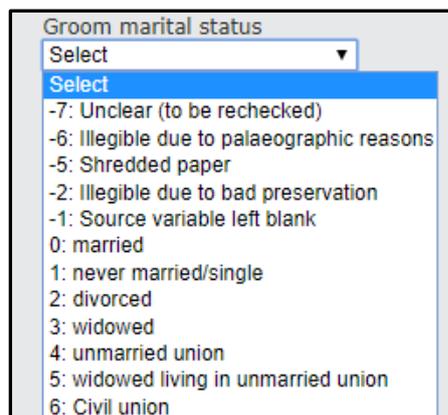
GROOM/BRIDE FIRST NAME, LAST NAME, NICKNAME. Follows the same rules as the similar fields regarding the newborn, parents, fiancé, fiancée, etc.

GROOM/BRIDE DENOMINATION. Follows the same rules as the similar fields regarding the newborn, parents, fiancé, fiancée, etc.

GROOM/BRIDE ETHNICITY. Follows the same rules as the similar fields regarding the newborn, parents, fiancé, fiancée, etc, etc.

GROOM/BRIDE MARITAL STATUS. If the source indicates the marital status of the groom/bride, the appropriate value from the drop-down list should be selected (**Figure 22**).

Figure 22. Groom Marital Status



In practice, three possible situations can be encountered:

- there are table headings for this type of information in the parish register and the information is actually recorded into the original source;
- there are no table headings for this type of information in the original source, but the use of explicit terminology associated with the ‘never married/single’ situation allows this option to be selected. The following terms are associated with the ‘never married/single’ status:

- RO: fată, fecior, fată în păr, copilă, june, jună;
- HU: ifjú, legény, leány, hajadon, kiasasszony (k. a.), úrfi, kiskorú gyermek, nőtelen, fia, leánya;
- LA: domicella, coelebs, in capillis constituta, filius, filia, spurius, spuria, proles;

c. the source holds no information on the marital status of the groom/bride, in which case the implicit label 'Select' will be choosed.

GROOM/BRIDE WEDDING NO. If the source holds explicit and distinct information on the number of marriages the bride and groom registered before the current one, it should be recorded as such. If only one number is mentioned by the source (e.g. 2, 3), lacking details on which of the newlyweds registered the respective number of marriages, it should be recorded for both of them.

GROOM/BRIDE BIRTHDAY. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in.

GROOM/BRIDE AGE. To be filled in according to the source information. If the complete age is mentioned, it will be transcribed by the formula 'ymwdmh' – the age in years, months, weeks, days, hours (e.g. 28y3m5w12d6h).

NOT VIRGIN. To be ticked only if explicitly mentioned by the source.

GROOM/BRIDE GENDER. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

GROOM/BRIDE PLACE OF BIRTH. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'

GROOM/BRIDE RESIDENCE. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'

GROOM/BRIDE OCCUPATION. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

B. INFORMATION ON THE PARENTS

GROOM FATHER / MOTHER & BRIDE FATHER/MOTHER FIRST NAME, LAST NAME, NICKNAME. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

GROOM FATHER / MOTHER & BRIDE FATHER/MOTHER GENDER. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

GROOM FATHER / MOTHER & BRIDE FATHER/MOTHER DENOMINATION. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

GROOM FATHER / MOTHER & BRIDE FATHER/MOTHER ETHNICITY. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

GROOM FATHER/MOTHER & BRIDE FATHER/MOTHER OCCUPATION The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

GROOM FATHER/MOTHER & BRIDE FATHER/MOTHER RESIDENCE The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

GROOM FATHER / MOTHER & BRIDE FATHER / MOTHER DECEASED. To be ticked only if information is explicitly recorded in the source. In some cases, only one of the parents is recorded as deceased, in which case, only the respective box should be ticked (see below **Figure 23**).

Figure 23. Marking of the deceased parent

		Numele si conumele parentiloru personelorun cununate	
		a mirelui	a miresei
Völeg.	Barta Dénes "Kármond és fia László és fia János"	Jacobus	orfan
Menyas.	Bela Barta "néh" Bela és Nagy Péter leánya	orfan	orfan
Völeg.	Ferőcz Sándor János	Sándor	orfan

In the picture above, on the left hand side, the mention *néh*[ai] placed before the name of the bride's father requires the box **DECEASED** to be ticked for the respective person. In the picture on the right hand side, the mention *orfan* followed by the bride's mother's name requires the same action.

Important specifications regarding sections C (Information about the Betrothal) and D (information about the wedding) below. Both sections contain reference to the people acting as witnesses to the betrothal, respectively the wedding. The data-entry operator must be careful at all times to correctly identify the type of witnesses the information from the source refers to, and if there are any doubts in this regard, she/he should ask for a second opinion before proceeding with the data-entry activities. Also, if the same witnesses appear in both cases, they shall be recorded in both sections and shall be counted as multiple persons. E.g., if the same two persons act as witnesses upon betrothal and wedding, they shall be recorded in both sections, with complete information, *and shall be counted as four witnesses.*

C. INFORMATION ABOUT THE BETROTHAL

WITNESS 1, 2, 3 & 4 FIRST NAME, LAST NAME, NICKNAME. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

WITNESS 1, 2, 3 & 4 GENDER. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

WITNESS 1, 2, 3 & 4 DENOMINATION. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

WITNESS 1, 2, 3 & 4 ETHNICITY. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

WITNESS 1, 2, 3 & 4 OCCUPATION. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

WITNESS 1, 2, 3 & 4 RESIDENCE. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

D. INFORMATION ON MARRIAGE

JULIAN CALENDAR. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

ENGAGEMENT/WEDDING DATE. Register the engagement, respectively the wedding date. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in.

WEDDING PLACE. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

WEDDING PRIEST. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

MARRIAGE BANN. Tick if the source contains any information regarding the marriage banns, namely the public announcement in the church of the future marriage – either the dates of the banns or the fact that were announced without any other specification (see **Figure 24** below).

Figure 24. Marriage banns

Marriage bann

Marriage bann no.

Marriage first bann date
/ /

Marriage second bann date
/ /

Marriage third bann date
/ /

MARRIAGE BANN NO. Write the number of banns specified in the source, even if their dates are not recorded.

DATE OF MARRIAGE BANNS. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in, but if the month or the year it's not repeated because it's the same, they can be filled in.

WITNESS 1, 2 & 3 FIRST NAME, LAST NAME, NICKNAME. The same rules apply as to the similar fields regarding parents, godparents, etc (see **Figure 25** below). If there are more than three witnesses (either for marriage or for engagement), the others should be recorded within the field **SOURCE OBSERVATIONS**. If the source mentions collective witnesses (e.g. 'the entire village', 'the neighbours') these shall be registered in **SOURCE OBSERVATIONS**.

WITNESS 1, 2 & 3 GENDER. The same rules apply as to the similar fields in the tables 'Births' and 'Betrothals'.

WITNESS 1, 2 & 3 DENOMINATION. The same rules apply as to the similar fields regarding parents, godparents, etc.

WITNESS 1, 2 & 3 ETHNICITY. The same rules apply as to the similar fields regarding parents, godparents, etc.

WITNESS 1, 2 & 3 OCCUPATION. The same rules apply as to the similar fields regarding parents, godparents, etc.

WITNESS 1, 2 & 3 RESIDENCE. The same rules apply as to the similar fields regarding parents, godparents, etc.

Figure 25. Witness 1 information

Witness 1 first name	<input type="text"/>
Witness 1 last name	<input type="text"/>
Witness 1 nickname	<input type="text"/>
Witness 1 gender	Select ▼
Witness 1 denomination	Select ▼
Witness 1 ethnicity	Select ▼
Witness 1 occupation	<input type="text"/>
Witness 1 residence	<input type="text"/>

DISPENSATION LETTER EXISTS? If there is a dispensation letter mentioned, tick and write the date of granting the dispensation in the field **DISPENSATION DATE**, and its type in the field **DISPENSATION TYPE**. In case the dispensation type is not mentioned within the dropdown list, tick **'Other Type of Dispensation'** and fill in its type at **COMMENTS** (see **Figure 26** below).

Figure 26. Dispensation letters

Dispensation letter exists?	Select
<input checked="" type="checkbox"/>	-7: Dispensation type not mentioned
Dispensation date	-6: Illegible due to palaeographic reasons
Day <input type="text"/> / Month <input type="text"/> / Year <input type="text"/>	-5: Shredded paper
Type of dispensation	-2: Illegible due to bad preservation
Select ▼	-1: Source variable left blank
Other dispensations	1: Dispensation from unspecified family relation
<input checked="" type="checkbox"/>	100: Dispensation from the impediment of consanguinity
Type of dispensation	200: Dispensation from the impediment of affinity
Select ▼	300: Dispensation from the impediment of age
Type of dispensation	400: Dispensation from the impediment of mourning
Select ▼	500: Dispensation from the impediment of sacred time
	600: Dispensation from the impediment of disparity of worship or disparity of cult
	700: Dispensation from the impediment of mixed marriage (ethnicity)
	800: Dispensation of marriage banns
	900: Other dispensation letters

SOURCE OBSERVATIONS. If there are mentions or observations in the source, tick this box and copy **precisely** the respective observation in the freshly opened field. If additional explanations from the data-entry operator are required, they shall be recorded between square brackets.

COMMENTS. If the data-entry operator has its own observations related to the whole entry (others than those mentioned above, related to the particular observations extracted from the source), the box should be ticked and the observations recorded in the freshly opened field.

E. INFORMATION ON THE SOURCE

NO. OF RECORDED INDIVIDUALS. This is a normalization field, related to data management purposes. In it, the data-entry operator will record the total number of individuals mentioned in a record (groom, bride, parents, witnesses, etc.), except for the priest.

SOURCE. The code of the source will be selected from the drop-down list.

SOURCE PAGE. This field records the page number(s) from the parish register corresponding to the record transcribed in the database.

4. Table ‘DEATHS’

Figure 27. Entry-form for table ‘Deaths’

The form is titled "New Death record" and includes navigation links for "Home" and "Manual". It is organized into three main sections:

- Information about the deceased:** Includes fields for Deceased first name, last name, nickname, age, gender (dropdown), primary and second occupations, other occupations, marital status (dropdown), Stillbirth (checkbox), Infant (0-1 year) (checkbox), Child (1-14 year) (checkbox), Legitimacy (dropdown), Deceased denomination (dropdown), Deceased ethnicity (dropdown), Deceased birth place, Deceased residence, Julian calendar (checkbox), and Birthday (Day/Month/Year).
- Information about relatives of the deceased:** Includes fields for Father (first name, last name, nickname, primary and second occupations, other occupations, denomination (dropdown), ethnicity (dropdown), residence, Birth Place) and Mother (first name, last name, nickname, primary and second occupations, other occupations, denomination (dropdown), ethnicity (dropdown), residence, Birth Place). It also includes checkboxes for "Deceased" and "Maternal grandfather" with corresponding fields for name, nickname, occupation, denomination, ethnicity, and residence. Spouse information includes first name, last name, nickname, primary and second occupations, other occupations, denomination (dropdown), ethnicity (dropdown), residence, and Birth Place.
- Information about burial:** Includes Date of death (Day/Month/Year), Date of burial (Day/Month/Year), Place of burial, Funeral Type, Issue date of death certificate (Day/Month/Year), Number of death certificate, Cause of death, Was the soul taken care of? (checkbox), Date of the last Sacrament (Day/Month/Year), If not why?, Burial priest (dropdown), Confessor (dropdown), Source Observations (checkbox), Comments (checkbox), No. of recorded individuals, Source (dropdown), and Source page (dropdown).

At the bottom left, there are buttons for "Save record" and "Back".

The entry-form for table ‘Deaths’ is divided into three sections of fields, corresponding to the information regarding the deceased, his/her relatives (parents,

husband/wife) and the event itself. A separate table allows the registration of relatives of the deceased, other than the ones included in the current form.

A. INFORMATION ABOUT THE DECEASED

DECEASED FIRST NAME, LAST NAME, NICKNAME. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', and 'Marriages'. The maiden name of a deceased married female, name change of the deceased, introduced by 'alias' or other similar phrasings if mentioned by the source should also be recorded in the field **NICKNAME** with the symbol '#' in front of them. The same field will be used for recording the formula 'Junior' or 'Senior', when mentioned by the source.

Aetas					
a nativitate usque ad annum 1	ab anno 1-4	a 4-20	a 20-40	a 40-65	ultra 65 annos
					✓
					✓
					61
	12 ann. b. mens.				

DECEASED AGE. To be filled in according to the source information (See **Figures 28a** and **28b**). If the complete age is mentioned, it will be transcribed by the formula 'ymwdmh' – the age in years, months, weeks, days, hours (e.g. 28y3m5w12d6h). For the children that died in their first day of life, the source component of the database will record the original registration of hours or minutes, which in the standardized component will be round up to a day, in order to facilitate the analysis. Some parish registers, mainly Roman-Catholic ones, have dedicated fields for age groups (e.g. under one year old, between one and four, four and 20, 20 and 40, 40 and 65, and over 65 years old). The proper fill in of the data thus rested with the priest; some members of the clergy filled the exact age in the respective field, while others simply ticked the field of the deceased's age group.

Figure 28a. A Roman-Catholic parish register with a header that groups ages.

The first two entries in the source, placed in a red square, are basic markings of the age group's field. In the database, the first entry, corresponding to 'over 65 years' has been filled in as 'cca65y' due to the lack of further information; the second one corresponds to the group 'under one year old', but it was accompanied by a mention in the 'Comments' field of the parish register pointing that the deceased was four months old. The last two entries, in blue squares, have the exact age recorded in the age group fields, which was also transcribed in the database (**Figure 28b**).

Figure 28b. Age records of the deceased

Anna	Marosi	cca65y
Ioannes	Pál	4m
Franciscus	Antalfi	61y
Aloysius	Mihály	12y6m

DECEASED GENDER. The same rules apply as to the similar fields in the tables ‘Births’, ‘Betrothals’ and ‘Marriages’. The gender is being inferred according to the name of the deceased person. When this is not possible because the name is ascribed to males and females alike (e.g. Sava or Todosie, for the Romanian ethnics) option 10 (‘Both’) should be selected. If the name is illegible due to various paleographic reasons or bad preservation of the register the respective code should be selected from the dropdown list.

DECEASED OCCUPATION (PRIMARY / SECOND / OTHER). The same rules apply as to the similar fields in the tables ‘Births’, ‘Betrothals’ and ‘Marriages’.

DECEASED MARITAL STATUS. If the source mentions the marital status of the deceased, the appropriate value from the drop-down list should be selected.

STILLBIRTH, INFANT (0-1 YEARS) and CHILD (1-14 YEARS) are boxes that need to be ticked according to the situation and age of the deceased. They function as normalization fields, allowing an easier grouping of children deaths for analytical purposes, and the separate recording of stillbirths explicitly mentioned by the sources (see **Figure 29** below). Their reason of creation in the first place is related to the typological variety of age recording in the parish registers, which raised filtering issues when transcribed in the sources component of the database.

Figure 29. Checkboxes for infants/children

Stillbirth

Infant(0-1 year)

Child(1-14 year)

LEGITIMACY. The same rules apply as to the similar fields in the table ‘Births’.

DECEASED DENOMINATION. The same rules apply as to the similar fields in the tables ‘Births’, ‘Betrothals’, and ‘Marriages’.

DECEASED ETHNICITY. The same rules apply as to the similar fields in the tables 'Births', 'Betrothals', and 'Marriages'.

DECEASED BIRTH PLACE. The same rules apply as to the similar fields in the tables 'Births', 'Betrothals', and 'Marriages'.

DECEASED RESIDENCE. The same rules apply as to the similar fields in the tables 'Births', 'Betrothals', and 'Marriages'.

JULIAN CALENDAR The same rules apply as to the similar fields in the tables 'Births', 'Betrothals', and 'Marriages'.

BIRTHDAY. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in.

B. INFORMATION ABOUT RELATIVES OF THE DECEASED

FATHER / MOTHER / MATERNAL GRANDFATHER / SPOUSE FIRST NAME, LAST NAME, NICKNAME. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', and 'Marriages'. Many of the deceased were children, therefore the names of their parents were mentioned explicitly; in the Orthodox or Greek-Catholic registers there are also cases in which the name of the mother of the deceased child was missing, since the name of the father was considered sufficient for identifying her/him. The maternal grandfather's name was recorded for illegitimate children, because it was the other relevant male for identifying the deceased child.

FATHER / MOTHER / MATERNAL GRANDFATHER / SPOUSE OCCUPATION (PRIMARY / SECOND / OTHER). The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', and 'Marriages'.

FATHER / MOTHER / MATERNAL GRANDFATHER / SPOUSE DENOMINATION. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', and 'Marriages'.

FATHER / MOTHER / MATERNAL GRANDFATHER / SPOUSE ETHNICITY. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', and 'Marriages'.

FATHER / MOTHER / MATERNAL GRANDFATHER / SPOUSE RESIDENCE. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', and 'Marriages'.

IF NOT WHY? To be filled in with the reason why the dying person **was not** offered the last rites, if mentioned by the source. The last rites were usually skipped in case of children, of people who died a violent or sudden death, or if the priest was not residing in the parish. In most of the cases, the information pertaining to this field was not filled in by the person responsible with keeping the registers.

BURIAL PRIEST. The same rules apply as to the similar fields in the tables ‘Births’, ‘Betrothals’ and ‘Marriages’.

CONFESSOR. To be filled in only if the name of the confessor is explicitly mentioned within the registers. The confessor’s name can be selected from the same dropdown list as the priests’, since most of the time they were the same person, namely the local priest.

SOURCE OBSERVATIONS. The same rules apply as to the similar fields in the tables ‘Births’, ‘Betrothals’ and ‘Marriages’. In the example below (see **Figure 31**), the place of death is explicitly mentioned (‘Spitalul din Turda’ / ‘Turda Hospital’), a relatively rare information. Other mentions in the source, not related directly to the recording of vital events, should also be transcribed in this field (e.g. the mention of a canonical visitation from the dean or the bishop, who examined the accuracy of data recording in the parish registers, and undersigned their findings).

Figure 31. Source observations

Protocolul					mortilor					
si subscrisa	Parohia, local nasterii mortului, numele Inceputului, unde au locuit mortul, strada si Nr. casa	Etate (canta) mortului	Religia mortului	Starea maritala, adica: fost sau odatorita, ved. div. sau sau peniu?	Fost ca mortul griji sa stese sau nu? de n'au fost griji, din ce cauz a'au fost griji?	Felul boali, de care au murit, ordinara sau extraordinara	Local, unde s'au invecinat	Numele si comuna protelui Inceputului	Data si Sesi Annotati de mortalitate	Observatii
	Parohia, Cantel. Turda, str. Liceului, nr. 10, Turda, jud. Cluj	79 ani	got.	vidu	fast	ordinara	Turda	Chisnau Spatar	24. 3. 1911	
	Parohia, Cantel. Turda, str. Liceului, nr. 10, Turda, jud. Cluj	6 luni	got.	prunc	ca prunc sau	ordinara	Turda	Chisnau Spatar	12. 12. 1910	
	Parohia, Cantel. Turda, str. Liceului, nr. 10, Turda, jud. Cluj	3 luni	got.	prunc	ca prunc sau	ordinara	Turda	Chisnau Spatar	12. 12. 1910	
	Parohia, Cantel. Turda, str. Liceului, nr. 10, Turda, jud. Cluj	11 ani	got.	prunc	ca prunc sau	puscat de boala	Turda	Chisnau Spatar	12. 12. 1910	Spitalul din Turda
	Parohia, Cantel. Turda, str. Liceului, nr. 10, Turda, jud. Cluj	14 ani	got.	prunc	ca prunc sau	ordinara	Turda	Chisnau Spatar	12. 12. 1910	

COMMENTS. The same rules apply as to the similar fields in the tables ‘Births’, ‘Betrothals’ and ‘Marriages’.

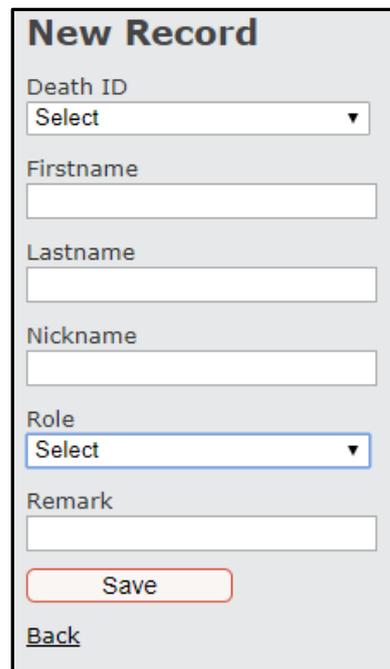
NO. OF REGISTERED INDIVIDUALS. The same rules apply as to the similar fields in the tables ‘Births’, ‘Betrothals’ and ‘Marriages’.

SOURCE. The same rules apply as to the similar fields in the tables 'Births', 'Betrothals' and 'Marriages'.

SOURCE PAGE. The same rules apply as to the similar fields in the tables 'Births', 'Betrothals' and 'Marriages'.

5. Table 'DECEASED RELATIVES'

Figure 32. Entry-form for table 'Deceased relatives'



New Record

Death ID
Select ▼

Firstname

Lastname

Nickname

Role
Select ▼

Remark

[Back](#)

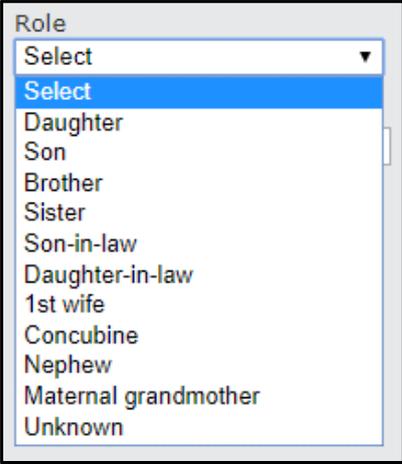
The mention by the death registers of other relatives than father, mother, maternal grandfather or spouse of the deceased led to the employment of this secondary table, linked to table 'Deaths'.

DEATH ID. From this dropdown table the data-entry operator chooses the ID of the entry in the 'Deaths' table corresponding to the currently recorded relative of the deceased.

FIRSTNAME / LASTNAME / NICKNAME. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

ROLE. From this dropdown table the data-entry operator chooses from a list of pre-defined kin relationships. The list includes the children and children-in-law of the deceased, brothers, concubine, etc. but also the 'Unknown' option, for those cases in which the parish register does not clearly state the relationship between the deceased and the respective person. If the source mentions a kin relationship not present in the list, the latter should be appended before completing the entry. (See **Figure 33**).

Figure 33. Role table



The image shows a dropdown menu with the title "Role". The menu is open, displaying a list of relationship roles. The first item, "Select", is highlighted in blue. The other items in the list are: Daughter, Son, Brother, Sister, Son-in-law, Daughter-in-law, 1st wife, Concubine, Nephew, Maternal grandmother, and Unknown.

Role
Select
Daughter
Son
Brother
Sister
Son-in-law
Daughter-in-law
1st wife
Concubine
Nephew
Maternal grandmother
Unknown

REMARKS. Further data in the original source about the status, ethnicity or occupation of the relative (e.g. 'spinster', 'Gypsy', 'married', 'illegitimate') should be recorded in this field.

6. Table 'GODPARENTS'

Figure 34. Entry-form for table 'Godparents'

Editing Godparents			
Person role	Information about godfather	Information about godmother	Information about event
Baptism Witness <input type="checkbox"/>	Godfather first name Miclos	Godmother first name Maria	Birth <input type="checkbox"/>
Confirmation Godparent <input type="checkbox"/>	Godfather last name Oia	Godmother last name Borbely	Marriage <input checked="" type="checkbox"/>
	Godfather nickname _____	Godmother nickname _____	Observations <input type="checkbox"/>
	Godfather denomination Select	Godmother denomination Select	
	Godfather ethnicity Select	Godmother ethnicity Select	
	Godfather occupation _____	Godmother occupation _____	
	Godfather residence _____	Godmother residence _____	
		Select relation between godparents Select	
<input type="button" value="Save record"/>			
Show Back			

The fifth main table of HPDT is dedicated to the spiritual parents of the baptized children, of the newly confirmed persons, or of the young couple who performed the marriage sacrament. The entry-form is divided into four sections, dedicated to the key role of the persons in the events, general information on godparents / witnesses, and the leading event in which they acted in this capacity.

A. PERSON ROLE

This section only refers to those instances not fully covered by the fourth section (Information about the event), i.e. baptism witness and Confirmation godparent.

BAPTISM WITNESS. The respective box should be ticked only if the recorded person(s) play(s) the role of witness at the moment of baptism, situation occurring in the case of Jewish, Reformed (Calvinist) and Lutheran denominations.

CONFIRMATION GODPARENT. The respective box should be ticked only if the recorded person(s) acted as godparents in a children confirmation rite; mainly the case of Reformed (Calvinist) and Roman-catholic denominations.

B. INFORMATION ABOUT GODFATHER/GODMOTHER

GODFATHER/GODMOTHER FIRST NAME, LAST NAME, NICKNAME. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

GODFATHER/GODMOTHER DENOMINATION. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

GODFATHER/GODMOTHER ETHNICITY. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'. Under no circumstances should denomination be considered an argument for inferring ethnicity, if the latter is not explicitly mentioned by the source.

GODFATHER/GODMOTHER OCCUPATION. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

GODFATHER/GODMOTHER RESIDENCE. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

SELECT RELATION BETWEEN GODPARENTS. In some cases, the parish registers bear accurate mention on the liaison between the two godparents. In such cases, the respective relation should be selected from the dropdown list (e.g. wife, daughter, mother, sister, parent-in-law, grandmother, cousin) (See **Figure 35**).

Figure 35



C. INFORMATION ABOUT EVENT

BIRTH/MARRIAGE. The data entry operator chooses the type of event in which the recorded persons took part by checking the appropriate box, and then selects from the opening dropdown list the ID of the entry in the 'Births' or 'Marriage' tables corresponding to the event. In cases involving Jewish, Reformed (Calvinist) and Lutheran denominations, the appropriate box in the first section of the data-entry form should also be ticked (see above A. Person role. **BAPTISM WITNESS**).

If more than one pair of godparents / witnesses is recorded by the source as attending the event, a new entry in the table 'Godparents' should be made for each pair or single godparent / witness following the first pair.

OBSERVATIONS. If the data-entry operator has special remarks to make (problems with the source, mistakes made by the priests, etc), they should be entered in the field which opens after the box is being ticked.

7. Table 'CONVERTS'

Figure 36. Entry-form for table 'Converts'

New Convert Record	Information about the person	Information about event
	First Name <input type="text"/>	Priest <input type="text"/>
	Last name <input type="text"/>	Event Date Day <input type="text"/> / Month <input type="text"/> / Year <input type="text"/>
	Nickname <input type="text"/>	Event place <input type="text"/>
	Sex Select <input type="text"/>	Role Select <input type="text"/>
	Denomination Select <input type="text"/>	Source <input type="text"/>
	Former Denomination Select <input type="text"/>	Source page <input type="text"/>
	Occupation <input type="text"/>	Related Person Select <input type="text"/>
	Birth Place <input type="text"/>	Remarks <input type="text"/>
	Birthday Day <input type="text"/> / Month <input type="text"/> / Year <input type="text"/>	
	Residence <input type="text"/>	
	Age <input type="text"/>	
	Ethnicity Select <input type="text"/>	
	Marital Status Select <input type="text"/>	
	Literacy Select <input type="text"/>	
	<input type="button" value="Save Record"/>	

Table 'Converts' was built in order to accommodate information from the church documents dedicated specifically to this event. Such sources are few in numbers, and the involved persons are usually also mentioned in other types of vital registration, yet

the recording of their non-converted relatives (spouses, children, parents) can prove helpful in the process of family reconstitution.

CONVERT'S FIRSTNAME / LASTNAME / NICKNAME. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

CONVERT'S SEX. The same rules apply as to the similar fields in the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths', including the cases in which the sex cannot be inferred due to onomastic or palaeographic reasons.

CONVERT'S DENOMINATION. The new denomination of the convert person, namely the denomination of the parish register in which the conversion was recorded, will be selected from the drop down list.

CONVERT'S FORMER DENOMINATION. The former denomination of the convert person, which is usually explicitly mentioned, will be selected from the drop down list. If the source has failed to register this detail, the default option 'Select' should not be changed.

CONVERT'S OCCUPATION. The same rules apply as to the similar fields in the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'

CONVERT'S BIRTHPLACE. To be filled in only if explicitly mentioned in the source as the birthplace (and not the residence) of the convert person.

CONVERT'S BIRTHDAY. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in.

CONVERT'S RESIDENCE. To be filled in exactly as registered in the source, with abbreviations, accents and accented characters following the same rules detailed for tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

CONVERT'S AGE. To be filled in according to the source information. If the complete age is mentioned, it will be transcribed by the formula 'ymwdmh' – the age in years, months, weeks, days, hours (e.g. 28y3m5w12d6h).

CONVERT'S ETHNICITY. If the source explicitly mentions the ethnicity, the appropriate value shall be selected from the drop-down menu. Under no circumstances the denomination of the parish register should be taken into account as a criterion for inferring and filling in ethnicity.

CONVERT'S MARITAL STATUS. If the source mentions the marital status of the convert person, the appropriate value from the drop-down list should be selected.

CONVET'S LITERACY. The same rules apply as to the similar fields in table 'Betrothals'.

PRIEST. The corresponding name will be selected from the drop-down list. The selection follows the same rules as for the other tables.

EVENT DATE. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in.

EVENT PLACE. The same rules apply as to the field **CONVERT'S RESIDENCE** and the other similar fields in the database.

ROLE. If the recorded person is the convert, the respective role should be selected from the drop down list. In case family members or witnesses are being mentioned in the source in relation to the convert (not necessarily converts themselves), their role should be selected from the drop down list. In the latter cases, information regarding the denomination should not be filled in, unless explicitly mentioned by the source. The person can be manually linked with the convert by means of the field **RELATED PERSON** (see below).

SOURCE. The code of the source will be selected from the drop-down list.

SOURCE PAGE. This field records the page number(s) from the parish register corresponding to the record transcribed in the database. It follows the same rules as for all similar fields in the database.

RELATED PERSON. This field provides the means of manually linking a non-converted person with a convert, by selecting the name of the latter from a drop down list and creating a link between the two records.

REMARKS. If the data-entry operator has remarks of his/her own, they will be recorded in this field.

8. Table 'CONFIRMATION'

Figure 37. Entry-form for table 'Confirmation'

New Confirmation Record

Information about the person	Information about event
<p>First Name <input style="width: 100%;" type="text"/></p> <p>Last name <input style="width: 100%;" type="text"/></p> <p>Nickname <input style="width: 100%;" type="text"/></p> <p>Confirmation name <input style="width: 100%;" type="text"/></p> <p>Sex <input style="width: 100%;" type="text" value="Select"/></p> <p>Denomination <input style="width: 100%;" type="text" value="Select"/></p> <p>Occupation <input style="width: 100%;" type="text"/></p> <p>Birth Place <input style="width: 100%;" type="text"/></p> <p>Birthday Day <input style="width: 30px;" type="text"/> / Month <input style="width: 30px;" type="text"/> / Year <input style="width: 30px;" type="text"/></p> <p>Residence <input style="width: 100%;" type="text"/></p> <p>Age <input style="width: 100%;" type="text"/></p> <p>Ethnicity <input style="width: 100%;" type="text" value="Select"/></p> <p>Marital Status <input style="width: 100%;" type="text" value="Select"/></p> <p>Literacy <input style="width: 100%;" type="text" value="Select"/></p>	<p>Priest <input style="width: 100%;" type="text"/></p> <p>Event Date Day <input style="width: 30px;" type="text"/> / Month <input style="width: 30px;" type="text"/> / Year <input style="width: 30px;" type="text"/></p> <p>Event place <input style="width: 100%;" type="text"/></p> <p>Role <input style="width: 100%;" type="text" value="Select"/></p> <p>Select Godparent <input style="width: 100%;" type="text" value="Select"/></p> <p>Source <input style="width: 100%;" type="text"/></p> <p>Source page <input style="width: 100%;" type="text"/></p> <p>Related Person <input style="width: 100%;" type="text" value="Select"/></p> <p>Remarks <div style="border: 1px solid #ccc; height: 50px; width: 100%;"></div></p>
<input style="border: 1px solid red; border-radius: 5px; padding: 5px 15px;" type="button" value="Save Record"/>	

Table 'Confirmation' hosts information extracted from the church registers dedicated to this rite of passage. The numbers of such sources is low and the involved persons are usually also mentioned in other types of vital registration. Similar to the

above mentioned case of the table 'Converts', the information can prove helpful in establishing family or social ties (the latter through godparenting).

CONFIRMED PERSON'S FIRSTNAME / LASTNAME / NICKNAME. The same rules apply as to the similar fields from the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

CONFIRMED PERSON'S SEX. The same rules apply as to the similar fields in the previously detailed tables.

CONFIRMED PERSON'S DENOMINATION. The denomination of the parish register in which the confirmation was recorded will be selected from the drop down list.

CONFIRMED PERSON'S OCCUPATION. The same rules apply as to the similar fields in the previously detailed tables.

CONFIRMED PERSON'S BIRTH PLACE. To be filled in only if explicitly mentioned in the source as the birthplace (and not the residence) of the confirmed person.

CONFIRMED PERSON'S BIRTHDAY. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in.

CONFIRMED PERSON'S RESIDENCE. To be filled in exactly as registered in the source, with abbreviations, accents and accented characters following the same rules detailed for the other tables.

CONFIRMED PERSON'S AGE. To be filled in according to the source information. If the complete age is mentioned, it will be transcribed by the formula 'ymwdmh' – the age in years, months, weeks, days, hours (e.g. 28y3m5w12d6h).

CONFIRMED PERSON'S ETHNICITY. If the source explicitly mentions the ethnicity, the appropriate value shall be selected from the drop-down menu. Under no circumstances the denomination of the parish register should be taken into account as a criterion for inferring and filling in ethnicity.

CONFIRMED PERSON'S MARITAL STATUS. If the source mentions the marital status of the confirmed person, the appropriate value from the drop-down list should be selected.

CONFIRMED PERSON'S LITERACY. To be filled in according to the contents of the source. If the signature of the confirmed person is present, option 'can write name'

should be selected. If the letter 'X', or a cross appears in the original source instead of the signature, the option 'cannot write name' should be selected. If there is no signature, nor other sign of written acknowledgement of the document's contents, no selection should be made. See also the details and figures from table 'Betrothals'.

PRIEST. The corresponding name will be selected from the drop-down list. The selection follows the same rules as for the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

EVENT DATE. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in.

EVENT PLACE. The same rules apply as to the field **CONFIRMED PERSON'S RESIDENCE** and the other similar fields in tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

ROLE. If the recorded person is the confirmed person, the respective role should be selected from the drop down list. In case the recorded person is a family member or a tutor, mentioned in the source in relation to the confirmed person, his/her role should be selected from the drop down list. In the latter cases, information regarding the denomination should not be filled in, unless explicitly mentioned by the source. The family members/tutors can be manually linked with the confirmed person by means of the field **RELATED PERSON** (see below).

GODPARENT. The name of the confirmation godparent(s) mentioned in the source will be selected from the drop down list. This implies that the respective godparents have already been recorded in the dedicated table (see above table 'Godparents').

SOURCE. The code of the source will be selected from the drop-down list.

SOURCE PAGE. This field records the page number(s) from the parish register corresponding to the record transcribed in the database. It follows the same rules as for the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

RELATED PERSON. This field provides the means of manually linking a family member or tutor with a confirmed person, by selecting the name of the latter from a drop down list and creating a link between the two records.

REMARKS. If the data-entry operator has remarks of his/her own, they will be recorded in this field.

9. Table 'NAME CHANGE'

Figure 38. Entry-form for table 'Name Change'

New name Change Record

Information about the person	Information about event
First Name <input type="text"/>	Event Date Day <input type="text"/> / Month <input type="text"/> / Year <input type="text"/>
Former First Name <input type="text"/>	Event place <input type="text"/>
Last name <input type="text"/>	Role Select <input type="text"/>
Former Last name <input type="text"/>	Source <input type="text"/>
Nickname <input type="text"/>	Source page <input type="text"/>
Sex Select <input type="text"/>	Remarks <div style="border: 1px solid #ccc; height: 40px;"></div>
Denomination Select <input type="text"/>	
Occupation <input type="text"/>	
Birth Place <input type="text"/>	
Birthday Day <input type="text"/> / Month <input type="text"/> / Year <input type="text"/>	
Residence <input type="text"/>	
<input type="button" value="Save Record"/>	

From the eighteenth to early twentieth century, it was not unusual for people to change their names, either by choosing a whole different surname, making an onomastic addition on genealogical basis, or simply adopting another language version of both the first and last name (usually the official language of the state). Over 20.000 name changes were officially allowed by the Ministry of Interior in Hungary (including Transylvania) between 1867 and 1918, sometimes, but not always, in the framework of the official Magyarisation policies (see Farkas 2012 for an annotated bibliography of the subject in international languages; see also **Figures 39a-c** below). Such name changes were sometimes recorded in the parish registers, as additional information to the standard fields, or in the 'Observations' field of the source. In order for this type of information to be easily accessible for linkage purposes, the database developers have chosen to use a dedicated entry form.

Figure 39a. Name change record (Jewish to Hungarian)

Person information	Event information
First Name: Hermán	Event Date: //1907
Former First Name: Hermán	Event place:
Last Name: Horváth	Role:
Former Last Name: Hirsch	Source: 140001
Nickname:	Source place: Nuşfalău
Sex: 1	Source page: 43r
Denomination:	Remarks: %%A járás fszbió 1877-907 rg. sz. a velem közölt 37019 or. m. K. B. m. ur rendelet szerint e rovatban levő család név "Horvath" ra átváltoztatott.%% [Schimbare de nume]
Occupation:	
Birth Place: Doh	
Birthday: //	
Residence:	Entry author: [REDACTED]
	Modified by:
	Entry date: 13/05/2016 07:26

Figure 39b. Name change record (Romanian to Hungarian)

Person information	Event information
First Name: Carolu	Event Date: 28/12/1914
Former First Name: Carolu	Event place:
Last Name: Vásárhelyi	Role:
Former Last Name: Popa	Source: 010037
Nickname:	Source place: Ocna-Mureş
Sex: 1	Source page: 7v-8r
Denomination:	Remarks: Conumele de Popa cu facultatea ministerului de interne de dta 17 nov. 1914 Nr.185707 1900si la schimbat in „Vásárhelyi” 28/XII [semnătura] B Popu parochu.
Occupation:	
Birth Place: Muresiu-Uiora	
Birthday: 29/1/1881	
Residence:	Entry author: [REDACTED]
	Modified by:
	Entry date: 23/02/2017 11:20

Figure 39c. Name change record (Hungarian to Romanian)

Person information	Event information
First Name: Theodorus	Event Date: //1919
Former First Name: Theodorus	Event place:
Last Name: Pădurean	Role:
Former Last Name: Erdős	Source: 010040
Nickname:	Source place: Ocna Mures
Sex: 1	Source page: 12v-13r
Denomination:	Remarks: %%12183/1919 conumele de Erdős sa permis sa se schimbe respective prein numele original familiar Pădurean. Emil Pop, paroch%%.
Occupation:	Entry author:
Birth Place:	<div style="background-color: black; width: 100px; height: 15px;"></div>
Birthday: //	Modified by:
Residence:	Entry date: 03/05/2017 08:23

FIRSTNAME / LASTNAME / NICKNAME. The current (new) names of the person will be filled in this fields. Same rules apply as to the similar fields from the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

FORMER FIRSTNAME / FORMER LASTNAME. The former names of the person will be filled in this fields. Same rules apply as to the similar fields from the tables 'Births', 'Betrothals', 'Marriages', and 'Deaths'.

SEX. The same rules apply as to the similar fields in the previously detailed tables.

DENOMINATION. The denomination of the parish register in which the confirmation was recorded will be selected from the drop down list.

OCCUPATION. The same rules apply as to the similar fields in the previously detailed tables.

BIRTH PLACE. To be filled in only if explicitly mentioned in the source as the birthplace (and not the residence) of the confirmed person.

BIRTHDAY. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in.

RESIDENCE. To be filled in exactly as registered in the source, with abbreviations, accents and accented characters following the same rules detailed for the other tables.

EVENT DATE. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source. If part of the date is missing in the parish register, the respective fields shall not be filled in.

EVENT PLACE. The same rules apply as to the field **CONFIRMED PERSON'S RESIDENCE** and the other similar fields in previously detailed tables.

ROLE. If the recorded person is mentioned as having a specific role (e.g. child, witness), it shall be chosen from the drop down accordingly.

SOURCE. The code of the source will be selected from the drop-down list.

SOURCE PAGE. This field records the page number(s) from the parish register corresponding to the record transcribed in the database. It follows the same rules as for the previously detailed tables.

REMARKS. If the data-entry operator has remarks of his/her own, they will be recorded in this field.

10. Table 'PRIEST'

By performing the baptism and the matrimonial ceremony, as well as administering the last rites and conducting the burial service, church representatives were basically mentioned in every single record of the original sources, and the name of the same person can be encountered from several to several hundred times, under multiple onomastical variants. In order to eliminate redundancy and to ensure a correct registration, the records of priests, rabbis and other persons officiating religious services were normalized. The table "Priest" thus provides a separate unique record for each person who conducted in his official capacity as church representative a number of events registered in a church document.

Figure 40. Entry form for table 'Priest'

New Priest record

Code

First name

Last name

Nickname

Place of service

Parish

Denomination

Residence

Julian calendar

First mention in source

Last mention in source

Comments

[Back](#)

CODE. A unique six-digit code will be manually assigned to each combination priest / place of service (e.g. 000001). Thus, a priest mentioned in several locations will be recorded multiple times in the table 'Priest', each time with a different place of service

and receiving a different code for each occurrence. The data-entry operators will choose from the **PRIEST** drop down list the code and name corresponding to the priest and the locality in which he served when recording the event (code, full name and place name are all visible in the drop-down list).

Example: the priest Eulampie Negrea is mentioned in the localities Războieni-Cetate and Cuceredea. He is recorded twice in the table 'Priests' table, with different codes. The data entry operator will choose the code corresponding to the locality in which the priest has performed the recorded church-related service (see **Figure 41**).

Figure 41. Drop-down search with the name of the priest

The image shows a web form with a label 'Priest' above a text input field containing 'eulampie'. Below the input field is a dropdown menu with two visible options: '000001: Eulampie&Eulampiu Negrea-- Războieni-Cetate' and '000250: Eulampie Negrea-- Cuceredea'.

For Rabbis, the first digit of the code shall be replaced by the letter R (e.g. R00001).

If the person performing the baptism is a Christian, but not a priest, the code for 'Lay person' will be selected, and the letter 'L' will replace the first digit (e.g. L00001). This situation may occur at birth when, due to the physical weakness of the newborn, an emergency baptism was performed by the midwife or another present member of the family, in order to save his/her soul.

In the case of Jewish registers, the person performing the circumcision, the Mohel, will receive a similar code, starting with the letter 'M' (e.g. M00001).

FIRST NAME, LAST NAME, NICKNAME. The same rules apply as to the similar fields from the previously detailed tables.

PLACE OF SERVICE. Same as the locality of the source.

PARISH. To be filled in only when multiple parishes of the same denomination exist in the same locality.

DENOMINATION. The same rules apply as to the similar fields from from the previously detailed tables.

RESIDENCE. To be filled in only if explicit information on the priest's residence is recorded in the source.

JULIAN CALENDAR. The same rules apply as to the similar fields from from the previously detailed tables.

FIRST MENTION IN SOURCE. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source, marking the first appearance of the priest in the source for all the events counted in the respective register.

LAST MENTION IN SOURCE. The same rules apply as to the field **FIRST MENTION IN SOURCE**, now marking the last mention of the priest in the respective document(s).

COMMENTS. The same rules apply as to the similar fields from from the previously detailed tables.

For research and verification purposes, each record in the table 'Priest' allows the listing of all other records of individuals related to the services performed by the respective church representative (**Figure 42**).

Figure 42. Listing of the events associated to a church personell code in HPDT

Code: 001266

First name: Ieremias & Hieremiasz & Ieremia

Last name: Lokián

Nickname:

Place of service: Ocna Dej

Parish: Ocna Dej

Denomination: 6120

Residence: Nima

Julian calendar: false

First mention in source: 15/08/1857

Last mention in source: 20/08/1863

Comments: Ex delegatiune Source 070056: 1862.10.02-1862.10.02

Entry author:

Modified by:

Entry date: 28/11/2018 10:32

No. crt.	Type	ID	First name	Last name	Nickname	Source code	Source page
1	Birth	65030	Geiza			070049	1v-2r
2	Birth	65039	Ilona Albertina	Bodor		070049	2v-3r
3	Birth	65041	Anna&Anna Maria	Pap		070049	2v-3r
4	Birth	65043	Georgius	Pap		070049	2v-3r
5	Birth	65044	Alexander	Kolcza		070049	2v-3r
6	Birth	65045	Anna Josepha	Kolcza		070049	2v-3r
7	Birth	65054	Georgius	Pap		070049	4v-5r
8	Birth	65055	Juliana	Pap		070049	4v-5r
9	Birth	65056	Helena Bertha	Bodor		070049	4v-5r
10	Birth	65074	Janos %%Arpad%%	Balintfy		070049	6v-7r
11	Birth	65075	Ioannes	Pál		070049	6v-7r
12	Birth	65129	Georgius	Pap		070049	7v-8r
13	Marriage	18767	Nicolau	Prodanu		070056	10v-11r
14	Death	46837	Michael	Endes		070049	1v-2r
15	Death	46839	Georgius	Endes		070049	1v-2r
16	Death	46850	Anna	Páp		070049	1v-2r
17	Death	46852	Antonius	Birta		070049	1v-2r
18	Death	46861	Anna Josepha	%%Kolcza%%		070049	2v-3r

11. Table 'MIDWIFE'

Figure 43. The entry form for table Midwife

The image shows a web-based data entry form titled "New Midwife record". At the top, there are two buttons: "Home" and "Manual". The form contains the following fields and controls:

- Code:** A text input field.
- First name:** A text input field.
- Last name:** A text input field.
- Nickname:** A text input field.
- Place of service:** A text input field.
- Residence:** A text input field.
- Occupation:** A text input field.
- Julian calendar:** A checkbox.
- First mention in source:** Three dropdown menus for Day, Month, and Year.
- Last mention in source:** Three dropdown menus for Day, Month, and Year.
- Comments:** A checkbox.
- Save record:** A button.
- Back:** A link.

Table 'Midwife' was created out of similar reasons as table 'Priest' and follows the same principles.

CODE. A unique six-digit code code will be manually assigned to each combination midwife / place of service. Thus, a midwife mentioned in several locations will be recorded multiple times, each time with a different place of service and receiving a different code for each occurrence.

The data-entry operators will choose from the **MIDWIFE** drop down list the code and name corresponding to the midwife and the locality in which she served when recording the event (code, full name and place name are all visible in the drop-down list – **Figure 44**).

Figure 44

Midwife	
Anna	
000006:	Anna Csép -- Războieni-Cetate
000007:	Anna Vas -- Călărași-Turda
000014:	Anna Szabo -- Călărași-Turda
000018:	Anna Magos -- Călărași-Turda
000050:	Anna Nyisztor Nyisztora -- Călărași-Turda
000061:	Anna -- Călărași-Turda
000098:	Anna Culoac -- Cucerdea
000101:	Anna Magos -- Cucerdea
000105:	Anna Szuts -- Cucerdea
000111:	Anna Stoikáe -- Cucerdea
000113:	Anna Puscas -- Cucerdea
000176:	Anna Lengyel Péterné Rác -- Cucerdea
000269:	Suzanna Szánduj -- Călărași-Turda
000276:	Anna Nagy -- Călărași-Turda
000277:	Anna Feticza -- Călărași-Turda
000281:	Ioanna vidua Basilii Bagi -- Călărași-Turda

FIRST NAME, LAST NAME, NICKNAME. The same rules apply as to the similar fields from the previously detailed tables.

PLACE OF SERVICE. Same as the locality of the source.

RESIDENCE. To be filled in only if explicit information on the priest's residence is recorded in the source.

OCCUPATION. The same rules apply as to the similar fields from from the previously detailed tables.

JULIAN CALENDAR. The same rules apply as to the similar fields from from the previously detailed tables.

FIRST MENTION IN SOURCE. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source, marking the first mention of the midwife for all the events counted in the respective source.

LAST MENTION IN SOURCE. The same rules apply as to the field **FIRST MENTION IN SOURCE**, now marking the last mention of the midwife in the respective document(s).

COMMENTS. The same rules apply as to the similar fields from from the previously detailed tables.

Some midwives were active for short periods of time or were present for a single event, others were professional midwives who birthed for decades in the same community. Similar to the table 'Priests', all the events associated with a midwife are listed for research and verification purposes (**Figure 45** – the field **COMMENTS** includes all the name variants of the same midwife recorded in the source).

Figure 45. Listing of the events associated to a midwife code in HPDT

Code: 000005						
First name: Rachel						
Last name: Csorba						
Nickname:						
Place: Călărași-Turda						
Residence:						
Occupation:						
Julian calendar: false						
First mention: 06/09/1863						
Last mention: 30/01/1895						
Comments: Corba Ra, Corba, Csorba Ratie, Csorba Raki, Csorba Raki (tot una si aceasi Tott cu Csorba Raki o nota la p. 6), Csorba Raci, Ráchel Csorba, Rachel Tót, Rachi Szabo, Secuianca.						
Entry author: [REDACTED]						
Modified by: [REDACTED]						
Entry date: 10/11/2014 06:51						
Associated Births:						
View Associated Births:						
No. crt.	ID	First name	Last name	Nickname	Source code	Source page
1	32	Sigismundus	Hoka		070010	7
2	35	Rosalia Elisabetha	Lukacs		070010	7
3	37	Susanna	Kiraly		070010	5
4	40	Rosalia	Magyari		070010	7
5	43	Rosalia	Pusi		070010	7
6	44	Anna	Szél		070010	7
7	45	Anna	Gram		070010	7
8	48	Lenka Elisabetha	Pap		070010	7
9	270	Géza	Tarjai		070010	12
10	272	Gregorius	Hoka		070010	12
11	278	Josephus	Hoka		070010	12

12. Table 'SOURCE'

Figure 46. Entry form for table 'Source'

New Source record

Source ID

County

Place

Parish

Denomination

Language:
Hungarian Romanian German Latin

Other languages

Alphabet:
Cyrillic Latin Kurrentschrift

Other alphabet

Recording type

Julian calendar

First record

Last record

Source location

Assigned to

Transcribed

Checked

Done

Standardized

Comments

Source records are based on the description sheet filled in prior to beginning the data entry process (see Annex no. 1). Each source record is linked to all other

records in the database extracted from the respective original source, thus allowing at any time the virtual recreation of the whole document (**Figure 47**).

Figure 47. Listing of the records associated with a source in HPDT

Source ID: 070001							
County: 07							
Place: Călărași							
Parish: Călărași							
Denomination: 6120							
Romanian: true							
Latin: true							
Recording type: B-M-D							
Julian calendar:							
First record: 1852-01-25							
Last record: 1910-12-27							
Source location: Cluj County Archive Service, Parish Registers Collection, 46-14							
Assigned to:							
Transcribed: yes							
Checked: yes							
Done: yes							
Standardized: no							
Comments: Marriages: 4 February 1852-16 February 1908 – p. 10-14 to be re-photographed; Baptisms: 25 January 1852-10 December 1910; Deaths: 8 November 1852-27 December 1910. 84 files. Cyrillic Headings.							
Entry author: ██████████							
Modified by: ██████████							
Created at: 2014-11-06 07:30:07 UTC							
Total number of records for the source 070001 : 339 71 229							
No. crt.	Type	ID	First name	Last name	Nickname	Source code	Source page
1	Birth	4061	Vasilie	Urkán		070001	14v-15r
2	Birth	4062	Vasilie	Selezan		070001	14v-15r
3	Birth	4063	Ioan	Kimpán		070001	14v-15r
4	Birth	4064	Várvara	Gazdak		070001	14v-15r
5	Birth	4065	Maria	Suciu		070001	14v-15r
6	Birth	4066	Georgie	Suciu		070001	14v-15r
7	Birth	4067	Maria	Harastasian		070001	14v-15r
8	Birth	4222	Maria	Granasir		070001	14v-15r
9	Birth	4223	Nastasia	Raddu		070001	14v-15r
10	Birth	4225	Georgie	-1		070001	14v-15r
11	Birth	4227	Vasellie	-1		070001	14v-15r

SOURCE ID. A unique six-digit code will be assigned to each source (e.g. 010001). The first two digits represent the code of the county in which the parish covered by the source is currently located. The last four digits distinguish between different sources within the same county.

COUNTY. The county of Romania in which the parish referred to in the source is currently located will be selected from the drop down menu. Each county has been assigned a unique two-digits code.

PLACE. Present-day name of the locality in which the parish referred to in the source was functioning.

PARISH. Name of the parish, as it appears in the source. It may be the older name of the locality, or a toponym, if more than one parishes of the same denomination were functioning in the same locality.

DENOMINATION. The denomination of the parish register.

LANGUAGE (HUNGARIAN / ROMANIAN / GERMAN / LATIN). One or more of the checkboxes must be ticked, according to the language(s) used in the original source.

OTHER LANGUAGES. When ticked, opens a text field where other languages used in the original source can be added.

ALPHABET (CYRILIC / LATIN / KURRENTSCHRIFT). One or more of the checkboxes must be ticked, according to the alphabet(s) used in the original source.

OTHER ALPHABET. When ticked, opens a text field where other alphabets used in the original source can be added.

RECORDING TYPE. To be filled in with abbreviations according to the type of events recorded in the original source, as following: **B** (Births), **Be** (Betrothals), **M** (Marriages), **D** (Deaths), **Cnf** (Confirmations), **Cnv** (Converts). If the source records multiple types of events, the respective abbreviations should be used, separated by a hyphen (e.g. B-Be-M-D-Cnf-Cnv).

JULIAN CALENDAR. The same rules apply as to the similar fields from from the previously detailed tables.

FIRST MENTION IN SOURCE. To be filled in following the format day/month/year (dd/mm/yyyy), and only with information mentioned by the source, marking the date of the first recorded event, irrespective of its type.

LAST MENTION IN SOURCE. The same rules apply as to the field **FIRST MENTION IN SOURCE**, now marking the date of the last recorded event, irrespective of its type.

SOURCE LOCATION. The physical location where the source can be accessed must be filled in, including information about the County Archive Service, Collection and archive call number.

TRANSCRIBED / CHECKED / DONE / STANDARDIZED. Each of the checkboxes are to be ticked, following the processing stages of the source.

COMMENTS. The same rules apply as to the similar fields from from the previously detailed tables. For sources recording multiple types of events, the first and last occurrence date of each type of event should be filled in.

IV. The genealogical interface of the database

The completion of the project conducted between 2014 and 2017 with the financial support of EEA Grants created an atmosphere of expectation among researchers, but also among passionates of genealogy and people who wished to find out more about their ancestors by means of digitized sources. The genealogical interface of the database was created with the aim of supporting such prospects (www.hpdt.ro:4080, accessed 03.04.2020). It addresses the general public and is based on HPDT sources' component, thus it provides information as extracted from the parish registers, strictly complying with the source and lacking any standardization features. The standardised database, currently under development, should gradually replace the sources' component as support for the genealogical interface, following the advancement of the cleaning and standardization procedures.

The genealogical interface covers three of the databases' main tables, namely 'Births', 'Marriages', and 'Deaths', which have previously been subjected to a primary record-linkage process. The search engine presents the users with multiple possibilities of identification of the individuals / ancestors, according to their interest and previous knowledge on the topic.

There are four main search fields: **FIRST NAME**, **LAST NAME**, **PRESENT DAY LOCATION**, and **YEAR**, which allow both field-focused and combined queries. Optionally, the chronological period can be refined by using the alternate search fields **START YEAR** and **END YEAR**.

The search engine returns all results corresponding to the queried string (e.g. the string 'ion' will return both first names 'Ion' and 'Dionisie'), but it does not support the use of Boolean operators within the search fields (e.g. a search for 'Ion' AND 'Ioan' will return no results). In the example from **Figure 48**, the search for the Firstname 'Eulampie' returned the Results displayed below: all the instances where 'Eulampie' was mentioned, meaning twice as a father of a baptized child and once as the father of a deceased one. We have selected a rare name, so that all three major events could be displayed on the same picture, as seen in **Figure 48**.

Figure 48. Search results in the genealogical database

The screenshot displays a search interface for a genealogical database. At the top right, the URL 'mail@yahoo.com' is visible. The main section is titled 'Search Database' and contains several input fields: 'Firstname:' with the value 'Eulampie', 'Lastname:' (empty), 'Present-day Location:' (empty), and 'Year:' (empty). Below these are 'Start Year:' and 'End Year:' fields, both empty. A 'Search' button is located at the bottom of this section.

The results are organized into three categories: Births, Marriages, and Deaths. Each category has a 'Show' link and a table of search results. The 'Births' table has columns for Firstname, Lastname, Mother Firstname, Mother Lastname, Father Firstname, Father Lastname, Baptism Place, Birth Place, Present-day Location, Birth Year, and Baptism Year. Two entries are shown for 'Radu Maria' and 'Radu Aurel', both born in 1913 at 'Feldioara Secuiască' and 'Războieni Cetate' respectively.

The 'Marriages' section shows a single entry for 'Groom Firstname' and 'Bride Firstname', both 'Radu', with columns for Lastname, Bride Lastname, Groom residence, Bride residence, Wedding Place, Present-day Location, Wedding Year, Groom Age, and Bride Age.

The 'Deaths' section shows a single entry for 'Firstname' and 'Lastname', both 'George' and 'Radu', with columns for Mother Firstname, Mother Lastname, Father Firstname, Father Lastname, Residence, Burial Place, Present-day Location, Death Year, Burial Year, and Birth Year.

Basic queries of common names usually return dozens or hundreds of instances, so using other filters (e.g. Lastname, Location, Year) may help the users narrow their searches.

Particular events are detailed by using the ‘Show’/‘Detalii’ button, which opens an expanded form. In it, the mention ‘missing/illegible’ indicates that the information for the respective field is not present in the original source. If the information could not be deciphered due to exceptional palaeographic reasons (deteriorated registry, ink or other type of stains, overlapped writing, etc.), the situation is marked accordingly.

In the example below (**Figure 49**), we have displayed the details regarding the first baptism from the results presented in **Figure 48** above, where ‘Eulampie’ is registered as Father of the baptized.

Figure 49. Details of search results in the genealogical database

Information about the birth of *Maria Rad*:

Firstname: Maria
Lastname: Rad
Nickname:
Sex: female
Julian Calendar: yes
Birthday: 2/8/1913
Birth Place:
Baptism Place: Feldióra Săcuiască
Denomination: orthodox
Mother Firstname: Mariă
Mother Lastname: Vințan
Mother Nickname:
Mother denomination: orthodox
Mother Occupation: Economă
Mother Birth Place:
Mother Residence: Feldióra Săcuiască
Mother Age:
Father Firstname: Eulampie
Father Lastname: Rad
Father Nickname:
Father denomination: orthodox
Father Occupation: Econom
Father Birth Place:
Father Residence: Feldióra Săcuiască
Father Age:

Back

Given that the genealogical interface currently exploits only the sources’ component of the database, public users may need to employ the auxiliary tools made available by the database owners in order to increase the relevance of the search results. Such tools are available on a dedicated page (<http://82.208.133.141:4080/documents>, accessed 02.04.2020) and include: a list of digitized sources, an onomastic catalogue, a public user manual, a catalogue of all

parish registers preserved and accessible at the Romanian National Archives' county services in Transylvania, and a report on the final results of the original project which led to the construction of the database. The onomastic catalogue includes an extended list of names, together with all their spelling variations identified within HPDT, thus allowing the user to choose the best string of letters to search for, in order to cover a wide as possible range of results related to the desired name (e.g. in order to identify all bearers of the name 'Ioan' ('John'), it is currently recommended to use multiple string variations in order to widen the range of results, as this very common first name has no less than 25 different spelling variations only in Romanian, such as 'Iuon', 'Ioanu', 'Iuanu', 'Ioane', 'Ionuțiu', 'Onuțiu', 'Onuț', etc.)

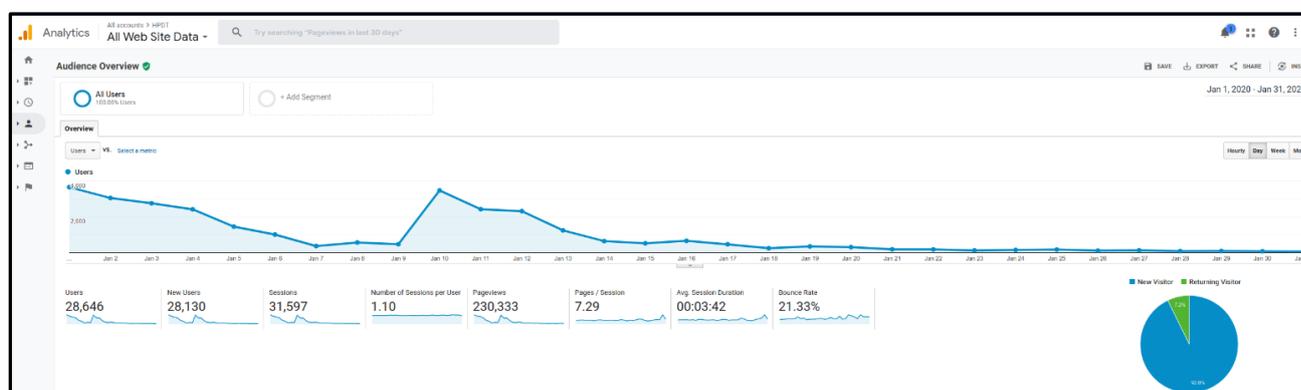
Conclusions

While manuals do not usually include an ending section, we thought that in this case some brief conclusive remarks would be required. As mentioned at the beginning of this paper, our original purpose was to deliver a working tool to the scientific community, respectively a database compatible with the current international standards (Mandemakers and Dillon 2004), as much as the sources and the logistics allowed it. The result was a database which replicates to a great extent the original source in terms of historical information, yet includes some normalization features, related mainly to the information recorded in a standardised manner in the parish registers (e.g. sex, legitimacy, denomination, ethnicity, key-role persons). Given that images of all the original sources are available in a dedicated digital repository, any queries raised by the replicated or normalized information can be resolved by confronting them with the database content.

One of the main challenges raised by such a complex tool is represented by its dependency on professional data-entry operators with advanced palaeographical training, necessary because of the particularities of the sources, and the above presented manual stands evidence in this regard. This, alongside the time-consuming character of the data entry, verification, cleaning, standardization and linkage processes, makes HPDT a high-maintenance tool, providing sharp results only following thorough data processing and research, which in turn require adequate funding.

On the other hand, the project outcome generated lofty expectancies not only among researchers, but also among the genealogy enthusiasts, or simply people who wanted to find out more about their ancestors by means of digital tools. Due to the genealogical interface of the database, this information became available a mouse click away. According to Google Analytics, in January 2020, the genealogical interface of the database counted ca. 29.000 visitors, which is a rather high figure for Romania, a country in which there is only a faible tradition of popular genealogical research (**Figure 50**)

Figure 50. HPDT users on Google Analytics



In regard to the research directions opened by HPDT, they cover, *inter alia*, areas such as history, demographics, sociology, economy, linguistics, and medical history from late 18th to mid 20th centuries. The addressed period of time represents a crucial era for the studying of fertility decline, urbanisation, household composition, occupational structure, and gender equality. The database allows advanced statistical analyses on aspects less studied until recently from a historical perspective, by making use of data from a micro-social level. In the sphere of social sciences, particularly the sociology of the family, HPDT enables new approaches on the organisation of the family, of the household, on social mobility, and various inter-generational processes. In the sphere of demographics, the phenomenon of the first demographic transition can be investigated through an approach to the micro-social level – which is highly different from the approaches already used for the Romanian/Transylvanian area. The models of fertility could be analysed according to different personal characteristics, such as class, religion, literacy, family structure. Moreover, aspects concerning the process of industrialisation as perceived at an individual level and the impact industrialisation had on the inter-generational relations can be studied – based on the data regarding occupational aspects or other economic related aspects. On top of the demographic, social, and economic characteristics of the individuals, the database will also allow new approaches in onomastics – ex. the evolution of names, the difference of name usage according to social-economic characteristics.

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Annex no. 1. Source description sheet*

Source presentation

Source ID ¹	County	Place	Parish ²	Denomination	Language	Alphabet	Recordings_type ³	Calendar (J/G)	First record ⁴	Last record ⁵	Source location, call no.	Observations ⁶
010031	Alba	Ocna Mureş	Ocna Mureş	Calvinist (Reformed)	Hungarian	Latin	B-M-D-Cnv-Cnf	G	1876.01.09	1890.12.30	Alba County Archive Service, Parish Registers Collection, 1859	<p style="text-align: center;">188 sheets</p> <p style="text-align: center;"><i>Births: 1876.01.09 – 1890.12.27 (1892.04.18)</i></p> <p style="text-align: center;"><i>Marriages: 1876.04.17 – 1890.12.30</i></p> <p style="text-align: center;"><i>Deaths: 1876.01.15 – 1890.12.30</i></p> <p style="text-align: center;"><i>Cnf: 1894–1900</i></p> <p style="text-align: center;"><i>Cnv: 1877–1889</i></p> <p style="text-align: center;"><i>A list of latter recordings was added at the end of each vital registration section.</i></p> <p style="text-align: center;"><i>Table headings vary slightly from one page to the other in the case of confirmed persons.</i></p>

Table headings

Baptisms: event no., year and date of birth and baptism, name of the baptized (boy or girl), legitimacy, name, confession and social standing of the parents, address and house no., name and social standing of the godparents, name of the baptizing priest, name of the midwife, remarks.

Weddings: event no., year and date of the event, name, social standing, birthplace and residence with house no., confession, age, marital status (unwedded, widow) of the groom and bride, name and social standing of the betrothal and wedding witnesses, name of the priest, if the regular marriage banns took place, or if a dispensation latter has been issued, remarks.

Deaths: event no., year and date of death, name and social standing of the deceased, name and social standing of the husband if the deceased is a woman, name and social standing of the father if the deceased is a child, birthplace and residence with house no., age, cause of death, place and date of burial, name of the burial priest, remarks.

Confirmations: event no., name of the newly confirmed, birthplace and residence, year of birth, remarks (including data on the confirmed's degree of literacy).

Conversions to Calvinism: event no., year and date of the conversion, previous confession, place of birth and residence of the newly converted, name of the priest, witnesses for renouncing the old faith, witnesses for accepting the new faith, remarks.

* Authors' note: original table headings and instructions in footnotes are written in English; the text in italics is an example of actual information from a source description sheet; it was translated and kept here for exemplification purposes.

¹ Code will be inserted at a later time, by a HPDT team member.

² If there are more parishes of the same denomination in the same locality – in towns, or large communes –, this field will contain the name of the parish (e.g. Sibiu I, Sibiu II, etc.). For small villages with only one parish/denomination, this field will contain the name of the village.

³ Legend: B (baptisms), M (marriages), D (deaths), Cnf (confirmations), Cnv (conversions), Bless (blessings), V (vaccinations). Example: B-M-D-Bless-Cnf.

⁴ YYYY.MM.DD. **Correct: 1850.12.20** Incorrect: 20.12.1850. **Correct: 1850.12.02, 1850.07.02.** Incorrect: 1850.12.2, 1850.7.2.

⁵ YYYY.MM.DD.

⁶ No. of sheets; if there are important annotations (do not copy the annotation, but please indicate its date, if specified, and provide a short description); if the register is damaged and which sheets are damaged or missing; if the register contains information about multiple types of events (e.g. baptisms, marriages, deaths) it is compulsory to mention, in the field Observations, the time span covered by each type of event (e.g. Baptisms: 1780.02.28-1831.05.30; Marriages: 1773.01.08-1855.04.18; Deaths: 1773.02.21-1826.12.27; Cnv 1773-1828, 1843-1883).

Table 'PRIESTS'

Code ⁷	First name	Last name	Nickname	Place of service	Parish	Denomination	Residence	Calendar (J/G)	First mention ⁸	Last mention ⁹	Observations
000603	István Gy.	Szigeti		Ocna Mureş		Calvinist	Ocna Mureş	G	1876.01.15	1876.04.23	
000685	György	Földes		Ocna Mureş		Calvinist	Ocna Mureş	G	1876.05.04	1881.04.20	
000708	János	Sándor		Ocna Mureş		Calvinist	Mirăslău	G	1879.05.25	1879.05.25	Miriszló [priest from]
000612	Dávid	Pap		Ocna Mureş		Calvinist	Noşlac	G	1879.06.20	1881.09.20	N. Lak [priest from]
000605	Beniámin&Benjámín	Pap&Pop	Az oláh pap	Ocna Mureş		Orthodox??		G	1881.05.28	1887.10.02	
[...]											
Lay persons											
L00033	Antal	Pethő		Ocna Mureş		Calvinist	Ocna Mureş	G	1876.01.27	1890.04.11	Cantor [church singer]

Table 'MIDWIVES'

Code ¹⁰	First name	Last name	Nickname	Place of service	Place of residence	Calendar (J/G)	First mention ¹¹	Last mention ¹²	Observations
001473			Jánosiné	Ocna Mureş		G	1876.01.09	1876.02.19	
001461	Sarolta	Kovács	Gulácsi Albertné&Gulácsiné	Ocna Mureş		G	1876.01.04	1890.12.12	
001475	Anna&Ána	Nikóra&Nyikora		Ocna Mureş		G	1876.04.15	1878.09.23	

Mandatory steps for quickly establishing the first and the last mention of priests and midwives:

Step 1: start by going through the whole register, from the first to the last recorded event, and extract the names of the priests and their first date of occurrence/mention ONLY;

Step 2: go through the register in reverse, from end to beginning, and extract the last date of occurrence/mention of the priests;

Step 3: if you are working with a 'Baptisms' register, repeat the previous two steps for the midwives. Never extract priests and midwives at the same time;

Corollary: if the number of midwives surpasses 40-50 (usually in big cities or in highly scattered mountain villages) you should use a different approach: instead of going forth and back through the register, just go from the beginning to the end and keep modifying the last date of occurrence/mention each time the midwife is re-mentioned.

Filled in by	(volunteer)	Date (YYYY.MM.DD)
Filled in/verified by	(data-entry operator)	Date (2015.10.29)
Verified and codes inserted by	(HPDT team member)	Date (2015.11.01)
Data input into HPDT by	(data-entry operator)	End date (2016.03.14)

⁷ Code will be inserted at a later time, by a HPDT team member.

⁸ YYYY.MM.DD. **Correct: 1850.12.20** Incorrect: 20.12.1850. **Correct: 1850.12.02, 1850.07.02.** Incorrect: 1850.12.2, 1850.7.2.

⁹ YYYY.MM.DD.

¹⁰ Code will be inserted at a later time, by a HPDT team member.

¹¹ YYYY.MM.DD. **Correct: 1850.12.20** Incorrect: 20.12.1850. **Correct: 1850.12.02, 1850.07.02.** Incorrect: 1850.12.2, 1850.7.2.

¹² YYYY.MM.DD.