

Annex B7 - 13 Example of metadata for variable in English

Short Name	HFFSP
Long Name	Classification code for highest completed education

Creation date	15 January 2015
Last updated	12 May 2017
Owner of the variable	SMS Educational Statistics

Data Type	Numeric
Precision	Eight digit code
Length	22

First Year	1981
Last Year	Still valid

Data breach in variable	YES
Data breach across variables	NO

Internal assurance quality	YES
External assurance Quality	YES

General description	<p>The classification code for highest completed education has been developed to support comparability of education statistics - both at national and international level. Thus, the code serves as a useful classification system across statistics-producing authorities in the education sector in Denmark, while ensuring a clear connection to the international classification system ISCED. In order to ensure flexibility, the classification code is created in a four level hierarchical structure.</p> <p>The classification code for highest completed education is 8-digit long. The first two digits describe the level (main group) of the education. The next two digits further provide a professional grouping (intermediate group), which is further detailed in the following two digits (subgroup). Finally, the last two digits indicate the specific training or qualification (element level).</p> <p>An example of an education could be a carpenter with the 8-digit the following code: 35533520.</p> <p>Main group: 35 Vocational education Intermediate group: 3553 Construction Subgroup: 355335 Carpenter and similar Elements level: 35533520 Carpenter</p> <p>The first two digits of the classification code are the most commonly used groupings for educational statistics published by Statistics Denmark.</p>
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	<p>The 8-digit code indicates a particular education and therefore corresponds to the 4-digit AUDD code (see AUDD documentation), and the 8-digit HFFSP code thus gives the highest completed education for each individual of the Danish population. In some cases, however, several UDD / AUDD codes are assembled in the same 8-digit prefixed code. This will be the case if there are more than one AUDD codes for the same education.</p> <p>From the two first digits of the classification codes the following 12 main groups can be created:</p> <ul style="list-style-type: none"> 10 Primary school 15 Preparatory programs 20 General upper secondary educations 25 Vocational upper secondary educations 30 Vocational basic training 35 Professional internships 39 Further training of specialists / skilled workers 40 Short higher education 50 Middle-level higher education 60 Bachelor 65 Longer higher education 70 Researcher Programs <p>Educations in subdivisions 15, 30 and 39 are not used in the creation of the most completed education.</p>
<p>Detailed description</p>	<p>For research purpose, a dataset is established once a year providing the highest completed education for all individuals in the entire Danish population. The population consists of all individual having a permanent address on 01 January each year, and their education status is recorded on 01 October the year before, which is the latest available educational information.</p> <p>In connection with the establishment of register for highest attained education (UDDA), only completed programs are included, since the completed education must be compulsory, i.e. Competence variable COMP = 1 (Competency Education), 3 (Business Qualification) or 7 (Higher Education). The exception from this is education / grade at primary school level, where completed grade levels are all included regardless of the value of KOMP. However, in order to have a primary education as the highest completed education, it is required that the 6th grade is completed (equivalent to the International Standard Classification of Education ISCED Level 1).</p> <p>When the register for highest attained education is created the records for people with unknown education is reduced by allocating the previous grade as the highest education for people who has a discontinued general education in Statistics Denmark's student register.</p> <p>For individuals that, at the status time, has stopped or departed their education in group 10 (Primary school), the previous grade level by 01 June is used.</p>

For individuals that, at the status time, has stopped or departed their secondary education (main groups 20 and 25 the highest completed education is to 9th grade.

The purpose of granting students with discontinued education a highest education is to show that these persons are not unknown in the registers.

Up to and including the school year 2005/06, information on educational level has only been collected from elementary school's 8th, 9th and 10th grade, which means that the age group from 0 to approx. 14 years will have an insurmountably highest education. As of the school year 2006/07, information is gathered from the kindergarten class, which in 2009 means persons with completed primary education increase.

Information on the highest completed education is limited for persons under 13 years, since a maximum of completed education requires at least 6th grade.

In addition, education information for persons born before 1921 is limited, as there is no information about this group in the 1970 population and housing census (FOB70). FOB70 is the primary source of educational information about the oldest part of population.

Description of the allocating process:

The concept of highest completed education is, as the most important criterion, determined in relation to the main groups in the Danish education classification and follows the order described in the general description. In this regard, the following rule applies in the selection of highest completed education:

- 1) Selected by highest group, with groups 20 and 35 being considered equal.
- 2) Selected within the same main group after highest PRIA (= number of cumulative training months).
- 3) Recent education is chosen within the same main group and same PRIA.

The above rule applies with the exception of situations where an education qualification meets another educational qualification from a higher priority source (see HF_KILDE). Here, the higher priority source will always exceed the level of education.

Changes over time:

Codes for education and final education (UDD and AUDD) are stable over time; however, the associated classification codes may change over time. An education can be misplaced, and the code will be changed when the error is recognized or an education may have evolved over time so that it will at some point be moved to another level. Therefore, it is recommended use the education code in historical material and subsequently apply the latest classification to all historical material to avoid inconsistencies associated with time series.

	<p>Example of changes over time:</p> <p>Nurse</p> <p>Year 1990: Classification code = 40903010 AUD=5166</p> <p>Year 2006 Classification code =50903010 AUD=5166</p> <p>The nursing education has shifted in level from being a short secondary education to being a middle secondary education. Therefore there is change over time in the classification code, while the AUDD codes remained the same.</p> <p>Also note that education that develops and moves to a new level will normally maintain its education code if there is no urgent reason to differentiate between the original and the new edition of the education. Thus, one does not want to look for nurses in different locations in the classification, even though the nurse has developed and changed the level. Nurses with the shorter education are lifted up on the new, higher level.</p> <p>A reason for distinguishing between the original and the new version of the education will be that the content of the education is changed so much that it is actually a new education.</p> <p>Converting AUDD codes to classification codes:</p> <p>The AUDD codes can be converted to 8-digit classification codes by using a conversion key. The conversion key contains the 4-digit completed education code and the corresponding 8-digit classification code.</p> <p>New classification codes:</p> <p>New courses are continuously being created, so classification codes are constantly being updated.</p> <p>In some cases, an education is also moved from a classification to another (see example above). This can happen if an education has been misplaced, or if the education may switch level. If it happens, a new classification code will be created and the original classification code will be removed</p> <p>Sources for creation of classification codes: Under the variable HF_KILDE, the sources appear, and the year from which they have been used.</p>																				
Annexes	The education manual																				
Population	Danish population																				
Population description	The population consist of all individual having a permanent address on 01 January each year																				
Codes	<table border="1"> <thead> <tr> <th>Code</th> <th>Text</th> <th>Valid from</th> <th>Valid until</th> </tr> </thead> <tbody> <tr> <td>10021010</td> <td>Elementary school – 1 grade</td> <td>01-01-1981</td> <td>Still valid</td> </tr> <tr> <td>10022010</td> <td>Elementary school – 2 grade</td> <td>01-01-1981</td> <td>Still valid</td> </tr> <tr> <td>.</td> <td>.</td> <td>.</td> <td>.</td> </tr> <tr> <td>.</td> <td>.</td> <td>.</td> <td>.</td> </tr> </tbody> </table>	Code	Text	Valid from	Valid until	10021010	Elementary school – 1 grade	01-01-1981	Still valid	10022010	Elementary school – 2 grade	01-01-1981	Still valid
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