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The 1989 Revision of the U.S. Standard Certificates and Reports

June 1991



U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES Public Health Service Centers for Disease Control National Center for Health Statistics



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Vital and Health Statistics

The 1989 Revision of the U.S. Standard Certificates and Reports

Series 4: Documents and Committee Reports No. 28

This report examines the procedures followed in the 1989 revision of the U.S. Standard Certificates of Live Birth and Death; License and Certificate of Marriage; Certificate of Divorce, Dissolution of Marriage, or Annulment; and Reports of Fetal Death and Induced Termination of Pregnancy. It outlines the history and basic principles of the standard certificates and reports and describes the principal additions, modifications, and deletions of items. In addition, it discusses changes in the format of the standard certificates and reports as well as the implementation of the new certificates and reporting forms.

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES Public Health Service Centers for Disease Control National Center for Health Statistics

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Preface

The content and format of this publication closely follow two earlier *Vital and Health Statistics* reports: Series 4, No. 8, "The 1968 Revision of the Standard Certificates," and Series 4, No. 23, "The 1978 Revision of the U.S. Standard Certificates." The authors wish to acknowledge the contributions of these publications to the development of this one. Additional information concerning the current revision can be found in the following:

- Science Applications International Corporation, Report of the panel to evaluate the U.S. Standard Certificates and Reports, April 1986.
- Freeman MA, Gay GA, Brockert JE, Potrzebowski PW, Rothwell CJ. The 1989 Revisions of the U.S. Standard Certificates of Live Birth and Death and the U.S. Standard Report of Fetal Death. Am J Public Health 78:168–72. 1988.
- Taffel SM, Ventura SJ, Gay GA. Revised U.S. Certificate of Birth—New Opportunities for Research on Birth Outcome. Birth 16(4):188–93. 1989.

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The authors wish to acknowledge, with appreciation, the role of the Association for Vital Records and Health Statistics in the development, promotion, and implementation of the revised U.S. Standard Certificates and Reports by the various States. The authors are also especially grateful to Judy L. Warwick for her assistance in compiling and verifying information for this report.

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The 1989 Revision of the U.S. Standard Certificates and Reports

by George C. Tolson, Judy M. Barnes, George A. Gay, and Julia L. Kowaleski, Division of Vital Statistics

History

The vital statistics of the United States are collected and published through a decentralized, cooperative system. Responsibility for the registration of births, deaths, fetal deaths, marriages, divorces and annulments, and induced terminations of pregnancy is vested in the individual States and certain independent registration areas. The registration system comprises 57 registration areas: each State, the District of Columbia, New York City, American Samoa, Guam, Northern Mariana Islands, Puerto Rico, and the Virgin Islands. The degree of uniformity necessary for national statistics has been achieved by periodic issuance of recommended standards from the responsible national agency and the cooperative adoption of these standards by the individual registration areas. These standards take the form of recommended laws and regulations (Model State Vital Statistics Act and Regulations), definitions (live birth, fetal death, and so forth), and reporting forms (U.S. Standard Certificates and Reports).

The standard certificates have been the principal means for achieving the uniformity in information on which national vital statistics are based. To date there have been 11 revisions of the Standard Certificate of Live Birth, 10 revisions of the Standard Certificate of Death, 7 revisions of the Standard Report of Fetal Death (formerly Stillbirth), 4 revisions of the Standard Certificate of Marriage, 4 revisions of the Standard Certificate of Divorce or Annulment, and 2 revisions of the Standard Report of Induced Termination of Pregnancy.

The first standard certificates for the registration of vital events were developed in 1900 by the U.S. Bureau of the Census. These certificates were used for the registration of live births and deaths. The 1902 act of Congress that established the Bureau of the Census as a permanent agency of the Federal Government included a provision giving the agency statutory authority for the development of registration areas for births and deaths. The Bureau of the Census developed a system for the annual collection of vital statistics that would produce nationally comparable data. The overall objective was to develop and maintain a system of registration that is uniform in such matters as law, forms, procedures, and statistical methodology. Maintaining such a system meant periodic reviews of recommended standards and revisions to reflect changing social conditions and user demands for data.

The Bureau of the Census retained the authority for producing national vital statistics until 1946, when the function was transferred to the U.S. Public Health Service. It is presently assigned to the Division of Vital Statistics of the National Center for Health Statistics (NCHS). Authority for this activity by NCHS is found in the Public Health Service Act, 42 USC 242k. This law requires that NCHS collect data annually from vital records of the States and provide assistance to the States in achieving comparability of data.

Because the production of national vital statistics is dependent on cooperation between the Federal agency and the individual registration areas, the development of the standard certificates must be a cooperative effort. In the revision process, opinions are solicited from persons involved in preparation, registration, and processing of the records and from consumers of the data to determine whether changes need to be made and, if so, where. This revision process is designed to ensure that the standard certificates meet, as nearly as possible, the uses for which they are intended—not only at the national level but also at the State and local levels.

The standard certificates are an integral part of the Vital Statistics Cooperative Program through which NCHS obtains the data to produce national vital statistics. This program is an endeavor of NCHS to cooperate with the States to improve the quality, timeliness, and utility of health data. The standard certificates represent the minimum basic data set necessary for the collection and publication of comparable national, State, and local vital statistics data.

The U.S. Standard Certificates and Reports are used as models for the development of State forms for the registration of vital events. Because the State certificates and reports have multiple uses, many factors must be considered and evaluated in deciding what should be included in the recommended standards. Examples of uses are

 The records serve legal and administrative purposes that require such information as name, age, and date and place of occurrence; signatures; and addresses. The individual and numerous public agencies (schools, welfare departments, passport services, Social Security Administration, and Veterans Administration) have a direct interest in the information for legal and administrative purposes.

- The records provide the statistical information needed by State and local government agencies, particularly health departments, to plan and evaluate their programs.
- The records provide vital statistics for the entire Nation. These statistics are numerous, varied, and in many cases related to major public programs. Statistics of births, deaths, marriages, and divorces are frequently used in public health research and administration to measure and analyze rates of population growth and changes in population composition,

to study social problems (for example, broken families and births to unmarried women), and to measure actual or potential consumers for numerous products and services.

Faced with the many uses of vital records, NCHS and the vital statistics office of each State must make choices regarding the inclusion or exclusion of data elements for each revision of the standard certificates. To ensure that the standard certificates and reports meet current data needs, it is essential that they be reviewed and revised periodically. This has normally been done on an approximately 10-year cycle.

Overview of the 1989 Revision of the U.S. Standard Certificates and Reports

Preparation of the 1989 Revision of the U.S. Standard Certificates and Reports proceeded in much the same way as the 1978 revision. In 1983, NCHS received approval for funding of a project to revise the standard certificates. This activity required a thorough evaluation of the content and format of the 1978 revision of the standards and the development of recommendations for the content and format of the new revisions. A competitive contract for the project was awarded to Science Applications International Corporation (SAIC) in September 1983. The primary responsibility of SAIC was meeting administration, including providing minutes of the meetings and making all necessary logistical arrangements.

In consultation with NCHS, SAIC appointed a panel of consultants to assist in the evaluation. The consultants were divided into a Parent Group and six subgroups (see appendix I). These experts were State vital registration and statistics executives, persons representing those who have responsibilities related to the completion of vital records, and those who use data derived from vital records. The Parent Group, with 10 members, oversaw the entire evaluation process. The subgroups, which reported to the Parent Group, were charged with reviewing the birth certificate, the death certificate, the marriage and divorce certificates, the fetal death and induced termination of pregnancy reports, and the format of all certificates. An additional subgroup was assigned the task of determining whether any of the anticipated changes would necessitate modifications in the Model State Vital Statistics Act and Regulations. The first meeting of the panel was held in December 1983.

The primary responsibilities of the subgroups were to conduct detailed reviews of the current documents and to make recommendations to the Parent Group concerning the items to be included in the 1989 revisions. To gather necessary data for these tasks, the subgroups heard testimony from appropriate witnesses and sought input through questionnaires. They presented minutes of their meetings, specifying major decisions and rationales to the Parent Group. The subgroups also communicated with each other and sometimes met in joint sessions because many of the items under consideration were common to more than one certificate or report and some items were common to all.

To ensure communication between the Format Subgroup and the other subgroups, every certificate subgroup included a Format Subgroup representative. These persons were responsible for communicating concerns of the certificate subgroup to the Format Subgroup. To ensure communication between the Model Act Subgroup and the certificate subgroups, the chairpersons of the certificate subgroups were members of the Model Act Subgroup.

The panel of consultants was charged with the responsibility of reviewing the content and format of each of the U.S. Standard Certificates and Reports and recommending additions, deletions, and modifications. The panel also had two major tasks: to determine the extent to which information included on the forms reflects current and future needs and to recommend revisions that would enhance the effectiveness of the certificates and reports as data collection instruments. As part of this effort, the panel requested written statements from selected persons who they believed could provide pertinent information on data needs and uses of data from vital records. Also, a series of questionnaires were developed and sent to a wide range of individuals and organizations who collect or use vital statistics data and who have an interest in the content and format of the standard certificates and reports.

Prior to the development of the questionnaires, the Parent Group conducted a preliminary survey of State vital registration and statistics executives. A letter was prepared that asked the council members of the Association for Vital Records and Health Statistics for information on items used in their States that differed from items on the standard certificates and reports. The Parent Group was particularly interested in the effect these differences had on the completeness and quality of data. This information assisted in the development of the questionnaires that were to be sent throughout the country.

Six separate questionnaires were developed to correspond to the 1978 revision of each of the U.S. Standard Certificates and Reports. In final form, each of the six questionnaires followed a similar organization, with four major parts:

- A cover sheet asking for respondent information and allowing respondents the option to indicate whether they were responding for themselves or their organizations and whether they were satisfied with the certificates and reports or had no opinion.
- A section requesting opinions regarding suggested additions to the certificates and reports.

- A section requesting opinions regarding specific items currently on the certificates and reports.
- A section requesting other comments and suggestions regarding the certificates and reports with respect to item content and format.

In all of the sections listed above, a similar question format was used for each of the questionnaires.

With respect to additions, respondents were asked whether items should be added, should not be added, or whether they had no opinion regarding individual items. For items currently on the certificates and reports, respondents were asked whether specific items should continue to be included or not. After each question, respondents were to justify their answers. In many instances, respondents were also asked to suggest how items might be worded.

The mailing list for the questionnaires included Federal and State agencies, schools of medicine and public health, and national organizations, such as the American College of Obstetricians and Gynecologists, the American Epidemiological Society, the American Hospital Association, the American Sociological Association, the American Statistical Association, the National Funeral Directors Association, the National Organization for Women, the Population Association of America, and the Society for Epidemiological Research. The list also included State organizations, such as State funeral directors associations, State hospital associations, and State medical societies. This national list was developed by NCHS with the assistance and cooperation of the panel members.

The national component of the mailing list was developed by NCHS with the assistance of the panel members. In addition, each State vital registration and statistics executive was asked to provide a list of persons and organizations within his or her State who should receive the questionnaires. These State lists helped to ensure that advice on the evaluation would be received from a wide variety of individuals and organizations throughout the country.

The questionnaire responses were compiled for use by the subgroups reviewing potential changes in each individual certificate or report. Members of these groups received tabular summaries of the responses to each question and log books listing the open-ended responses. Correspondence received relative to the individual certificates or reports was also provided to the appropriate subgroups.

As part of a continuing process, the panel was aware of the historical and current uses of the vital registration and statistics system. It had to focus, however, on the future because the certificates and reports implemented in 1989 would be used during most of the 1990's. In its earliest meetings, the Parent Group emphasized the importance of understanding who the major users of vital statistics data will be during the 1990's and the types of issues with which these users will be concerned. The group thought that issues such as environmental health, occupational health services, control of chronic diseases, and changes in the personal health services delivery system are likely to be important in the coming decade. The panel also considered future data needs of such organizations as the U.S. Bureau of Labor Statistics, the U.S. Bureau of the Census, the Departments of Agriculture and Transportation (at the Federal level), and comparable groups at the State and local level. Such data users were not represented on the panel, and the Parent Group agreed that it was important to solicit their ideas concerning the standard certificates and reports.

The following were the objectives of the panel:

- To refine the current vital statistics data collection instruments so that they will meet the needs of the vital statistics system's major users during the 1990's.
- To educate users about basic vital statistics principles, how the system operates, what the system can do, what its limitations are, and to suggest alternative data sources as appropriate.
- To ensure that the certificates meet the needs of the system's legal function, as well as its statistical function.

The National Center for Health Statistics played a key role in the 1989 revision process. The following contributions were made by NCHS:

- Provided staff support for the subgroups and supplied information on data needs at the national level.
- Participated in deliberations with the panel regarding the inclusion and exclusion of information that was significant to the development of each certificate and report.
- Provided input in major decisions made by the panel that were pertinent to the overall format of all certificates and reports and to the Model State Vital Statistics Act and Model State Vital Statistics Regulations.
- Suggested representatives from Federal agencies, national organizations, and individual researchers who should be invited to testify.

From all the input that was provided, as well as its own individual expertise, the panel, in April 1986, presented its final recommendations to NCHS regarding the content and format of the 1989 revisions of the U.S. Standard Certificates and Reports. The Association for Vital Records and Health Statistics reviewed the final certificates at its annual meeting and formally endorsed them in July 1986. In January 1987, copies of the final certificates and reports were sent to the State vital registration and statistics executives by Dr. Manning Feinleib, Director of the National Center for Health Statistics, with the recommendation that they be implemented by January 1, 1989. In addition, Dr. Robert E. Windom, Assistant Secretary for Health, sent copies to each State health officer in February 1987 with the same recommendation. The implementation date of the revised U.S. Standard Certificates and Reports was originally planned for January 1, 1988. However, at the request of the Association for Vital Records and Health Statistics, the implementation date was delayed until January 1, 1989. The delay was necessitated by the magnitude of the revision and the cost to the States. It was determined that the extra year would give States the time needed to prepare for the revision in their States.

The 1989 revisions to the U.S. Standard Certificates are intended to make the vital statistics system more

responsive to the public health concerns of the 1990's. The success of these documents will require the cooperation and assistance of medical care providers, medical records, other hospital staff, funeral directors, and vital records registrars. Working together, they can assure the availability of an accurate and complete data base that will continue to provide the States and the Nation with the information needed to monitor and improve the health of its citizens.

Recommendations for the 1989 Revision of the U.S. Standard Certificates and Reports

The 1989 revisions of the U.S. Standard Certificates and Reports incorporated some major modifications in both content and format. One of the most significant changes was the inclusion of an Hispanic identifier on the live birth, death, fetal death, and induced termination of pregnancy forms.

The revision panel recommended that an ancestry question be included on these forms. Although the major purpose of the ancestry question would be to collect information on the Hispanic population in the United States, having such a question would also enable those States that have an interest in collecting information on other segments of their population to do so. The panel also recommended that for those States that currently ask a specific Hispanic question on their certificates or those having a large Hispanic population and that do not have an interest in collecting data on other population groups, a specific Hispanic origin question would be acceptable. Therefore, each State was given the option of including either the ancestry question or a specific Hispanic question on their form.

The NCHS staff agreed with the position of the panel that vital statistics data on Hispanics in the United States are needed. They also understood the necessity of giving the States an option on how to obtain the data. It was their opinion, however, that because the emphasis was on the collection of Hispanic data, the specific Hispanic question should appear on the standard forms and the ancestry question should be the option for those States that cannot adopt the Hispanic question. In addition, the experience of the U.S. Bureau of the Census has shown that a specific Hispanic question produces better data on Hispanics than does a general ancestry question.

Therefore, NCHS recommended that the States include a specific Hispanic question on these certificates and reports to identify persons of Hispanic origin. If the States have such a small Hispanic population that they cannot justify the specific Hispanic question or if they have other segments of their population for whom data are needed, the general ancestry question, as recommended by the panel, was acceptable.

The revision panel did not recommend the inclusion of an Hispanic identifier on the marriage and divorce certificates. The reason for this decision was the difficulty in collecting this information on marriage and divorce.

The most significant change in format was the extensive use of checkboxes on the live birth certificate and fetal death report to obtain detailed medical and health information about the mother and child. Checkboxes had not been used on the U.S. Standard Certificates for many years. The panel recommended the use of checkboxes in an effort to simplify the completion of the forms and to improve the quality and completeness of the reporting of certain items. Although this change has significantly increased the size of some of the forms, it was the opinion of the panel that the improved quality of information would offset the difficulties created by the increased size.

Additions, modifications, and deletions to the U.S. Standard Certificates and Reports

Certificate of Live Birth and Report of Fetal Death

Many of the items needed for legal purposes remain unchanged or slightly modified. However, there were major and significant changes in the "Information for Medical and Health Use Only" section.

The items "Complications of Pregnancy" and "Concurrent Illnesses or Conditions Affecting the Pregnancy'' were combined into a two-part item. The first part is "Medical Risk Factors for This Pregnancy," under which more than 17 specific factors are identified for reporting. The second part is "Other Risk Factors for This Pregnancy," which identifies specific life-style factors of tobacco and alcohol use and includes information on maternal weight gain during pregnancy. The items "Complications of Labor and/or Delivery'' and "Congenital Anomalies of Child'' were also reformatted as checkbox items. Three new items were added in checkbox format to obtain information on "Obstetric Procedures," "Method of Delivery," and "Abnormal Conditions of the Newborn." These items will be used to monitor the increased uses of technology in childbirth and to identify babies with specific abnormal conditions.

Two items that were added to the fetal death report but not added to the birth certificate are the "Occupation and Industry Worked During the Last Year" of the mother and father. Recently there has been renewed interest in collecting parents' occupational data, primarily to assess the impact of work-related environmental exposures on the fetus. Although the panel recognized the importance of obtaining occupational information for births with adverse outcomes, they were reluctant to impose the burden of collecting and coding these data for all births on the States. Therefore, these items were not included on the Standard Certificate of Live Birth. However, NCHS did encourage States to collect and code these data if resources were available, using the format recommended on the fetal death report.

The other modification was the addition of an Hispanic identifier for the mother and father on the Standard Certificate of Live Birth and the Standard Report of Fetal Death. These items will provide information about the fertility and health experience of the Hispanic population.

The "Attendant" and "Type of Place of Birth" items on the Standard Certificate of Live Birth and the Standard Report of Fetal Death were reformatted using checkboxes. The new format will permit better identification of the type of attendant, including separate identification of certified nurse midwives and other midwives. It will also facilitate the identification of home births, births in freestanding birthing centers, and births in clinics or physician offices. This will permit the analysis of the number and characteristics of births by type of facility and the comparison of differences in outcomes.

Certificate of Death

The death certificate had very few changes. The major revisions recommended for the death certificate involved changes designed to improve the medical certification of cause of death, the addition of an Hispanic identifier, and the inclusion of the item "Decedent's Education" as a measure of socioeconomic status.

A combined certificate for physicians, coroners, and medical examiners was recommended. The panel believed that the combined certificate adequately met the needs of all certifiers and that there was no need to design separate certificates for physicians and medical examiners or coroners. Those States that must do so can easily modify the standard certificate to accommodate their need.

Improved instructions for completing the medical certification section were added on both the front and back of the certificate. Additional lines were added to parts I and II of the "Cause of Death" section to encourage more complete reporting of all conditions that may coexist and contribute to death. The new instructions were designed to eliminate confusion, especially when parallel conditions could have led to the immediate cause.

A provision for two physician signatures was added to the certificate. If the attending physician is unavailable and the death is clearly not a medical-legal case, another physician may pronounce and certify to the time and place of death and sign the certificate so that the body can be released to the funeral director. The funeral director must then contact the attending physician to obtain the medical certification at a later time.

Two significant statistical items were added to the death certificate. An Hispanic identifier was added to obtain more detailed data on mortality of Hispanics, a group for whom data were available for only a limited number of States. "Decedent's Education" was the other item added to the certificate. The panel believed that this information would be useful as a measure of socioeconomic status, a factor closely associated with mortality. It is a more reliable measure of socioeconomic status than occupation and is easier to collect and code. Including education will also be valuable because studies have shown that mortality as related to education is changing.

The following other significant changes were made to the death certificate:

- An item was added to ascertain whether autopsy findings were used in determining the cause of death to assist in evaluating the quality of cause-of-death data.
- The "Manner of Death" item was reworded to include specific categories with checkboxes. "Natural" was added to the list. The item will now have to be completed for all deaths, not just those resulting from external causes. This addition should result in more complete information on the manner of death.
- The item "Citizen of What Country" was deleted because there appeared to be no significant uses for the information, either by the State or NCHS. The Immigration and Naturalization Service and the U.S. Department of State had earlier indicated that they are no longer interested in these data.
- The changes that were made to the certification section should increase the proportion of cases where the attending physician is the certifier. Therefore, the item "Name of Attending Physician If Other Than Certifier" was deleted because the certifier would be contacted for query and followback purposes.

Report of Induced Termination of Pregnancy

The Induced Termination of Pregnancy report remained almost unchanged in content and format. The few changes that were made included the addition of an item on Hispanic origin of the patient. This item was added to obtain information about the incidence of abortions among Hispanics. Also, "Dilation and Evacuation" was added to the list of termination procedures. The "Complications of Pregnancy Termination" item was deleted from the report. Underreporting was the major problem with this item because most complications are not evident until a day or two after the procedure, after the report has been filed.

License and Certificate of Marriage

Changes to the marriage certificate were minor. The item "Expiration Date" (of the marriage license) was added to the license portion of the certificate. The item was added to help ensure that ministers and magistrates do not perform illegal marriages by mistake. It was also added to alert the couple to legal deadlines and eliminate pending records.

"Type of Ceremony" was the only item that the panel deleted from the 1978 revision. Because there is no uniform interpretation of a religious ceremony, this item provided data that were not comparable from location to location. The heading for the "Information for Statistical Purposes Only" section was changed to "Confidential Information. The information below will not appear on certified copies of the record." The panel decided that this wording was more understandable.

Certificate of Divorce, Dissolution of Marriage, or Annulment

The most important changes made in the divorce certificate concerned the items about children. The 1978 revision had two items: "Number of Children Ever Born Alive of This Marriage," and "Children Under 18 in This Family." The new certificate has "Number of Children Under 18 in This Household as of the Date in Item 11" ("Date Couple Last Resided in Same Household"). A new item added to the divorce certificate is "Number of Children Under 18 Whose Physical Custody Was Awarded To: Husband, Wife, Joint, or Other."

The item "Number of Children Ever Born Alive of This Marriage" was deleted from the certificate because there was confusion as to what was actually being measured by the item.

Items considered but not recommended on the U.S. Standard Certificates and Reports

Certificate of Live Birth

"Occupation and Industry of Mother and Father" was considered for inclusion on the live birth certificate because of its value in detecting and monitoring potential workplace hazards adversely affecting pregnancy outcome. It was rejected because a majority of States would be unable to utilize the information collected. Those States that have an interest in this information can add it on their State certificates.

Certificate of Death

The Death Subgroup discussed a number of items suggested as additions or modifications to the certificate. Some of the items suggested but not included were "Maiden Name of Female Decedent," "Length of Time Worked in Usual Occupation," "Smoking History of Decedent," and "Alcohol Use by Decedent."

Report of Fetal Death

Several additional items were considered for inclusion. Some of these may be included on some State forms. The items suggested were "Name of Fetus," "Type of Facility," and "Mother's Birthplace."

Report of Induced Termination of Pregnancy

A few of the items that were considered for inclusion on the induced termination of pregnancy report but were rejected were "Type of Facility" and "Reason for Abortion."

License and Certificate of Marriage

The following items were considered but rejected: "Children Born Previously to Remarrying Brides and Grooms," "Surname To Be Used by Groom and Bride," and "Education of Parents."

Certificate of Divorce, Dissolution of Marriage, or Annulment

The following items were considered for inclusion but rejected: "Surnames To Be Used After Divorce," "Legal Grounds," "Religion," and "Address of the Court That Issued the Judgment of Divorce."

Recommendations for the format of all 1989 certificates and reports

The Format Subgroup was responsible for taking the content and format suggestions from each of the other subgroups and transforming them into acceptable certificates and reports. It was also their responsibility to make the wording and format of similar items consistent between forms for different vital events. Much time and effort were spent by all the subgroups on issues related to the format of the various certificates and reports. The following specific format recommendations relate to more than one certificate and report:

- Item numbers are to be located at the top of the box, preceding the item name.
- In the checkbox items, the checkboxes are placed on the right side of the item name, and numbers for coding purposes are added. The checkbox for "None" on all checkbox items appears above the "Other (Specify)" item in the listing. The rationale for this decision was to make it more difficult to use "None" as a response.
- The headings of the certificates and reports are to be in the same type size and style as used in the 1978 revision.
- All instructions in the margins are to be done as they were on the 1978 revision.
- The spacing of lines and items are to be compatible with typewriters, word processors, and personal computers.

The following format recommendations were made for specific certificates and reports:

• Certificate of Live Birth—Size 8 1/2" x 14"

A review of a special survey sent to the State vital registration executives showed that a number of States had expressed concern about the size of the certificates and the impact that a larger document would have on their binders and shelves. Two possibilities for dealing with this problem of the birth certificate were:

- Use a multicopy document with the first copy containing only the legal section. The second copy would be the long form and would include both the "Legal" and the "Medical and Health Information" items. This would provide a legal document that would fit State binders and shelves.
- Use perforation between the "Legal" and the "Medical and Health Use Only" sections. The lower section could be detached after data entry and only the legal section filed.
- Certificate of Death—Size 8 1/2" x 11"

Instructions for the completion of certain items should be placed on the back of the form.

- The instructions on the back of the form should be in a type of ink that does not show through. The quality of the paper is a factor in ensuring that the instructions do not show through.
- In those States that use multicopy sets, the instructions should be placed on the back of the last copy of the set with marginal notes indicating the locations of the instructions. Black carbon inserts are recommended for multicopy sets.
- Report of Fetal Death—Size 8 1/2" x 14"
- Report of Induced Termination of Pregnancy—Size
 8 1/2" x 11"
- License and Certificate of Marriage—Size 8 1/2" x 11"
- Certificate of Divorce, Dissolution of Marriage, or Annulment—Size 8 1/2" x 11"

States were encouraged to include on each form a date, specifying month and year, whenever forms are revised. This date should be the date the new certificate or report will be put into use.

Instructional materials

A number of training materials were developed for use with the 1989 revisions of the U.S. Standard Certificates and Reports. Instructional handbooks were prepared on each of the certificates and reports and were directed at specific individuals responsible for completing vital records. Information on how the registration system operates, item-by-item instructions for completing each item, and rationale for collecting the information were included. The eight handbooks developed are listed below:

- Hospitals' and Physicians' Handbook on Birth Registration and Fetal Death Reporting
- Funeral Directors' Handbook on Death Registration and Fetal Death Reporting
- Guidelines for Reporting Occupation and Industry on Death Certificates
- Physicians' Handbook on Medical Certification of Death
- Medical Examiners' and Coroners' Handbook on Death Registration and Fetal Death Reporting
- Handbook on Marriage Registration
- Handbook on Divorce Registration
- Handbook on the Reporting of Induced Termination of Pregnancy

The handbooks were provided to all 57 registration areas for distribution to the appropriate persons within their State or for use as guides in the development of their own handbooks. Computer discs containing the text of the handbooks were also made available to the States to expedite the development of their own handbooks.

Four videotapes were developed to be used as training tools: One videotape addressed completing the birth certificate; and three addressed completing the death certificate, each aimed at a different group of individuals—physicians, medical examiners or coroners, and funeral directors. The physician and medical examiner or coroner videotapes concentrated on how to complete the medical certification of the cause of death, whereas the funeral director videotape concentrated on how to complete the nonmedical items on the death certificate. Two copies of each of the videotapes were provided to each registration area in the format they chose: VHS, Beta, or 3/4-inch. The States were encouraged to use these instructional materials for training purposes and in the development of other instructional materials.

Reaction to the handbooks and videotapes was very favorable. An announcement about the availability of the funeral directors' handbook was placed in two funeral director periodicals and sparked numerous requests for copies. The American Medical Record Association was so pleased with the handbooks and videotapes that they decided to make them available to all educational institutions that have a medical record program. The Indian Health Service also elected to provide the videotapes to medical records branch chiefs and chief medical officers both at the area offices and the hospital and service units.

The final training tool developed by NCHS was an audio cassette tape titled, "How to Complete the Medical Certification of Cause of Death." The cassette tape was distributed to all registration areas so that it could be widely distributed to physicians to listen to while driving or on break, similar to journals or books on tape. The focus of the tape was on the proper completion of the medical certification of the cause of death.

Implementation by the States

The 1989 revisions of the U.S. Standard Certificates and Reports were officially recommended to the States by NCHS in January 1987. At that point the States began a process similar to the one followed by NCHS in the development of the standards. As with the standards, the States attempted to seek input from representatives of those responsible for completing the forms and those who utilize the data derived from the documents. Out of this process emerged the certificates and reports that each of the States would be implementing.

The level of comparability between the forms used by the States and the 1989 revisions of the U.S. Standard Certificates and Reports is among the highest that has ever been achieved. Almost all registration areas for which data are published by NCHS (the 50 States, the District of Columbia, New York City, Guam, Puerto Rico, and the Virgin Islands) implemented revised forms by the recommended date of January 1, 1989. A few areas encountered delays and did not make the January 1 goal, but they did revise early enough during 1989 for NCHS to include information from its revised forms in its final 1989 data. Several other areas revised too late in 1989 for their data to be included, but it will be included in 1990. Beginning in 1990, NCHS included birth data from revised forms for all registration areas except one, and death data for all but two. Because revision activity is under way in the remaining areas, it is hoped that in 1991 NCHS will be able to publish birth and death data from revised forms for all of the 55 registration areas. Five areas have not revised their fetal death form, but it is expected that several of these will implement revisions by 1991. The changes made in the marriage, divorce, and induced termination of pregnancy forms were relatively minor. Most of the States did, however, revise their forms, and NCHS has been able to continue publication of data in these areas uninterrupted.

The extremely close cooperation between the States and NCHS in the revision process and the active involvement of others directly affected by the revisions resulted in the development of standards that, as nearly as possible, represent a nationwide consensus of what should be included on the forms. This has contributed significantly to the acceptance of the forms by the States, by those who must complete them, and by those who use the data.

The successful and smooth implementation of the forms in individual States required extensive communication between the State vital statistics office and those within that State who would be affected by the revisions. The most successful implementations were in States that actively involved these groups in the development of the forms. Successful implementation also required training programs for those who would have to complete the forms prior to the implementation of the revisions. This training included not only instruction on how to complete the items but also information about why the changes were made and how the data that is obtained will be used.

Several system type changes have also contributed to the successful implementation of the revisions, especially of the birth certificate. First, hospitals are using worksheets more to obtain the information needed to complete the form. This has proved to be especially helpful for the medical and health checkbox items. There also have been efforts to facilitate the transfer of information needed for the birth certificate from physician office records to the hospital medical records. In addition, a number of States have begun to develop systems that will automate the birth preparation process in the hospitals. This should significantly speed up the registration process and improve the quality and completeness of the information collected.

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Appendix I. Technical Consultant Panel on the 1989 Revision of the U.S. Standard Certificates and Reports

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Appendix II. Exhibits

TYPE/PRINT IN PERMANENT						STANDA								
BLACK INK FOR INSTRUCTIONS	1. CHILD'S NAM	LOCAL PLE N	UMBER		CERTIFICAT	E OF L	IVE				n number onih.Day, Yeari	3. TIME OF BIRTH		
SEE HANCBODK	4. SEX 1.	CITT, TOWN, OR LOC	ATION OF BIRTH		<u></u>					DUNTY OF		N		
CHILD														
		17H: D Hospital - D Fri 2/Doctor's Office	Residence				. FAC	SILITY N	ME III nu	institutio	n, give street and numbe	<i>i</i> d .		
	Diher /Spe	cifyl this child was born alive	at 11/2	110.04	TE SIGNED			A. 117-8 A		T.T. F	other than certified) /Typ			
	piece and tim	e and on the date state			lonth, Day, Year)			ANI 5 N			olher Than Serliner) 11 ya	##+===()		
CERTIFIEM/	Signe iure 🕨					0	M.D.		.o. 🖸	C.N.M.	Other Midwife			
DEATH UNDER	12. CERTIFIEN'S	NAME AND TITLE (Typ	Print)			13, ATT	END	ANT'S M	AILING AD	IORESS /3	ireel and Number of Ru	al Route Number,		
ONE YEAR OF AGE Enter State File	D M D.		ipitai Admin. 🛛	C.N.M.	D Other Midwife	-								
Humber at death	C Other (She					-			15. DAT	E FILED B	Y REGISTRAR (Month, D	y, Yeari		
(16. MOTHER'S	NAME (First, Middle.Les				166. MAIDE					17. DATE OF BIRTH			
MATURA														
	18. BIRTHPLACE	ISiale or Fureign Count	(Y)	19. ALS	IDENCE - STATE		190	. COUNT	Y		1H. CITY, TOWN, O	8 LOCATION		
	184. STREET AN	O NUMBER		190.	INSIDE CITY LIMITS	S? IYes or n	10/ 2	0. MOT	HER'S MA	LING AD	DRESS III same as reside	nce, enter Zip Code only!		
FATHER	21. FATHER'S N	AME (Frst, Middle, Lost)			22. D.	ATE OF BIRT	TH (M	Ionin.De	Yeer!	23. BIRT	HPLACE ISiale or Foreig	n Countryl		
	24. I certify that	the personal information	previded on this cert	ificate is c	prrect to the best of	my knowled	ga an	d belief.						
and the second second	Signature of	Parani or Other Informa	nr 🕨		MATION FOR MEDIC									
	28. OF HISPA	NIC ORIGIN? (Specify N	0 Dr Yes 11 yes, spec	T	28. AACE - American						27. EDUC	ATION		
	Cuben, M	exican, Puerto Ricon, eti	:)		(Specify below)					Eige	nentary/Secondary (0-1)			
MOTHER	25e. 🛛 No Specify:	C Yes		2	184.					27				
FATHER	25b. D No Specify:	C Yes		2	6b.					271	.			
		28. PREGNAN /Complete ea			29. MOTHER	MARRIED? (At bir	th, conce	ption, or	30	DATE LAST NORMAL	MENSES BEGAN		
		IVE BIRTHS	OTHER TERMI		,	elween) /Ye					(Month, Day, Year)			
inter State File Kumber før Mate(s)	1	g 286. Now Dead	31. MONTH O	# PREGNAN				32	PRENATAL VISITS-TO III none, so state!	tal Number				
IVE BIATH(S)	Number	Number	28d.		33. BRTH W						CLINICAL ESTIMATE C			
FETAL DEATH(S)	D Nore	LAST LIVE BIATH	280. DATE OF LA											
	iMonth, Ye		TERMINATION			TY - Single, 1	Twin,	Triplet,	NC.	35	b. IF NOT SINGLE BIRTH Third, etc. (Specify)	- Born First, Second,		
		APGAR SCORE	37. MOTHER TR	ANSFERRE	NSFEARED PRIOR TO DELIVERY? O No O Yes If Yes, unter nem						nems of facility transferrag frem;			
	38a. 1 Minute	366. S. Minutes	175 INFAULT TO A											
			3/6. Wradi 104	********	ISFERRED? 🗆 No 📄 Yee - If Yee, enter name of facility transfe									
	ICheck all	RISK FACTORS FOR TH		1 10	OMPLICATIONS OF L				1		GENITAL ANOMALIES C	DF CHILD		
	Cerdiac disease	30/Hgb <101		Mecon	100*F. or 38*C. um. moderate/heavy				02 🗆 丨	Spine bili	haius			
	Diebetes			Abrupt	ure rupture of membi io placenta la previa				04 0	Microcep	Halus halus htrai nervous system and			
	Hydramnica/Okg Hemoglobinopat	iohydramnios hy		Seizure	eccessive bleeding Is during labor			• • • • • • •	07 0	(Specif	¥/			
	Hypertension, pr Eclampsia	egnency-associated	08] 09] 10]	Protong	tous labor (<3 hours jed labor (>20 hours ctionel labor	•1			04 0 09 0	Other ciri (Spech	formations culatory/respiratory anon 17/	**es		
	Incompetent cen Previous infant 4	vis 1000 + grama	11 2	Breech	Maipresentation				11 0	Rectai et	esis/stenosis esophages! fistula/ Esoph	08 🛛		
	Renal disease .	or small-for gestational	13 2	Anesth	rolapse etic complicationa . Istresa		· · · · ·			Omohalos	ssophages) (nitua) csoph caie/ Gestreschisis strointestinal anomalias	ages: sires:a		
	Rh sensitization Utervie bleeding		16 7	None Other	(Specify)					(Specif	vi	11 C		
	Other			41. M	ISDecity)	ICheck all I		onlyi		Renal age	d genitalia Mesia genital anomalies	12 O		
	•	K FACTORS FOR THIS	PREGNANCY	Veginal					1 0	(Specif				
	Tobacco use dur	ing pregnancy		Primary Repeat	birth after previous (Creection Creection					Polydacty	alate Ny/Syndactyly/Adactyly			
		ng pregnancy		Vacuum	• • • • • • • • • • • • • • • • • •	• • • • • • • • • •		!		Diaphrage	hatic hernia sculoskeletsVintegumenti			
			ID8.		NORMAL CONDITION	NS OF THE	NEWI	IOAN		(Specify	d	19 0		
	39. OBSTETRIC ICheck all th	al applyl		Birth inj	1Hc1. < 39/Hgb. <			1		Other chri (Specify	emosomal enomalies //	20 0		
	Electronic fetal n	nonitoring	02 🖸	Fatel at Hyaline	cohol syndrome membrane disease/R	DS	• • • •	 						
	Stimulation of lai Tocorysis	H	04 🗇	A	um aspiration syndro d ventilation < 30 mi d ventilation ≥ 30 mi			1			(Specify)	·································		
	Ultrasound		06 0	Seizure None	• · · · · · · · · · · · · · · · · · · ·									
PHS-T-002	/Speci	NI .	V/ U		(Specify)									

Table I. Content of the U.S	. Standard Certificate of	f Live Birth, by year revised
-----------------------------	---------------------------	-------------------------------

ltem	1900	1910	1915	1918	1930	1939	1949	1956	1968	1978	198
Birth information											
lame of child	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Sex	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Date of birth "ime of birth	X	X X	X X	X	X X	X X	Х	Х	X X	X	X
Place of birth:	Х		~	Х			_	-		Х	Х
Name of hospital	-	-	-	-	-	Х	Х	Х	Х	Х	-
Name of facility	×	-	-	-	-	-	-	-	-	-	Х
Street and number	X	Х	Х	-	-	-	-	-	-	-	_
If birth occurred in hospital or institution, give				V	V						
its name instead of street number	_	_	_	X	×	_	_	_	_	_	×
Street and number if not in hospital.	_	_	_	_	_	x	x	x	x	x	X
Township of, or	Х	Х	Х	Х	Х	_	_	_	_	_	_
Village of, or	X	Х	X	X	X	-	-	-	-	_	_
City	Х	Х	Х	Х	Х	-	-	-	-	-	-
City, town, or location of birth	-	-	-	-	-	Х	Х	Х	Х	Х	Х
Inside city limits.	-	-	-	-	-	_	_	Х	Х	-	-
If outside city or town limits, write rural	_	_	_	_	_	Х	Х			_	-
County	X	X	X	X	X	Х	Х	Х	Х	Х	Х
Ward	× _	X _	×	×	×	_	×	×	×	×	×
irth weight	x	x	x	x	×	×	x	x	x	x	x
ingle, twin, triplet, etc	x	x	x	x	x	x	x	x	x	x	x
pgar score:	~	~	~	~	~	~	~	~	~	~	~
1 minute	_	_	_	_	_	_	_	_	-	Х	Х
5 minutes	-	-	-	-	-	-	-	-	-	Х	Х
other transferred prior to delivery	-	-	-	-	-	-	-	-	-	-	X
fant transferred	-	-	-	-	-	-	-	-	-	-	X
Mother information											
laiden name	_	х	х	х	х	х	х	х	х	х	_
aiden surname.	_	_	_	_	_	_	_	_	_	_	>
III name	Х	_	_	_	_	_	_	_	_	_	>
je	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	-
ate of birth	-	-	-	-	-	-	-	-	-	-	>
rthplace	Х	Х	Х	-	-	-	-	-	-	-	-
irthplace (State or country)	-	-	-	Х	Х	Х	Х	Х	Х	Х	X
rthplace (city or place)	-	-	-	Х	Х	Х	-	-	-	-	-
In hospital or institution	-	-	-	-	-	Х	-	-	-	-	-
In this community	-	-	-	-	-	Х	-	-	-	-	-
esidence	Х	Х	Х	Х	Х	_	_	_	_	_	-
State	-	-	-	-	-	Х	X	Х	Х	Х	X
County	-	_	-	-	_	X X	X	X X	X X	X	X
City, town, or location	_	_	_	_	_	X	X X	x	X	X X	>
	_	_	_	_	_	_	_	x	x	x	X
If rural, give location	_	_	_	_	_	Х	Х	_	_	_	-
Is residence on a farm?	_	_	_	_	_	_	_	Х	_	_	_
other's mailing address	_	_	_	_	_	Х	_	X	_	Х	>
spanic origin.	-	-	-	-	-	-	-	-	-	-	>
ace	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	>
ducation	-	-	-	-	-	-	-	-	Х	Х	>
egitimate	Х	Х	Х	Х	Х	-	Х	Х	Х	_	-
other married?	_	_	_	_	_	Х	-	-	-	Х	>
ccupation	Х	Х	Х	Х	Х	-	-	-	-	-	-
	_	_	_	-	×	X	_	_	_	-	-
ature of industry	_	_	_	× _	X	×	_	_	_	_	-
tale (month and year) last engaged in this work	_	_	_	_	x	_	_	_	_	_	_
Father information	v	v	v	×	~	×	~	~	×	~	,
ame	X X	X X	X X	X X	X X	X X	X X	X X	X X	X X	>
geate of birth	_	~	_	_	~	~	^	_	~	^	- ×
	x	X	x	_	_	_	_	_	_	_	-
irthplace (State or country)	_	-	_	Х	Х	Х	Х	Х	Х	Х	Х
irthplace (city or place).	-	-	_	X	X	X	-	-	-	-	_
ispanic origin.	-	-	-	-	-	-	-	-	-	-	>
ace	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	>
ducation	-	-	-	-	-	-	-	-	Х	Х	>
esidence	Х	Х	Х	Х	Х	-	-	-	-	-	-
a superior	Х	Х	Х	Х	Х	_	-	-	-	-	-
Occupation	-	-	-	_	_	Х	Х	Х	-	-	-
		_		X	× ×	X X _	X X -	X X -	_	-	_

See note at end of table.

Item	1900	1910	1915	1918	1930	1939	1949	1956	1968	1978	1989
Pregnancy information											
Pregnancy history:1											
Live births, now living	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Live births, now dead	-	-	-	Х	Х	Х	Х	Х	Х	Х	Х
Born dead (stillborn, fetal death)	-	-	-	Х	Х	Х	-	Х	Х	-	-
Born dead after 20 weeks pregnancy	-	-	-	-	-	-	Х	-	-	-	-
Other terminations (spontaneous and induced):											
	_	-	_	_	_	_	_	_	_	X	_
Over 20 weeks	-	-	-	-	-	-	-	-	-	Х	_
at any time after conception):										_	х
Date of last live birth.	_	_	_	_	_	_	_	_	x	x	x
Date of last fetal death	_	_	_	_	_	_	_	_	X	_	_
Date of last other termination	_	_	_	_	_	_	-	_	_	Х	х
Whether born alive or stillborn	_	Х	Х	Х	Х	_	_	_	_	_	_
Cause of stillbirth	-	-	-	-	Х	-	-	-	-	-	-
Stillbirth, before labor or during labor	-	-	-	-	Х	-	-	-	-	-	-
f stillborn, period of gestation	-	-	-	-	Х	-	-	-	-	-	-
Clinical estimate of gestation	-	-	-	-	-	-	-	-	-	-	Х
Date last normal menses began	-	-	-	-	-	-	_	_	Х	Х	Х
Length of pregnancy (completed weeks)	-	-	-	-	-	_	Х	Х	-	-	-
Months of pregnancy.	-	-	-	-	_	Х	-	-	-	-	-
Premature or full term	-	-	-	-	Х	-	-	-	-	_	_
Month of pregnancy prenatal care began	-	-	_	-	-	-	-	_	X	X	X
Number of prenatal visits	-	-	-	-	-	-	-	-	Х	Х	Х
6										V	
the pregnancy	_	-	-	-	-	-	-	-	-	×	_ X
Medical risk factors for this pregnancy (checkboxes) Other risk factors for this pregnancy (smoking,	-	-	-	-	-	-	-	-	-	-	~
alcohol use, weight gain)									_		х
Complications not related to pregnancy	_	-	_	_	_	-	-	_	×	_	^
Complications not related to pregnancy	_	_	_	_	_	_	_	_	^	×	_
Complications related to pregnancy.	_	_	_	_	_	_	_	_	Х	_	_
Complications of labor and/or delivery	_	_	_	_	_	_	_	_	_	Х	_
Complications of labor and/or delivery (checkboxes)	_	_	_	_	_	_	_	_	_	_	Х
Complications of labor	-	-	-	-	-	-	-	-	Х	-	_
Obstetric procedures (checkboxes)	-	-	-	-	-	-	-	-	-	-	Х
Method of delivery (checkboxes)	-	-	-	-	-	-	-	-	-	-	Х
Abnormal conditions of the newborn (checkboxes)	-	-	-	-	-	-	-	-	-	-	Х
Congenital malformations or anomalies of child	-	-	-	-	-	-	-	-	Х	Х	_
Congenital anomalies of child (checkboxes)	-	-	-	-	-	-	-	-	_	-	Х
Birth injuries to child	-	-	-	-	-	-	-	-	Х	-	-
Certification information											
Signature of certifier	X	X	X	X	X	X	X	X	X	Х	Х
Type of attendant	X _	×	×	×	×	X	X	X	X	-	-
Date signed	×	×				X	X	X	× _	×	X
Name of registrar adding given name	X	x	X X	X X	X X	X X	X X	X X	-	-	_
Name and title of attendant at birth if other than	~	~	~	~	~	~	~	~	-	-	-
										х	
Name and title of attendant if other than	-	-	-	-	-	-	-	-	-	~	_
certifier (checkboxes)											х
Mailing address of attendant	_	_	_			_	_	_	_	_	X
Name and title of certifier	_	_	_	_	_	_	_	_	_	x	_
Name and title of certifier (checkboxes)	_	_	-	_	_	-	-	_	_	_	X
Name of certifier.	_	_	_	_	_	_	_	_	Х	_	-
Mailing address of certifier	-	-	-	-	-	-	-	-	X	Х	_
Address of certifier	Х	Х	Х	Х	Х	Х	Х	Х	-	-	-
Signature of registrar	-	-	-	-	-	Х	Х	Х	Х	Х	Х
Registrar	Х	Х	Х	Х	Х	-	-	-	-	-	-
Date received by registrar	-	-	-	-	-	-	-	-	-	Х	-
Date received by local registrar	_	-	-	_	_	Х	Х	Х	Х	-	-
Date filed	Х	Х	Х	Х	Х	-	-	-	-	_	Х
Signature of parent or other informant	-	-	-	-	-	_	_	_	_	Х	Х
	_	_	_	_	_	Х	Х	Х	Х	-	_
Informant	_	_	_	_		X	~	_	X	Х	

¹Prior to 1939, the pregnancy item included the birth being registered. Beginning with 1939 the birth being registered is excluded.

NOTE: X Item included on standard certificate. – Item not included on standard certificate.

TYPE/PRINT					J.S. STAN								
IN PERMANENT	LOCAL FILE NUMBER			CERTIF	ICATE	OF	DEATH	<u> </u>		TE FILE NU			
BLACK INK FOR INSTRUCTIONS	1. DECEDENT'S NAME (First, Mid	ddie,Lasti			.								(Month,Daγ,Year)
SEE OTHER SIDE AND HANDBOOK	4. SOCIAL SECURITY NUMBER	(Years)	y 5b. UND Months	DER 1 YEAR	5c. UN Hours	Mir	nutes	Day, Y			Foreign	PLACE (City Country)	and State or
DECEDENT	 WAS DECEDENT EVER IN U.S ARMED FORCES? 	HOSPITAL			PLACE OF DE		HER.						
	(Yes or no)			ER/Outpatien				ursing Hom			Other		
	9b. FACILITY NAME (If not instit	tution, give street and .	nurnber)		90	:, UII	r, TOWN, C	H LUCATI	ON OF DEAT	н		96. 00	UNTY OF DEATH
tion TTONS DE	10. MARITAL STATUS-Married, Never Married, Widowed, Divorced (Specify)	11. SURVIVING SPO (If wife, give maiden			SUAL OCCL		rking life.	126. KIN	ND OF BUS	SINESS/IND	USTRY		
	13a. RESIDENCE-STATE 13b	D. COUNTY	13c. Cl	TY, TOWN, C	R LOCATION	1		13d. 51	REET AND	NUMBER			
ecceden physician SEE ON	13. INSIDE CITY 13F. ZIP COD LIMITS? (Yes or no)	(Spec	14. WAS DECEDENT OF HISP ISpecify No or Yes-If yes Mexican, Puerto Rican, etc Specify			specify Cuban,			RACE—American Indian, Black, White, etc. (Specify)				DUCATION ide completed) College (1-4 or 5+
LO SWAN	17. FATHER'S NAME (First, Midd	dle,Last)				18. N	NOTHER'S N	NAME (Fits	t, Middle, Mai	den Surne	ame)		
S 2 2 1 INFORMANT	19a. INFORMANT'S NAME (Type	e/Print)	1	9b. MAILING	ADDRESS (S	Street a	and Number	or Rural R	oute Number	r, City or	Town, Sta	nte, Zip Coo	le)
	20a. METHOD OF DISPOSITION		205 PLAC	E OF DISPOS	SITION (Name	of cer	netery, crea	natory, or	20c. 100	ATION-	City or To	wn, State	
DISPOSITION	Burial Cremation	Removal from State	other	r place)									
DISPOSITION	21a. SIGNATURE OF FUNERAL	SERVICE LICENSEE OF	, ,		CENSE NUME	BER	22. NAM	ME AND AI	DDRESS OF	FACILITY			
SEE DEFINITION	PERSON ACTING AS SUCH	н			(of Licensee)								
PRONOUNCING PHYSICIAN ONLY	when certifying physician is not available at time of death	23a. To the best of my Signature and Title	-	death occurre	ed at the time	, date,	and place s	stated. 23	b. LICENSE	NUMBER			Έ SIGNED nth,Daγ,Year)
ITEMS 24-26 MUST BE COMPLETED BY PERSON WHO	24. TIME OF DEATH	25. DATE PRONOUNCI		onth,Day,Yea	r)			26	. WAS CASI (Yes or no)		ED TO ME	DICAL EXA	MINER/CORONER?
SEE INSTRUCTIONS	27. PART I. Enter the diseases arrest, shock, or n IMMEDIATE CAUSE (Final disease or condition resulting in death)	a.	one cause on			er the	mode of dyi	ing, such a	s cardiac or	respirator	¥	In	pproximate terval Between nset and Death
ON OTHER SIDE	Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury	ig to immediate DUE TO (OR AS A CONSEQUENCE OF): UNDERLYING Sase or injury C.											
	that initiated events resulting in death) LAST	DUE TO	OR AS A CO	DNSEQUENCE	OFI:								
CAUSE OF DEATH	PART II. Other significant condit	ions contributing to de	ath but not re	esulting in the	e underlying c	ause g	iven in Part	I	28a. WAS A PERFOR (Yes or	RMED?	PSY 28t	AVAILAE COMPLE	UTOPSY FINDINGS BLE PRIOR TO TION OF CAUSE TH? (Yes or no)
	29. MANNER OF DEATH Natural Pending Accident Investigation 30a, DATE OF INJURY (Month, Day, Year) 30b, TIME OF INJURY 30c, INJURY AT WORK? 30d, DESCRIBE HOW INJURY OCCURRED (Yes or no) M)				
	Suicide Could no Suicide Determin Homicide		INJURY – At Ic. (Specify)	home, farm, :	street, factory	, offic	e 30f. LO	CATION (S	Street and Nu	umber or	Rural Rout	le Number,	City or Town, State
SEE DEFINITION ON OTHER SIDE		TIFYING PHYSICIAN //							ounced deat	h and cor	npleted ite	em 23)	
+		NOUNCING AND CERTING best of my knowledge									ated.		
CERTIFIER		ICAL EXAMINER/CORC		atigation, in m	ny opinion, de	ath oc	curred at th	e time, dat	e, and place	, and due	to the car	use(s) and (manner as stated.
	31b. SIGNATURE AND TITLE OF	F CERTIFIER					31	c. LICENS	E NUMBER		31d. DA	TE SIGNED) (Month,Day,Year)
	32. NAME AND ADDRESS OF	PERSON WHO COMPL	ETED CAUSE	OF DEATH (ITEM 27) (Ty	pe/Prin	nt/				ł		
REGISTRAR	33. REGISTRAR'S SIGNATURE										34. DA1	TE FILED (A	fonth,Day,Year)
PHS-T-003	<u>V</u>										L		

REV. 1/89

Table II. Content of the U.S.	. Standard Certificate of	Death, by year revised
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Item	1900	1910	1918	1930	1939	1949	1956	1968	1978	198
Decedent information										
Vame	Х	Х	х	Х	Х	х	х	х	х	Х
Name of decedent (in margin)						-			-	X
Sex	X X									
	-	_	_	-	_	_	_	-	_	X
vge:										
Years	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Months/days	Х	X	X	X	Х	Х	Х	X	Х	Х
Hours/minutes	×	X X								
Sirthplace:	~	~	~	~	Λ	Λ	Λ	~	~	~
State or country.	Х	Х	Х	Х	Х	Х	Х	Х	Х	_
City, town, or county	-	-	_	_	Х	-	-	-	-	-
	-	-	Х	Х	-	-	-	-	-	-
City and State or country	_	_	_	_	_	- x	x	- x	×	X
low long in U.S., if of foreign birth	_	_	x	x	x	_	_	_	_	_
Aarital status	Х	Х	X	X	X	Х	Х	Х	Х	Х
urviving spouse (if wife, give maiden name)	-	-	-	-	-	-	-	Х	Х	Х
lame of husband or wife	-	-	Х	Х	Х	-	-	-	-	-
ge of husband or wife, if alive.	-	-	-	-	Х	-	-	-	-	-
/as decedent ever in U.S. armed forces?	_	_	_	_	_	X X	X X	_	×	X _
If veteran, name war	_	_	_	_	x	_	_	_	_	_
ocial security number	_	_	_	_	X	Х	Х	Х	Х	Х
	Х	Х	Х	Х	-	-	-	-	-	-
Isual occupation	-	-	_	-	Х	Х	Х	Х	Х	Х
	-	-	X	-	×	- x	-	-	×	-
Business or industry	_	X _	X _	X X	~	_	X _	X _	_	X
otal time (years) spent in this occupation	_	_	_	x	_	_	_	_	_	_
esidence:	V	V								
Former or usual residence	X _	X	_	_	×	×	×	×	×	x
Length of residence in the State (years, months,	-	-	-	-	~	~	~	~	^	~
and days)	-	Х	_	-	-	_	_	-	-	_
County	-	-	-	-	Х	Х	Х	Х	Х	Х
City, town, or location	-	-	-	-	Х	Х	Х	Х	Х	Х
If nonresident, give city or town and State	-	-	Х	Х	-	-	-	-	-	-
Ward	-	-	X	X	-	-	-		-	-
Street and number	_	_	X _	X _	X _	X _	X X	X X	X X	X
Is residence on a farm?	_	_	_	_	_	_	X	_	_	_
ZIP Code	-	-	-	-	-	-	-	-	-	Х
ducation	-	-	-	-	-	-	-	-	-	Х
ather's name	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
State or country	х	х	v	х	v					
State or country	^	^	X X	x	X _	_	_	_	_	_
City, town, or county.	_	_	_	-	Х	_	_	_	_	-
lother's maiden name	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
irthplace of mother:										
State or country.	Х	Х	Х	X	Х	-	-	-	-	-
City or town	-	-	× _	X _	×	_	-	_	_	_
City, town, or county	-	-	-	-	^	-	-	-	-	_
Place of death information										
ounty	х	х	х	х	х	х	х	х	х	х
ity, town, or location	^	^	_	^	x	x	x	x	x	x
side city limits	-	-	_	-	_	_	X	X	_	_
ownship of, or	Х	Х	Х	Х	-	-	-	-	-	-
illage of, or	Х	Х	Х	Х	-	-	-	-	-	-
ity of	Х	Х	Х	Х	-	-	-	-	-	-
/ard	X X	X X	X X	X X	_	_	-	-	_	-
ame of hospital or other institution	^	^	_	~	×	×	×	×	×	_
ame of facility	_	_	_	_	_	_	_	_	_	>
hospital or institution indicate whether dead on arrival,										
outpatient/emergency room, or inpatient	-	-	-	-	-	-	-	-	Х	-
death occurred in a hospital or institution, give its										
name instead of street and number	Х	Х	Х	Х	-	-	-	-	-	-
not in hospital or institution, give street address or										
location	-	-	-	-	Х	Х	Х	Х	Х	X
Type of place of death (checkboxes)	_	_	_	_	×	_	_	_	_	X
ength of stay in hospital	_	_	_	_	X	_	_	_	_	_
enoth of stay in this community										-
ength of stay in this community	×	Х	Х	Х	_	Х	Х	-	-	-

See note at end of table.

Table II. Content of the U.S.	. Standard Certificate of Deatl	i, by year revised—Con.
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Item	1900	1910	1918	1930	1939	1949	1956	1968	1978	198
Medical certification										
use of death	х	Х	х	Х	-	-	-	-	-	-
	Х	Х	Х	_	-	-	-	-	-	-
Date of onset	_	_	_	X _	×	×	×	×	×	×
Interval between onset and death.	_	_	_	_	x	x	x	X	X	X
ie to	-	-	-	-	X	X	X	X	X	Х
nterval between onset and death	-	-	-	-	Х	Х	Х	Х	Х	Х
	-	-	-	-	X	X X	X	X	X X	X
Interval Detween Onset and death. . <td>_</td> <td>_</td> <td>_</td> <td>_</td> <td>X _</td> <td>~</td> <td>X _</td> <td>×</td> <td>~</td> <td>X X</td>	_	_	_	_	X _	~	X _	×	~	X X
Interval between onset and death.	_	_	_	_	_	_	_	_	_	x
ntributory cause	Х	Х	Х	Х	-	-	-	-	-	-
	Х	Х	Х	-	-	-	-	-	-	-
Date of onset	_	_	_	X _	×	- X	×	_ X	×	,
	_	_	_	_	x	_	_	_	_	-
Interval between onset and death	-	-	-	-	-	Х	-	-	-	-
as autopsy performed?	-	-	Х	Х	-	Х	Х	Х	Х)
ere autopsy findings considered in determining cause										
f death?	-	-	-	-	-	-	-	Х	-	-
ere autopsy findings available prior to completion of ause of death?	_			_				_)
hat test confirmed diagnosis?	_	_	×	×	_	_	_	_	_	-
jor findings of autopsy	_	-	-	-	Х	-	-	-	-	
an operation precede death?	-	-	Х	_	-	_	-	-	-	
Date of operation	-	-	Х	Х	-	Х	-	-	-	
Name of operation	_	_	_	X _	×	×	_	_	_	
here was disease contracted if not place of death?	×	×	×	_	^	~	_	_	_	
r deaths from external causes: Accident, suicide, homicide, undetermined, or										
pending investigation	-	-	-	-	-	-	-	-	Х	
Accident, suicide, homicide, or undetermined	-	_	_	_	_	_	_	Х	-	
Accident, suicide, or homicide	-	Х	Х	Х	Х	Х	Х	-	-	
Aanner of death (checkboxes): Natural, accident, suicide, homicide, pending										
investigation, could not be determined	_	_	_	_	_	_	_	_	_	
Date of injury	_	_	_	Х	Х	Х	Х	Х	Х	
ime of injury	-	-	-	-	-	Х	Х	Х	Х	
How injury occurred	-	-	-	-	_	Х	Х	Х	Х	-
njury at work?	-	-	_	×	X X	X X	X X	X X	X X	
Location of injury	_	_	_	X	x	X	x	X	x	
Means of injury	-	-	-	-	Х	-	-	-	-	
Manner of injury	-	-	-	Х	-	-	-	-	-	
	-	-	-	X	-	-	-	-	-	
Vas disease or injury related to occupation?	-	-	-	X X	-	-	-	-	-	
f so, specify	-	-	-	^	-	-	-	-	-	
Signature and title of certifier	Х	Х	Х	Х	Х	Х	Х	Х	Х	
Title (checkboxes)	-	-	-	-	-	-	-	-	-	
icense number.	-	-	-	-	-	-	-	-	-	
Separate medical examiner or coroner certification Date signed	- x	×	- x	_	×	×	×	X X	X X	
Date of death	x	x	X	×	x	x	x	x	X	
Time of death	X	X	X	X	X	X	X	X	X	
Date pronounced dead	-	-	-	-	-	-	-	Х	Х	
lour pronounced dead	-	-	-	-	-	-	-	Х	Х	
Name of attending physician, if other than certifier Name of certifier	_	_	_	_	_	_	_	×	X X	
	×	×	x	×	x	×	×	x	x	
Dates physician attended decedent	X	X	X	X	X	X	X	X	_	
Date last seen alive	Х	Х	Х	Х	Х	Х	Х	Х	-	
Did physician view body after death?	-	-	-	-	-	-	-	Х	-	
Vas case referred to medical examiner or coroner?	-	-	-	-	-	-	-	-	Х	
nouncing physician: Signature and title	_	_	_	_	_	_	_	_	_	
	_	_	_	_	_	_	_	_	_	
Date signed	-	-	-	-	-	-	-	-	-	
Disposition information										
rial, cremation, or removal	-	_	_	-	х	х	х	х	х	
thod of disposition (checkboxes).	-	-	_	-	-	-	-	-	-	
te of burial	Х	Х	Х	Х	Х	Х	Х	Х	-	
	Х	Х	-	_	-	-	-	-	_	
ce of burial or removal		~								
ace of burial or removal	-	-	Х	Х	Х	-	_	_	_	
ace of burial or removal		- - -		× - -	X - -	- x x	- x x	- X X	– X X	

Table II. Content of the U.S. Standard Certificate of Death, by year revised—Con.

Item	1900	1910	1918	1930	1939	1949	1956	1968	1978	1989
Disposition information—Con.										
Signature of funeral director	-	-	-	-	х	-	-	Х	-	-
as such	_	_	_	_	_	_	_	_	X _	X X
Name of funeral director (or person acting as such)	X X	X X	X X	X X	_ X	X X	X X	_	_	_
Name of facility (funeral home)	-	-	-	-	-	-	-	X X	X X	X X
Other information								Χ	Χ	Χ
Informant's signature	_	_	_	_	x	_	_	_	_	_
Informant's name	Х	Х	Х	Х	_	Х	Х	Х	Х	х
Mailing address.	Х	X	Х	Х	Х	-	Х	Х	Х	X
Registrar's signature	-	-	-	-	Х	Х	Х	Х	Х	Х
Registrar	Х	Х	Х	Х	-	-	-	-	-	-
Date received by local registrar	-	-	_	-	Х	Х	Х	Х	-	-
Date received by registrar	-	-	-	-	-	-	-	-	Х	-
Date filed	Х	Х	Х	Х	-	-	-	_	-	Х

NOTE: X Item included on standard certificate. – Item not included on standard certificate.

TYPE/PRINT					RE	u.s. sta PORT OF FI			STATE F	ILE NUMBER		
PERMANENT BLACK INK FOR	1. FACILITY NAME III no	t institution,	give street i	nd numb	er)							
INSTRUCTIONS SEE HANDBOOK	2. CITY, TOWN, OR LOC	ATION OF C	DELIVERY			3. COUNTY OF			4. DATE OF DELIVE	RY (Month	.Day, Year)	B. SEX OF FETU
Í	6a, MOTHER'S NAME (First, Middle, Last)						E 7. DATE OF BIRTH (Monin, Dey, Yee					
PARENTS						OR LOCATION			Bd. STREET AND NUMBER			
Į	8. INSIDE CITY LIMITS? (Yes or no) 11. OF HISPANIC ORIGIN? 12. RACE-					ME (First, Middle, Last	EDUCA	TION	10. DATE OF BIRTH (Month, Day, Yee)			
	11. OF HISPANIC ORIGIN (Specify No or Yes I specify Cuban, Mexic Rican, etc.)	f yes,	Black,	White, et ly below!	c.		ighest g	College		Norked dur	ing last year)	siness/Industry
MOTHER	11a. 🗆 No 📄 Yes Specify:		128.			13a.			14a.			
FATHER	11b. 🗋 No 📄 Yes Specify:		126.			13b.		1	14c.	D NUMBER D NUMBER 10. DATE OF B JPATION AND BUSIN (Worked during less (Worked during less (Worked during less (Worked during less (International) 14b 17. DATE LAST BEGAN (Mc 19. PRENATAL Number (I/) 21. CLINICAL E GESTATION 22. IF NOT SIN FIRIT. Seec (SDeci/y) AL ANOMALIES OF Iner apply: AL ANOMALIES OF Iner apply: AL ANOMALIES OF Iner apply: AL ANOMALIES OF Iner appli (Inter apply:) AL ANOMALIES OF Iner appli (Inter apply:) AL ANOMALIES OF Iner appli (Inter appli) AL ANOMALIES OF Inter appli (Inter appli) AL ANO	14d.	
			PREGNANCY		Y		(OTHER MARRIED		D. NUMBER 10. DATE OF BIRTH (Monit), C PATION AND BUSINESS/INDUSTR Worked during last year! 100 Business/Int 14b. 14b. 14d. 17. DATE LAST NORMAL MEI BEGAN (Monith, Day, Year!) 19. PRENATAL VISITS – Total Number (If none, so stele) 21. CLINICAL ESTIMATE OF GESTATION (Weeks) 22b. IF NOT SINGLE BIRTH – I First, Second, Third, etc. (Specify) AL ANOMALIES OF FETUS (Inst apply) Iningocele roous system anomalies tions statist anomalies taile actrylv/Adactyly remis actification mellise		
ULTIPLE BIRTHS		BIRTHS			OTHER TERM Spontaneous an any time after	d induced at		Yes or no!	NCY PRENATAL	19. PRE	NATAL VISIT	S—Total
umber for sta(s) VE BIRTH(S)	15a. Now Living 15b. Now Deed 11 Number Number None None				to not include th	his letusi	C.A.					
				1	Number			VEIGHT OF FETUS Specify Unill				
TAL DEATH(S)	15c. DATE OF LAST LIV (Month, Yeer)	BIRTH	150. DATE OF LAST OTH TERMINATION (Mon				220.	PLURALITY - Single Triplet, etc. (Speci	a, Twin, (y)	Fir	rst, Second, Third, etc.	
ſ	Z38. MEDICAL RISK FACTORS FOR THIS PREGNANCY					RIC PROCEDURES	L				IES OF FETU	s
MEDICAL AND HEALTH INFORMATION	Anemia IHCt. < 30/Hgb. < Cardiac disassa Acuta or chronic hung disa Diabates	Electronic far Induction of Stimulation of Stimulation of Ultrasound - Induction of Stimulation of Stimulation of Stimulation (Check - Fabrila () 1 Maconium, - Penetra Pre- Placenta Pre- Differ access Saiture during Prolonged all Stimulation Dysfunctions Breech/Millor Other access Saiture during Cobalopsivi Cord prolong Differ access Saiture during Cobalopsivi Cord prolong Differ access Saiture during Differ access Saiture during Cobalopsivi Cord prolong Differ access Saiture during Differ access Saiture during Cobalopsivi Cord prolong Differ access Saiture during Differ access Saiture du	is monitoring habor	2 AND/C	02 0 03 0 04 0 05 0 07 0	Arancephalus 0 Soina bifdd/Meningoceia 0 Hydrocephalus 0 Other central nervous system anomalies 0 ISpecify) 0 Heart maiformations 0 Other circulatory/respiratory anomalies 0 ISpecify) 0 Rectal area/stenosit 0 Other gestrointestinal anomalies 0 Other gestrointestinal anomalies 0 Other gestrointestinal anomalies 1 Specify) 1 Definitional anomalies 1 Specify) 2 None 0 Other muculuskelestal'Integumental anomalies						
CAUSE OF FETAL DEATH	PART I, Fetal or maternal condition directly causing fetal deat fetal and/or maternal conditions, if any, giving rise to the immediate cause(s), stating the under lying cause last.	ş	а. DUE TO b		SE CONSEQUENC						Specify F	etal or Maternal atal or Maternal atal or Maternal
	PART II. Other significant	conditions	of fetus or m	other con	tributing to feta	l death but not resu	Iting in 1	the underlying caus	e given in Part I.	DUR	JS DIED BEFO ING LABOR (NOWN ISpec	OR DELIVERY,
(30. ATTENDANT'S NAM							81. NAME AND TIT	LE OF PERSON COM	L PLETING RI	EPORT (Type	Print)
H S-T-0 07	☐ M.D. ☐ D.O. ☐ Other (Spec)		м. 🗌 он	ner Midwi	1e			Title				

24

Item	1930	1939	1949	1956	1968	1978	198
Fetal death information							
Name of fetus	Х	Х	х	х	х	-	-
Sex of fetus	Х	Х	Х	Х	Х	Х	Х
Date of delivery	X _	X _	X _	X _	X X	X X	Х
lace of delivery:	—	—	—	_	~	~	_
Name of hospital.	-	х	х	х	х	х	-
Name of facility	_	-	-	-	-	Х	-
State	Х	_	-	-	-	-	-
If birth occurred in hospital or institution, give its name instead of street number.	х	_	_	_	_		
Street and number if not in hospital	x	×	×	×	×	×	- ×
Township	X	_	_	_	_	_	-
Village	Х	-	-	-	-	-	-
City	Х	_ _	_	_	_ X	_	-
City, town, or location of delivery	_	X _	X _	X X	X	X _	>
If outside city or town limits, write rural	_	_	х	x	-	_	-
County of delivery	Х	Х	Х	Х	х	Х	>
Ward	Х	-	_	-	-	-	-
Veight of fetus	x	x	X X	X X	X X	X X	>
ingle, twin, triplet, etc	x	x	â	x	x	x	>
	Х	Х	~	~	~	~	,
Mother information							
lother's name (first, middle, last)	x	x	x	- x	-	-)
laiden name	^ _	^	_	<u>^</u>	X _	_	>
ge	х	х	х	х	х	х	-
Pate of birth	_	_	_	_	_	_)
irthplace (State or country)	Х	Х	Х	Х	Х	-	-
irthplace (city or place)	Х	X	-	-	-	-	-
ength of stay in hospital or institution before delivery	- x	X _	-	_	_	_	-
State	_	х	х	х	х	х)
County	-	х	Х	х	Х	х)
City, town, or location.	-	X	X	X	X	X	>
Street and number	_	X _	X _	X X	X X	X X)
Inside city limits	_	x	x	~	~	~	-
Is residence on a farm?	_	_	-	х	-	-	-
ZIP Code	-	-	-	-	-	-)
lother's mailing address	-	X	-	-	_	-	-
ace	X _	X _	X _	X _	X _	X _	>
	_	_	_	_	х	х	Ś
egitimate	Х	-	Х	Х	Х	-	-
lother married?	_	Х	-	-	-	Х	2
rade, profession, or particular type of work done	Х	_	-	-	-	-	-
sual occupation	_	×	_	_	_	_	>
ind of business or industry	x	x	_	_	_	_	Ś
ate (month and year) last engaged in this work	Х	-	-	-	-	-	
otal time (years) spent in this work	Х	-	-	-	-	-	-
Father information							
ame	Х	Х	Х	Х	Х	Х	
ge	Х	Х	Х	Х	х	Х	
ate of birth	_	_	_	_	-	-	
rthplace (State or country)	X X	X X	X _	X _	_	_	
	-	-	_	_	_	_	
ace	Х	Х	х	Х	Х	Х	
ducation	-	-	-	-	Х	Х	
	Х	-	-	-	-	-	
ade, profession, or particular type of work done	X _	- x	- x	- x	_	-	
sual occupation	_	~ _	_	_	_	_	
ind of business or industry	х	Х	х	х	-	-	2
ate (month and year) last engaged in this work	X X	_	_		_		
	~						
Pregnancy information							
regnancy history: ¹ Live births, now living	х	х	х	х	х	х)
Live births, now dead.	X	x	x	x	X	x	>
	X	X	_	X	x	_	-
Born dead (stillborn, fetal death)	~		Х				

See footnote and note at end of table.

Item	1930	1939	1949	1956	1968	1978	19
Pregnancy information—Con.							
Other terminations (spontaneous and induced):							
Under 20 weeks	-	-	-	-	-	Х	-
Over 20 weeks	-	-	-	-	-	Х	
Other terminations at any time after conception	_	_	_	_	_ X	_ X	
Date of last fetal death	_	_	_	_	x	_	
Date of last other termination	-	-	-	-	_	х	
Whether born alive or stillborn	Х	-	-	-	-	-	
onth of pregnancy prenatal care began	-	-	-	-	X	X	
umber of prenatal visits	-	-	_	_	X _	X X	
inical estimate of gestation	_	_	_	_	_	~	
stillborn, period of gestation	Х	-	-	-	-	-	
ength of pregnancy (completed weeks)	-	-	Х	Х	-	-	
ate last normal menses began.	-	_	-	-	Х	Х	
	-	x _	_	_	_	_	
emature or full term	X _	_	_	_	_	×	
omplications not related to pregnancy	_	_	_	_	×	_	
omplications of pregnancy	_	х	_	-	_	х	
omplications related to pregnancy	-	-	-	-	Х	-	
omplications of pregnancy and labor	-	-	Х	-	-	-	
edical risk factors for this pregnancy (checkboxes)	-	-	-	-	-	-	
her risk factors for this pregnancy (smoking, alcohol use, weight							
	_	_	_	_	_	×	
omplications of labor and/or delivery	_	_	_	_	_	^	
mplications of labor.	_	x	_	_	×	_	
ostetric procedures (checkboxes)	_	-	_	_	_	-	
ethod of delivery (checkboxes)	-	-	-	-	-	-	
as labor induced?	-	Х	-	-	-	-	
ngenital malformations or anomalies of fetus	-	-	-	-	Х	Х	
ngenital anomalies of fetus (checkboxes)	-	-	-	-	-	-	
as there an operation for delivery?	-	X X	_ X	_	_	-	
d the child die before operation?	_	Â	_	_	_	_	
	_	x	_	_	_	_	
rth injuries to fetus	-	Х	-	-	Х	-	
Medical certification information							
	х	_	_	_	_	_	
Fetal causes	-	х	х	_	_	_	
Maternal causes	-	x	X	-	-	-	
Immediate cause	-	-	-	Х	Х	Х	
Whether fetal or maternal	-	-	-	-	Х	х	
Due to	-	-	-	Х	Х	Х	
Whether fetal or maternal	-	-	-	_	X	X	
	-	-	-	Х	X X	X	
Whether fetal or maternal	_	_	_	×	X	X X	
ner fetus died:	_	_	_	A	Х	~	
Before labor	х	х	_	Х	Х	х	
During labor or delivery	-	-	-	Х	Х	Х	
During labor	Х	Х	-	-	-	-	
Jnknown	-	-	-	X	X	X	
as autopsy performed?	-	-	-	Х	X	Х	
f yes, were autopsy findings considered?	x	×	_	_	X X	_	
	-	_	_	_	x	_	
le of certifier	х	х	_	_	_	_	
dress of certifier	Х	Х	-	-	Х	-	
nature of attendant	-	-	Х	Х	-	-	
te signed	-	-	X	X	_	-	
e of attendant	-	-	X	Х	Х	-	
dress of attendant	_	_	X _	X	_	×	
me and title of attendant (checkboxes).	_	_	_	_	_	~	
inature of authorized official if not attended by physician.	_	_	Х	Х	х	_	
atement of local registrar or coroner if physician not present	-	х	-	-	-	-	
gnature	-	х	-	-	_	-	
le	-	Х	-	-	-	-	
Disposition information							
Irial, cremation, or removal	_	х	х	х	Х	_	
	_	X	x	x	x	-	
ace of burial or cremation	-	X	_	_	_	-	
			Х	Х	Х		
ame of cemetery or crematory	-	-	~	~	~	-	

See footnote and note at end of table.

Table III. Content of the U.S. Standard Report of Fetal Death, by year revised-Con.

Item	1930	1939	1949	1956	1968	1978	1989
Disposition information—Con.							
Signature of funeral director	_	х	_	_	х	_	-
Name of funeral director	_	_	х	х	-	-	_
Address	-	Х	Х	Х	-	-	_
Name of funeral home	-	-	-	-	Х	-	-
Address	-	-	-	-	Х	-	-
Other information							
Name of person completing report	_	_	_	_	_	х	Х
Title	-	-	-	-	-	Х	Х
nformant	_	Х	х	х	-	-	_
Address	-	Х	-	-	-	-	_
Signature of registrar	Х	Х	Х	Х	Х	-	-
Date received by local registrar	-	-	Х	Х	Х	-	_
Date filed with local registrar	Х	Х	-	-	-	-	-
Date given name added	Х	-	-	-	-	-	-
Signature of registrar	Х	-	-	-	-	-	_

¹Prior to 1939, the pregnancy history item included the event being registered. Beginning with 1939 the event being registered is excluded.

NOTE: X Item included on standard report. – Item not included on standard report.

TYPE/PRINT IN PERMANENT BLACK INK FOR INSTRUCTIONS SEE HANDBOOK

U.S. STANDARD	
REPORT OF INDUCED TERMINATION OF PREGNANCY	

								STATE FILE NUMBER
	CILITY NAME (If n fress)	ot clinic or hospi	ital, giv		N, OR LOCATIO Y TERMINATION	1	 COUNTY OF PRET TERMINATION 	GNANCY
4. PAT	TIENT'S IDENTIFIC	CATION		5. AGE LAST BIRTHD	AY 6. MARRIE	70 70	1	REGNANCY ION <i>(Month,Day,Year)</i>
8a. RES	SIDENCE-STATE	8b. COUNTY		8c. CITY, TOV	VN, OR LOCATIO	N	8d. INSIDE CITY LIMI (Yes or no)	TS? 8e. ZIP CODE
(Sp Cu etc	HISPANIC ORIGIN becify No or Yes – ban, Mexican, Pue c.) 🗌 No 🖾 becify:	If yes, specify		ACE] American Indian] Black] White] Other <i>(Specify)</i>			11. EDUCA Specify only highest g mentary/Secondary (0-12)	
NC BE	12. DATE LAST NORMAL MENSES BEGAN (Month,Day,Year) 13. CLINICAL ESTIMATE OF GESTAT (Weeks)				PREVIOUS PREG	NANCI	ES <i>(Complete each se</i> OTHER TEF	ction) RMINATIONS
				14a. Now Living	14b. Now Dea	ad	14c. Spontaneous	14d. Induced (Do not include this termination
				Number	Number		Number	Number
				🗆 None	I 🗆 None		🗆 None	None
				15. TERMINATION	PROCEDURES			
	ROCEDURE THAT REGNANCY (Check on)			TYPE OF TERMINA	TION PROCEDU	RES	15b. ADDITIONAL USED FOR T TERMINATIC (Check all th	HIS DN, IF ANY
				Suction C Sharp Cu . Dilation and Eva . Intra-Uterine Sa tra-Uterine Prosta Hystere Hystere . Other (Specify)_	urettage acuation (D&E line Instillatio glandin Instill otomy ctomy	 =) n ation 		
16. NA	AME OF ATTENDI	NG PHYSICIAN	(Түре/	(Print)	7. NAME OF PE	RSON (COMPLETING REPORT	- (Type/Print)

Item	1978	1989
Place of induced termination		
Name of facility	Х	х
Address (if not hospital or clinic)	Х	Х
City, town, or location	Х	Х
County	Х	Х
Induced termination information		
Date of pregnancy termination	Х	Х
Previous pregnancies:		
Live births, now living	Х	Х
Live births, now dead	Х	Х
Other terminations (spontaneous)	Х	Х
Other terminations (induced).	Х	Х
Date last normal menses began	Х	Х
Physician's estimate of gestation	Х	
Clinical estimate of gestation	-	Х
Complications of pregnancy termination:		
None	Х	-
Hemorrhage	Х	-
Infection	Х	-
Uterine perforation	Х	-
Cervical laceration	Х	-
Retained products	Х	-
Other (specify)	Х	-
ype of termination procedures:		
Procedure that terminated pregnancy	Х	Х
Additional procedures used:	Х	Х
Suction curettage	Х	Х
Sharp curettage	Х	Х
	Х	Х
Intra-uterine prostaglandin instillation	Х	Х
Hysterotomy	Х	Х
Hysterectomy	Х	Х
Dilation and Evacuation (D&E)	-	X
Other (specify)	х	X
Patient information		
Patient identification	x	х
de.	x	X
Arital status	X	X
Residence:	X	X
State	Х	Х
City, town, or location	x	X
Inside city limits.	x	X
County	-	X
ZIP Code.	_	X
Race (checkboxes)	Х	X
Education	X	X
lispanic origin.	_	x
Other information		
	×	v
Name of attending physician	X	X
Name of person completing report	Х	Х

NOTE: X Item included on standard report. – Item not included on standard report.

TYPE/PRINT IN			U.S	. STAND	ARD					
PERMANENT BLACK INK	LICENSI		NSE AND CEF	RTIFICA	ATE OF N	IARRIAG	E	STATE	FILE NUMBER	
FOR	1. GROOM'S NAME (First, Mid	ddie,Last)				2. AG	E LAST B			
SEE HANDBOOK	3a. RESIDENCE-CITY, TOW	N, OR LOCATION			T	36. COUNTY				
GROOM	3c. STATE	4.	BIRTHPLACE (State or Fe	preign Coun	try)	5.	DATE O	F BIRTH (Mont)	h,Day,Year)	
	6a. FATHER'S NAME (First, M	iddle,Last)	6b. BIRTHPLACE (S Foreign Country		a. MOTHER'S Maiden Suri		liddle,	7	7b. BIRTHPL Foreign (ACE (State or Country)
	Ba. BRIDE'S NAME (First, Mid	die.Lasti		8b. N	AIDEN SURNAN	ME (If different)	1	9. AGE L	AST BIRTH)AY
	10a. RESIDENCE-CITY, TOV	VN, OR LOCATION				105. COUNTY				
BRIDE	10c. STATE	11.	BIRTHPLACE (State or Fo	reign Count	'ry)	12	. DATE C	OF BIRTH (Mon	th,Day,Year)	
	13a. FATHER'S NAME (First, A	Aiddio,Last)	13b. BIRTHPLACE or Foreign Co.		4a. MOTHER'S Maiden Su		Middle,	1		LACE (State or Country)
SIGNATURES	WE HEREBY	CERTIFY THAT THE INF AND THAT V	ORMATION PROVID	RRY UN		NS OF THIS			AND BEL	IEF
LICENSE TO MARRY	1		Ceremony Under th	e Laws o	f the	17. E		N DATE (Mont		
	21. I CERTIFY THAT THE AE WERE MARRIED ON: (MI	OVE NAMED PERSONS 22 Onth,Day,Year)	a. WHERE MARRIED—CI	TY, TOWN,	OR LOCATION		22b. C	OUNTY		
	23a. SIGNATURE OF PERSON	N PERFORMING CEREMONY		235. NA	ME (Type/Print)			23c. TITLE		
CEREMONY	23d. ADDRESS OF PERSON	PERFORMING CEREMONY (St	eet and Number or Rural	Route Num	ber, City or Tow	in, State, Zip C	ode)			
	24a. SIGNATURE OF WITNE	SS TO CEREMONY			24b. SIGNA	TURE OF WITN	ESS TO C	EREMONY		
LOCAL OFFICIAL	25. SIGNATURE OF LOCAL	DFFICIAL MAKING RETURN TO) STATE HEALTH DEPAR	TMENT		26. DATE	FILED BY	LOCAL OFFIC	CIAL (Month,	Day, Year)
	CONFIDEN	TIAL INFORMATION. TH	E INFORMATION BEI	.ow will	L NOT APPEA	R ON CERT	IFIED CO	OPIES OF TH	HE RECOR	D.
	27. NUMBER OF THIS MARRIAGE-	28. IF PREVIOUSLY N	ARRIED, LAST MARRIAG ENDED	GE	29. RACE-	American India	n, Black,		30. EDUCA nly highest g	TION rade completed)
	First,Second,etc. (Specify below)	By Death, Divorce, Dissoluti or Annulment (Specify below		(ear)		etc. (Specify be		Elementary/S (0-1)		College (1-4 or 5+)
GROOM	27a.	28a.	286.		298.			30a.		
BRIDE	27ь.	28c.	1 28d.		29b.			30ь.		

PHS-T-004 REV. 1/89

Table V. Content of the U.S. Standard License and Certificate of Marriage, by year revised

ltem	1956	1968	1978	19
Groom information				
ame	Х	Х	Х	>
ge	-	-	X	>
ate of birth	X	X	X	>
300	Х	X X	X X	>
ducation	-	^	^	/
State	Х	Х	Х	>
	X	x	X	>
City, town, or location	X	X	X	>
Street and number	-	Х	Х	-
Inside city limits	-	Х	-	
rthplace (State or foreign country)	Х	Х	Х	1
arital status:			N.	
Number of this marriage	-	Х	Х	
Number of previous marriages	X	-	-	
Previous marital status	X X	×	_ X	
How last marriage ended	~	X	x	
ther's name	_	X	X	
Birthplace (State or foreign country)	_	X	X	
ther's maiden name.	_	X	X	
Birthplace (State or foreign country)	_	X	X	
	Х	-	-	
siness or industry	X	_	_	
Bride information	X	N.	×.	
	X	X	X	
aiden name, if different	Х	Х	X	
jeate of birth	×	×	X X	
ace	X	X	X	
	-	X	X	
ual residence:		~	~	
State	Х	Х	Х	
County	Х	Х	Х	
City, town, or location	Х	Х	Х	
Street and number	-	Х	Х	
Inside city limits.	-	Х	-	
thplace (State or foreign country)	Х	Х	Х	
Number of this marriage	_	Х	Х	
Number of previous marriages	Х	-	-	
Previous marital status	Х	-	-	
How last marriage ended	Х	Х	Х	
Date last marriage ended	-	Х	Х	
ther's name	-	Х	Х	
Birthplace (State or foreign country)	-	Х	Х	
other's maiden name.	-	Х	Х	
Birthplace (State or foreign country)	-	Х	Х	
cupation	Х	-	-	
siness or industry	Х	-	-	
License information				
	X	N/		
natures of applicants	X	X	-	
	×	Х	-	
oom's signature	-	-	X	
de's signature	-	-	X X	
te license was subscribed and sworn to	_	_	x	
		_	X	
piration date.	_	_	~	
Ceremony information				
te of marriage:	Х	Х	Х	
State	Х	Х	_	
	X	x	Х	
City	-	-	Х	
rson performing ceremony:			\mathbf{v}	
Title	_	_ X	X X	
Name	_	~	_	
	-	×	-	
Religious or civil		~		
0	-	-		
Address	-	_ x	_	
Religious or civil	- -	X	- - X	

See note at end of table.

Table V. Content of the U.S. Standard License and Certificate of Marriage, by year revised-Con.

Item	1956	1968	1978	1989
Other information				
Signature of local official making return to State health department	Х	Х	Х	Х
Date received by local official.	-	Х	Х	-
Date of recording	Х	-	-	-
Date filed by local official	-	-	-	Х

NOTE: X Item included on standard certificate. – Item not included on standard certificate.

IN PERMANENT		U.S. STANDARD										
BLACK INK	CERTIFICATE OF DIVORCE, DISSOLUTION											
FOR Instructions			C	of Marriag	E, OF		MENT					
SEE HANDBOOK	cour	RT FILE NUMBER							STATE FIL	E NUMBER		
INADUUCK	1. HUSBAND'S NAME (First,	Middle,Last)										
HUSBAND	2a. RESIDENCE - CITY, TOW	. RESIDENCE -CITY, TOWN, OR LOCATION					2b. COUNTY					
	2c. STATE		3. BIR	THPLACE (State or Fo	oreign Cou	intry)	1	4. DATE C	OF BIRTH	(Month,Day,Year)		
ſ	5a. WIFE'S NAME (First, Mide	die,Last)				55. MAID	EN SURNAME	l				
WIFE	6. RESIDENCE-CITY, TOW	N, OR LOCATION		<u></u>			66. COUN	TY				
WIFE	6c. STATE	c. STATE 7. BIRTHPLACE (State or Fo				gn Country)			8. DATE OF BIRTH (Month, Day, Year)			
4												
	99. PLACE OF THIS MARRIA LOCATION	GE-CITY, TOWN, OR	96. C	DUNTY		9c. STAT	E OR FOREIG	N COUNTRY		ATE OF THIS MARI Ionth,Day,Yeari	RIAGE	
MARRIAGE	11. DATE COUPLE LAST RES HOUSEHOLD (Month, Day			JMBER OF CHILDREN F THE DATE IN ITEM		B IN THIS HO	USEHOLD AS			Wife Bo		
L L			N	umber		None		D Other ((Specify)			
ATTORNEY	15. I CERTIFY THAT THE MA NAMED PERSONS WAS (Month,Dey, Year)		16. TY	PE OF DECREE - Divo	rce, Disso	lution, or Anni	ulment <i>(Specit</i>	ים 17. ע	ATE REC	ORDED (Month,De	ı, Yeerj	
	18. NUMBER OF CHILDREN AWARDED TO:	UNDER 18 WHOSE PHYSI	CAL CU	STODY WAS	19. CO	UNTY OF DEC	REE	20. T	TLE OF	COURT		
DECREE	Husband Joint (Husband/Wife) _ No children	Wife Other		_								
	21. SIGNATURE OF CERTIFYING OFFICIAL				22. TITLE OF CERTIFYING OFFICIAL 23.				3. DATE SIGNED (Month, Day, Year)			
	CONFIDENT	IAL INFORMATION.	THE IN	FORMATION BEL	ow wil	L NOT APP	EAR ON CE	RTIFIED C	OPIES (OF THE RECOR	D.	
(24. NUMBER OF THIS MARRIAGE-	25. IF PREVIOUS	SLY MARRIED, LAST MARRIAGE ENDED			26. BAC	E—American I	ndian, Black.	(Spe	27. EDUCA cify only highest g		
Į	First,Second,etc. (Specify below)	By Death, Divorce, Disso or Annulment (Specify b	ENDED 26. RACE—American Indian, Black, White, etc. (Specify below) (Specify only highest grede completed) h, Divorce, Dissolution, Iment (Specify below) Date (Month, Day, Year) College (1-4 or 5+)									
HUSBAND	248.	25a.		1 25b.		26.			27a.			
WIFE	24b.	25c.		25d.		26b <i>.</i>			27b.			

TYPE/PRINT

Table VI. Content of the U.S. Standard Certificate of Divorce, Dissolution of Marriage, or Annulment, by year revised

Item	1956	1968	1978	1989
Husband information				
ame	Х	Х	Х)
ate of birth	Х	Х	Х)
ace	Х	Х	Х	2
ducation	-	Х	Х	
sual residence:				
State	X	X	X	
County	X	X	X	
City, town, or location	x _	X X	X X	
	_	X	~	
rthplace (State or foreign country)	Х	X	Х	
arital status:				
Number of this marriage	Х	Х	Х	
If previously married, how many ended by death? divorce? If previously married, last marriage ended by death, divorce, dissolution,	-	Х	х	
or annulment	-	-	-	
Date last marriage ended	-	-	-	
	X	-	-	
isiness or industry	Х	-	-	
Wife information				
ame	Х	Х	Х	
aiden surname.	-	-	-	
te of birth	Х	Х	Х	
ace	Х	Х	Х	
lucation	-	Х	Х	
State	Х	Х	Х	
County	X	Х	X	
City, town, or location	Х	X	X	
Street and number	-	X X	Х	
Inside city limits	×	X	_ X	
arital status:	~	Λ	~	
Number of this marriage	Х	Х	Х	
If previously married, how many ended by death? divorce?	-	X	X	
If previously married, last marriage ended by death, divorce, dissolution,				
or annulment.	-	-	-	
Date last marriage ended	-	-	-	
ccupation	Х	-	-	
usiness or industry	Х	-	-	
Decree information				
ate marriage was dissolved	х	Х	Х	
pe of decree (divorce, dissolution, or annulment)	-	X	X	
ate of entry	Х	X	X	
ate recordéd	-	-	-	
punty of decree	Х	Х	Х	
le of court	-	Х	Х	
le of court official	Х	Х	Х	
gnature of certifying court official	X	X	X	
le of certifying official	Х	Х	Х	
ate signed	_ X	×	-	
arty to whom decree granted	x	X	-	
gal grounds for decree	~	^	×	
titioner (checkboxes)	_	_	_	
	×	X	_	
orney for petitioner	-	-	Х	
Address	-	-	Х	
torney for plaintiff	-	Х	-	
Address	-	Х	-	
imber of children whose physical custody was awarded to: husband,				
wife, joint (husband/wife), other, or no children	-	-	-	
Other information				
ace of this marriage:				
State or foreign country	Х	Х	Х	
	x	X	X	
City	-	-	X	
City, town, or location	-	-	-	
ate of this marriage	Х	Х	Х	
ate couple separated	-	Х	Х	
ate couple last resided in same household	-	-	-	
umber of children ever born alive of this marriage	-	-	Х	
ving children in this family	-	X	-	
hildung sugar dan 40 in Ahin faunih.				
hildren under 18 in this family	Х	Х	Х	

NOTE: X Item included on standard certificate.

Item not included on standard certificate.

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