



American National Standard/
American Dental Association
Standard No. 1058

Forensic Dental Data Set

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AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION STANDARD NO. 1058 FOR FORENSIC DENTAL DATA SET

The Council on Dental Practice of the American Dental Association has approved American Dental Association Standard No. 1058 for Forensic Dental Data Set. Working Groups of the ADA Standards Committee on Dental Informatics (SCDI) formulate this and other specifications and technical reports for the application of information technology and other electronic technologies to dentistry's clinical and administrative operations. The ADA SCDI has representation from appropriate interests in the United States in the standardization of information technology and other electronic technologies used in dental practice. The standard was forwarded to the American National Standards Institute with a recommendation that the standard be approved as an American National Standard. Approval of ADA Standard No. 1058 as an American National Standard was granted by the American National Standards Institute on November 2, 2010.

This standard was prepared by SCDI Joint Working Group 10.12 on Forensic Odontology Informatics, a joint working group with Working Group 11.1 on Standard Clinical Data Architecture.

The ADA Standards Committee on Dental Informatics thanks the members of Joint Working Group 10.12 on Forensic Odontology Informatics and the organizations with which they were affiliated at the time the standard was developed, shown with the professional organization or interest group they represent:

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AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION STANDARD NO. 1058 FOR FORENSIC DENTAL DATA SET

FOREWORD

(This Foreword does not form a part of ANSI/ADA Standard No. 1058 for Forensic Dental Data Set).

In 1992, there was interest in the standardization of clinical information systems related to electronic technology in the dental environment. After evaluating current informatics activities, a Task Group of the ANSI Accredited Standards Committee MD156 (ASC MD156) was created by the ADA to initiate the development of technical reports, guidelines, and standards on electronic technologies used in dental practice. In 1999, the ADA established the ADA Standards Committee on Dental Informatics (SCDI). The ADA SCDI is currently the group that reviews and approves proposed American National Standards (ANSI approved) and technical reports developed by the standards committee's working groups. The ADA became an ANSI accredited standards organization in 2000.

The scope of the ADA SCDI is:

“To promote patient care and oral health through the application of information technology to dentistry's clinical and administrative operations; to develop standards, specifications, technical reports, and guidelines for: components of a computerized dental clinical workstation; electronic technologies used in dental practice; and interoperability standards for different software and hardware products which provide a seamless information exchange throughout all facets of healthcare.”

**AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION STANDARD NO. 1058 FOR
FORENSIC DENTAL DATA SET****1 PREFACE**

The establishment of a positive identification of unknown human remains or a living amnesiac by a Forensic Odontologist requires submission of supporting documentation from the dentist or dentists who treated the patient during life. This information (e.g., radiographs, charts, progress notes) may be submitted directly or through a clearinghouse. Although the vast majority of antemortem dental material and associated attachments are submitted on paper and on radiographic film, the ultimate goal is to create a standardized electronic format to transfer this data. Due to the varying methods of documentation and dental charting systems, and a lack of understanding of how a dental comparison for identification purposes is conducted, dentists frequently furnish insufficient supporting documentation. Submission of inadequate information due to a lack of standardization results in increased time required to establish the identification through dental means. It is also recognized that increased application of information technology standards and electronic transactions reduces the time required for data transfer and the costs associated with it, by providing a seamless information exchange. Errors and confusion regarding necessary data is to be avoided not only because of costs, but also in consideration of (Health Insurance Portability and Accountability Act of 1996) HIPAA Privacy regulations concerning any request by law enforcement authorities for identification purposes.

2 BACKGROUND

Current odontological comparison software is based on the concept of restoration comparison. Utilizing each tooth as a field, comparison and/or elimination queries and an advance sorting algorithms creates a ranking of possible matches to aid the Forensic Odontologist in the final records comparison. Supporting biometric and familial, radiograph and visual information support the likelihood of a match. By standardizing the descriptors used to code this information the likelihood of identifying human remains or a living amnesiac based on the Forensic Odontologists data increases.

3 RATIONALE

A great deal of information is gathered during the course of dental evaluation and treatment. Forensic Odontologists charged with the task of identifying unknown human remains or a living amnesiac require comprehensive information in order to prove or disprove identification. While much of the information gathered by the dentist may not aid in claims adjudication, it is not possible to predict in advance what item or items in the dental record might be conclusive in postmortem identification. Although no standard exists to establish documentation requirements for the submission of antemortem dental information for identification, this standard is designed to fill that void.

4 SCOPE

The purpose of this standard is to develop uniform nomenclature for the description of forensic dental data and define a standardized set of uniform terms to convey this information. The goal of the standard is not to define the extent of information collected, only to be certain that common terms are used in order to aid in an identifying human remains or a living amnesiac.

5 ELECTRONIC TRANSMISSION

This standard includes the technical details necessary for their transmission of forensic dental data in compliance with other recognized standards.

6 REQUIRED DOCUMENTATION

6.1 Forensic Dental Data Set

The Antemortem Forensic Dental Data Set should consist of 6 components:

- 1 Familial Data Set.
- 2 Dental History Data Set.
- 3 Tooth Data Set.
- 4 Mouth Data Set.
- 5 Visual Image Data Set.
- 6 Radiographic Image Data Set.

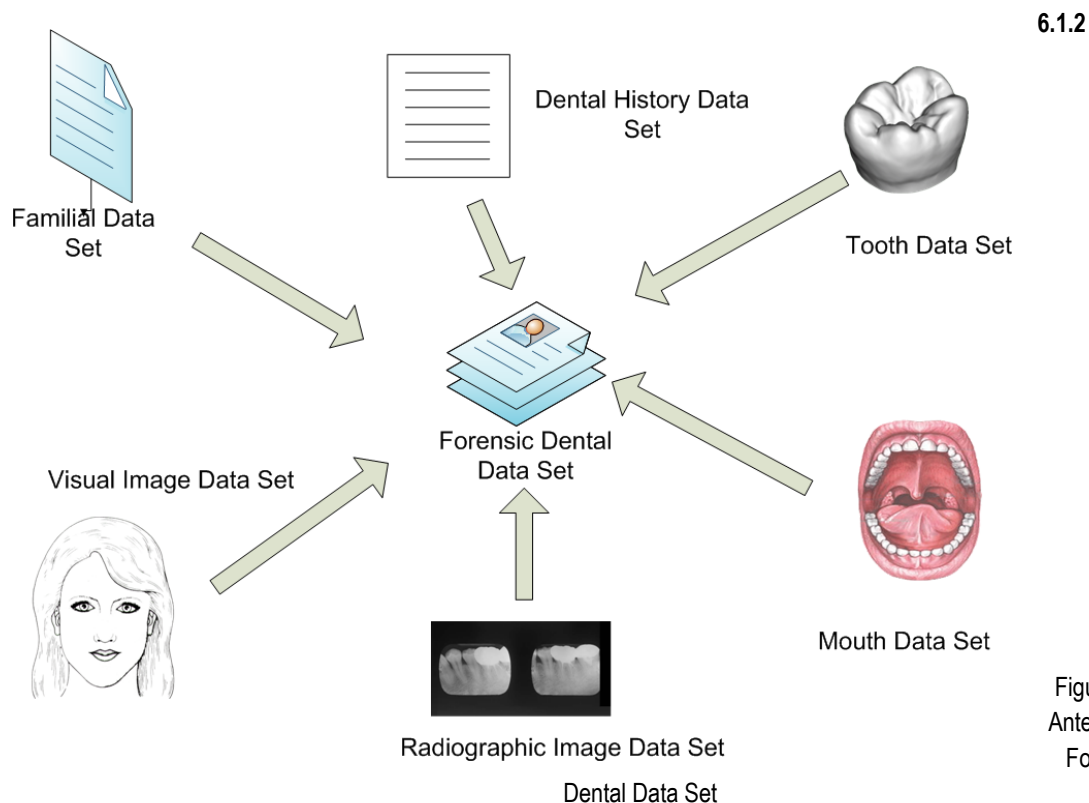


Figure 6- 1
Antemortem
Forensic

6.2 Postmortem Forensic Dental Data Set

The Postmortem Forensic Dental Data Set should consist of 4 components.

- 1 Tooth Data Set.
- 2 Mouth Data Set.
- 3 Visual Image Data Set.
- 4 Radiographic Image Data Set.

Each Data Set is designed to convey a standardized set of descriptors which may be utilized by the Forensic Odontologist with an unambiguous set of information which may be compared to antemortem dental data.

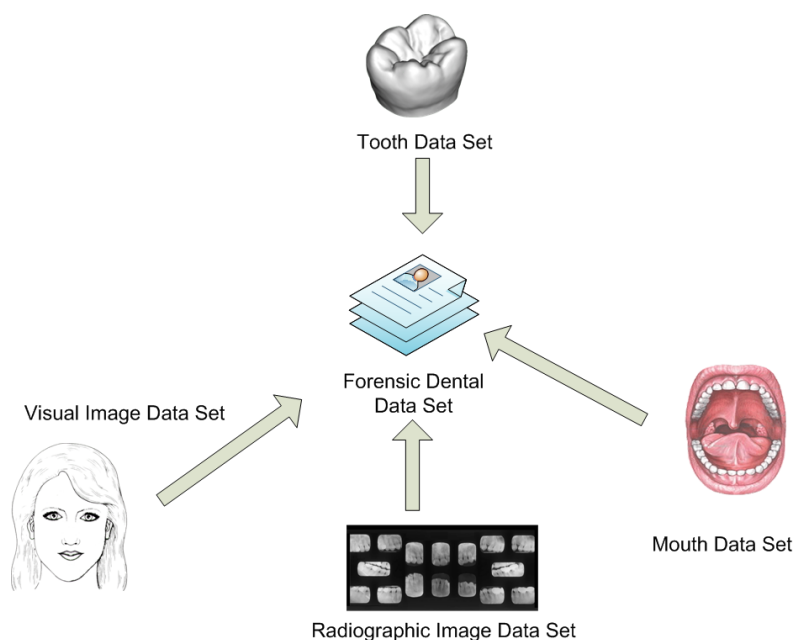


Figure 6- 2 Postmortem Forensic Dental Data Set

7

Familial Data Set

Purpose

The Familial Data Set Data set is only utilized for Antemortem Data. The purpose of this data set is to convey relevant antemortem demographic information. This dataset should include personal data, biometric measurement (height, weight, race etc.), social information and any other relevant familial information.

Descriptors

Where applicable, the following descriptors shall be utilized to describe Familial Data.

7.1

Personal Data

7.1.1

Last Name - This Descriptor should be used to describe the legal Last Name of the patient as it would appear on official (government) documents.

- 7.1.2 First Name** - This Descriptor should be used to describe the legal First Name of the patient as it would appear on official (government) documents.
- 7.1.3 Middle Name (optional)** - This Descriptor should be used to describe the legal middle name of the patient as it would appear on official (government) documents. If a legal middle name is unknown a middle initial may be substituted.
- 7.1.4 Maiden Last Name** - This Descriptor should be used to describe the legal birth name of the patient as it would appear on official (government) documents prior to any name changes.
- 7.1.5 Common First Name Alias ("Nickname")** - This Descriptor should be used to describe a preferential name the patient uses.
- 7.1.6 Other Alias** - This Descriptor should be used to describe other non-official First, Middle and/or Last Name used by the patient.
- 7.1.7 Sex**
- 7.1.7.1 Male** - This Descriptor should be used when the patient's legally recognized sex is known to be male.
- 7.1.7.2 Female** - This Descriptor should be used when the patient's legally recognized sex is known to be female.
- 7.1.7.3 Unknown** - This Descriptor should be used when the patient's legally recognized sex is not known.
- 7.1.8 Address** - This Descriptor should be used to describe the current legal address used by the patient.
- 7.1.8.1 Address Line 1** - This Descriptor should be used to describe the first line of the last current legal address used by the patient.
- 7.1.8.2 Address Line 2** - This Descriptor should be used to describe an optional second line of the last current legal address used by the patient.
- 7.1.8.3 Address Line 3** - This Descriptor should be used to describe an optional third line of the last current legal address used by the patient.
- 7.1.8.4 Address Line 4** - This Descriptor should be used to describe an optional fourth line of the last current legal address used by the patient.
- 7.1.8.5 City** - This Descriptor should be used to describe the name of the city of the last current legal address used by the patient.
- 7.1.8.6 State** - This Descriptor should be used to describe the name of the state of the last current legal address used by the patient.
- 7.1.8.7 Zip (Postal code)** - This Descriptor should be used to describe the postal (zip) code of the last current legal address used by the patient.
- 7.1.8.8 Country** - This Descriptor should be used to describe the name of the country of the last current legal address used by the patient.
- 7.1.9 Home Telephone Number** - This Descriptor should be used to describe the last known area code and home telephone number used by the patient. If the number is a non-U.S. number, the Country code shall be included.
- 7.1.10 Home Fax Number** - This Descriptor should be used to describe the last known area code and home fax number used by the patient. If the number is a non-U.S. number, the Country code shall be included.

- 7.1.11 Mobile Telephone Number** - This Descriptor should be used to describe the last known area code and mobile telephone number used by the patient. If the number is a non-U.S. number, the Country code shall be included.
- 7.1.12 Pager Number** - This Descriptor should be used to describe the last known area code and pager telephone number used by the patient. If the number is a non-U.S. number, the Country code shall be included.
- 7.1.13 Personal Email Address** - This Descriptor should be used to describe the last known email address used by the patient.
- 7.2 Occupation**
- 7.2.1 Employer Information (Multiple Iterations Allowed)** - This Descriptor should be used to describe the information of the last known employer of the patient.
- 7.2.1.1 Name** - This Descriptor should be used to describe the name of the last known employer of the patient.
- 7.2.1.2 Address** - This Descriptor should be used to describe the legal address of the last known employer of the patient.
- 7.2.1.2.1 Address Line 1** - This Descriptor should be used to describe the first line of the legal address of the last known employer of the patient.
- 7.2.1.2.2 Address Line 2** - This Descriptor should be used to describe the optional second line of the legal address of the last known employer of the patient.
- 7.2.1.2.3 Address Line 3** - This Descriptor should be used to describe the optional third line of the legal address of the last known employer of the patient.
- 7.2.1.2.4 Address Line 4** - This Descriptor should be used to describe the optional fourth line of the legal address of the last known employer of the patient.
- 7.2.1.2.5 City** - This Descriptor should be used to describe the name of the city of the legal address of the last known employer of the patient.
- 7.2.1.2.6 State** - This Descriptor should be used to describe the name of the state of the legal address of the last known employer of the patient.
- 7.2.1.2.7 Zip (Postal code)** - This Descriptor should be used to describe the postal (zip) code of the legal address of the last known employer of the patient.
- 7.2.1.2.8 Country** - This Descriptor should be used to describe the name of the country of the legal address of the last known employer of the patient.
- 7.2.1.3 Office Telephone Number** - This Descriptor should be used to describe the last known area code and office telephone number of the last known employer of the patient. If the number is a non-U.S. number, the Country code shall be included.
- 7.2.1.4 Office Fax Number** - This Descriptor should be used to describe the last known area code and office fax number of the last known employer of the patient. If the number is a non-U.S. number, the Country code shall be included.
- 7.2.1.5 Office Mobile Telephone Number** - This Descriptor should be used to describe the last known area code and mobile telephone number of the last known employer of the patient. If the number is a non-U.S. number, the Country code shall be included.

- 7.2.1.6 Office Pager Number** - This Descriptor should be used to describe the last known area code and pager telephone number of the last known employer of the patient. If the number is a non-U.S. number, the Country code shall be included.
- 7.2.1.7 Office Email Address** - This Descriptor should be used to describe the last known email address of the last known employer of the patient.
- 7.2.1.8 Employment Start Date** - This Descriptor should be used to describe the first date that the patient began their employment with the employer regardless of the type of employment status or continuity of employment.
- 7.2.1.9 Employment Completion Date** - This Descriptor should be used to describe the last date that the patient ended their employment with the employer regardless of the type of employment status or continuity of employment.
- 7.3 Dental Insurance Information (Multiple Iterations Allowed)**
- 7.3.1 Dental Insurance Carrier Information** - This Descriptor should be used to describe the information of any Dental Insurance Carrier of the patient.
- 7.3.1.1 Name** - This Descriptor should be used to describe the name of any Dental Insurance Carrier of the patient.
- 7.3.1.2 Address** - This Descriptor should be used to describe the legal address of any Dental Insurance Carrier of the patient.
- 7.3.1.2.1 Address Line 1** - This Descriptor should be used to describe the first line of the legal address of any Dental Insurance Carrier of the patient.
- 7.3.1.2.2 Address Line 2** - This Descriptor should be used to describe the optional second line of the legal address of any Dental Insurance Carrier of the patient.
- 7.3.1.2.3 Address Line 3** - This Descriptor should be used to describe the optional third line of the legal address of any Dental Insurance Carrier of the patient.
- 7.3.1.2.4 Address Line 4** - This Descriptor should be used to describe the optional fourth line of the legal address of any Dental Insurance Carrier of the patient.
- 7.3.1.2.5 City** - This Descriptor should be used to describe the name of the city of the legal address of any Dental Insurance Carrier of the patient.
- 7.3.1.2.6 State** - This Descriptor should be used to describe the name of the state of the legal address of any Dental Insurance Carrier of the patient.
- 7.3.1.2.7 Zip (Postal code)** - This Descriptor should be used to describe the postal (zip) code of the legal address of any Dental Insurance Carrier of the patient.
- 7.3.1.2.8 Country** - This Descriptor should be used to describe the name of the country of the legal address of any Dental Insurance Carrier of the patient.
- 7.3.1.3 Office Telephone Number** - This Descriptor should be used to describe the last known area code and office telephone number of any Dental Insurance Carrier of the patient. If the number is a non-U.S. number, the Country code shall be included.
- 7.3.1.4 Office Fax Number** - This Descriptor should be used to describe the last known area code and office fax number of any Dental Insurance Carrier of the patient. If the number is a non-U.S. number, the Country code shall be included.

- 7.3.1.5 Office Email Address** - This Descriptor should be used to describe the last known email address of any Dental Insurance Carrier of the patient.
- 7.3.1.6 National Plan Identifier** - This Descriptor should be used to describe the National Plan Identifier of the Insurance Carrier.
- 7.3.1.7 Patient Identification Number** - This Descriptor should be used to describe the Patient Identification Number used by the Dental Insurance Carrier of the patient.
- 7.3.1.8 Group Information** - This Descriptor should be used to describe the Group information used by the Dental Insurance Carrier of the patient.
- 7.3.1.8.1 Name** - This Descriptor should be used to describe the full name of the Group Information used by the Dental Insurance Carrier of the patient.
- 7.3.1.8.2 Address** - This Descriptor should be used to describe the legal address of the group used by the Dental Insurance Carrier of the patient.
- 7.3.1.8.2.1 Address Line 1** - This Descriptor should be used to describe the first line of the legal address of the group used by the Dental Insurance Carrier of the patient.
- 7.3.1.8.2.2 Address Line 2** - This Descriptor should be used to describe the optional second line of the legal address of the group used by the Dental Insurance Carrier of the patient.
- 7.3.1.8.2.3 Address Line 3** - This Descriptor should be used to describe the optional third line of the legal address of the group used by the Dental Insurance Carrier of the patient.
- 7.3.1.8.2.4 Address Line 4** - This Descriptor should be used to describe the optional fourth line of the legal address of the group used by the Dental Insurance Carrier of the patient.
- 7.3.1.8.2.5 City** - This Descriptor should be used to describe the name of the city of the legal address of Group used by the Dental Insurance Carrier of the patient.
- 7.3.1.8.2.6 State** - This Descriptor should be used to describe the name of the state of the legal address of the group used by the Dental Insurance Carrier of the patient.
- 7.3.1.8.2.7 Zip (Postal code)** - This Descriptor should be used to describe the postal (zip) code of the legal address of the group used by the Dental Insurance Carrier of the patient.
- 7.3.1.8.2.8 Country** - This Descriptor should be used to describe the name of the country of the legal address of the group used by the Dental Insurance Carrier of the patient.
- 7.3.1.8.3 Office Telephone Number** - This Descriptor should be used to describe the last known area code and office telephone number of the group used by the Dental Insurance Carrier of the patient. If the number is a non-U.S. number, the Country code shall be included.
- 7.3.1.8.4 Office Fax Number** - This Descriptor should be used to describe the last known area code and office fax number of the group used by the Dental Insurance Carrier of the patient. If the number is a non-U.S. number, the Country code shall be included.
- 7.3.1.8.5 Office Email Address** - This Descriptor should be used to describe the last known email address of the group used by the Dental Insurance Carrier of the patient.
- 7.3.1.8.6 Claims Information Available** - This Descriptor should be used to describe the status of claims submitted and/or paid by the Dental Insurance Carrier of the patient.

- 7.3.1.8.7 Date of Initial Coverage** - This Descriptor should be used to describe the date of initial coverage of the Dental Insurance Carrier of the patient.
- 7.3.1.8.8 Date of Termination of Coverage** - This Descriptor should be used to describe the date of termination of coverage of the Last Dental Insurance Carrier of the patient.
- 7.4 Social History**
- 7.4.1 Status** - This Descriptor should be used to describe the current marital status of the patient.
- 7.4.1.1 Current Status**
- 7.4.1.1.1 Single** - This Descriptor should be used to describe if the patient is legally single at this time.
- 7.4.1.1.2 Married** - This Descriptor should be used to describe if the patient is legally married at this time.
- 7.4.1.1.3 Domestic Partner** - This Descriptor should be used to describe if the patient has a legal Domestic Partner at this time.
- 7.4.1.1.4 Separated** - This Descriptor should be used to describe if the patient is legally separated or just living apart from their spouse.
- 7.4.1.1.5 Divorced** - This Descriptor should be used to describe if the patient is formally or legally divorced.
- 7.4.1.1.6 Widow(er)** - This Descriptor should be used to describe if the patient is a Widower or Widow.
- 7.4.1.1.7 Minor Emancipated** - This Descriptor should be used when the patient is an emancipated minor.
- 7.4.1.1.8 Minor with Guardian** - This Descriptor should be used when the patient is a minor with a non-parental guardian.
- 7.4.1.1.9 Other Marital Status (By Report)** - This Descriptor should be used when the patient's current status is not described in other descriptors.
- 7.4.2 Next of Kin/Guardian/Contact Information** - This Descriptor should be used to describe a person that has either a legal relationship with the Patient or may provide Familial information about the patient (Multiple Iterations Allowed)
- 7.4.2.1 Type of Relation**
- 7.4.2.1.1 Spouse** - This Descriptor should be used to describe a person that has the legal status of the patient's spouse.
- 7.4.2.1.1.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.2 Domestic Partner** - This Descriptor should be used to describe a person that has the legal status of the patient's registered Domestic Partner.
- 7.4.2.1.2.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.3 Former Spouse** - This Descriptor should be used to describe a person that has previously held the legal status of the patient's spouse.
- 7.4.2.1.3.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).

- 7.4.2.1.4** **Father** - This Descriptor should be used to describe a person that has the legal status of father as specified on the birth certificate of the patient.
- 7.4.2.1.4.1** **Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.5** **Mother** - This Descriptor should be used to describe a person that has the legal status of mother as specified on the birth certificate of the patient.
- 7.4.2.1.5.1** **Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.6** **Step-Father** - This Descriptor should be used to describe a person that has the current legal status of being the legally recognized husband of the patient's legally recognized mother by a subsequent marriage.
- 7.4.2.1.6.1** **Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.7** **Step-Mother** - This Descriptor should be used to describe a person that has the current legal status of being the legally recognized wife of the patient's legally recognized father by a subsequent marriage.
- 7.4.2.1.7.1** **Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.8** **Guardian** - This Descriptor should be used to describe a person that has the current legal responsibility for providing the care and management to the patient who is incapable, either due to age, physical, mental or emotional impairment to administering his or her own affairs
- 7.4.2.1.8.1** **Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.9** **Brother** - This Descriptor should be used to describe a male person that has the legal status of sharing the same legal father and legal mother of the patient.
- 7.4.2.1.9.1** **Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.10** **Sister** - This Descriptor should be used to describe a female person that has the legal status of sharing the same legal father and legal mother of the patient.
- 7.4.2.1.10.1** **Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.11** **Half-Brother** - This Descriptor should be used to describe a male person that has the legal status of sharing the same legal father or legal mother of the patient.
- 7.4.2.1.11.1** **Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.12** **Half-Sister** - This Descriptor should be used to describe a female person that has the legal status of sharing the same legal father or legal mother of the patient.
- 7.4.2.1.12.1** **Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.13** **Son** - This Descriptor should be used to describe a legally recognized male offspring of the patient.

- 7.4.2.1.13.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.14 Daughter** - This Descriptor should be used to describe a legally recognized female offspring of the patient.
- 7.4.2.1.14.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.15 Step-Son** - This Descriptor should be used to describe a legally recognized male who was the legally recognized offspring of the patient's spouse but is not the legally recognized offspring of the patient.
- 7.4.2.1.15.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.16 Step-Daughter** - This Descriptor should be used to describe a legally recognized female who was the legally recognized offspring of the patient's spouse but is not the legally recognized offspring of the patient.
- 7.4.2.1.16.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.17 Aunt** - This Descriptor should be used to describe a legally recognized female who is the legally recognized sister of the patient's legally recognized father or mother.
- 7.4.2.1.17.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.18 Uncle** - This Descriptor should be used to describe a legally recognized male who is the legally recognized brother of the patient's legally recognized father or mother.
- 7.4.2.1.18.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.19 Cousin** - This Descriptor should be used to describe a legally recognized male or female who is the legally recognized offspring or has direct kinship to an offspring of a brother or sister of the patient's legally recognized father or mother.
- 7.4.2.1.19.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.20 Niece** - This Descriptor should be used to describe a female who is the legally recognized daughter of a brother or sister of the patient or the patient's legally recognized spouse.
- 7.4.2.1.20.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.21 Nephew** - This Descriptor should be used to describe a male who is the legally recognized daughter of a brother or sister of the patient or the patient's legally recognized spouse.
- 7.4.2.1.21.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.22 Friend** - This Descriptor should be used to describe a person that has detailed relationship with the patient but has no known legal relationship with the patient.
- 7.4.2.1.22.1 Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).

- 7.4.2.1.23** **Executor of the Will** - This Descriptor should be used to describe a person who is the Executor of the Will of the deceased patient.
- 7.4.2.1.23.1** **Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.24** **Durable Power of Attorney** - This Descriptor should be used to describe a person who holds the Durable Power of Attorney for the patient.
- 7.4.2.1.24.1** **Clarification** - This Descriptor should be used if it is necessary to clarify the relationship with the patient (OPTIONAL).
- 7.4.2.1.25** **Other Relationship (By Report)** - This Descriptor should be used to describe a person that does not fit into any of the other categories but has some specific relationship with the patient. This category may include an institutional or government agency or other secondary source of information.
- 7.4.2.1.25.1** **Clarification** - This Descriptor should be used to clarify the relationship with the patient (REQUIRED).
- 7.4.2.1.26** **Unknown** - This Descriptor should be used to describe an unknown source of contact information.
- 7.4.2.1.26.1** **Clarification** - This Descriptor should be used to clarify the relationship with the patient (REQUIRED).
- 7.4.2.1.27** **Sex of Next of Kin/Guardian/Contact**
- 7.4.2.1.28** **Male** - This Descriptor should be used when the next of kin/guardian/contact's sex is known to be male.
- 7.4.2.1.29** **Female** - This Descriptor should be used when the next of kin/guardian/contact's sex is known to be female.
- 7.4.2.1.30** **Unknown** - This Descriptor should be used when the next of kin/guardian/contact's sex is not known.
- 7.4.2.2** **Name of Patient's Next of Kin/Guardian/Contact** - This Descriptor should be used to describe the full name of the patient's next of kin/guardian/contact.
- 7.4.2.2.1** **Last Name** - This Descriptor should be used to describe the legal Last Name of the patient as it would appear on official (government) documents.
- 7.4.2.2.2** **First Name** - This Descriptor should be used to describe the legal First Name of the patient as it would appear on official (government) documents.
- 7.4.2.2.3** **Middle Name** - This Descriptor should be used to describe the legal middle name of the patient as it would appear on official (government) documents. If a legal middle name is unknown a middle initial may be substituted.
- 7.4.2.2.4** **Maiden Last Name** - This Descriptor should be used to describe the legal birth name of the patient as it would appear on official (government) documents prior to any name changes.
- 7.4.2.2.5** **Common First Name Alias ("Nickname")** - This Descriptor should be used to describe a preferential name the patient uses.
- 7.4.2.2.6** **Other Alias (By Report)** - This Descriptor should be used to describe other non-official First, Middle and/or Last Name used by the patient.
- 7.4.2.3** **Address of Patient's Next of Kin/Guardian/Contact** - This Descriptor should be used to describe the legal address of the patient's next of kin/guardian/contact.
- 7.4.2.3.1** **Address Line 1** - This Descriptor should be used to describe the first line of the legal address of the patient's next of kin/guardian/contact.

- 7.4.2.3.2 Address Line 2** - This Descriptor should be used to describe the optional second line of the legal address of the patient's next of kin/guardian/contact.
- 7.4.2.3.3 Address Line 3** - This Descriptor should be used to describe the optional third line of the legal address of the patient's next of kin/guardian/contact.
- 7.4.2.3.4 Address Line 4** - This Descriptor should be used to describe the optional fourth line of the legal address of the patient's next of kin/guardian/contact.
- 7.4.2.3.5 City** - This Descriptor should be used to describe the name of the city of the legal address of the patient's next of kin/guardian/contact.
- 7.4.2.3.6 State** - This Descriptor should be used to describe the name of the state of the legal address of the patient's next of kin/guardian/contact.
- 7.4.2.3.7 Zip (Postal code)** - This Descriptor should be used to describe the postal (zip) code of the legal address of the patient's next of kin/guardian/contact.
- 7.4.2.3.8 Country** - This Descriptor should be used to describe the name of the country of the legal address of the patient's next of kin/guardian/contact.
- 7.4.2.4 Home Telephone Number** - This Descriptor should be used to describe the last known area code and home telephone number of the patient's next of kin/guardian/contact. If the number is a non-U.S. number, the Country code shall be included.
- 7.4.2.5 Home Fax Number** - This Descriptor should be used to describe the last known area code and home fax number of the patient's next of kin/guardian/contact. If the number is a non-U.S. number, the Country code shall be included.
- 7.4.2.6 Office Telephone Number** - This Descriptor should be used to describe the last known area code and office telephone number of the patient's next of kin/guardian/contact. If the number is a non-U.S. number, the Country code shall be included.
- 7.4.2.7 Mobile Telephone Number** - This Descriptor should be used to describe the last known area code and mobile telephone number used by the patient's next of kin/guardian/contact. If the number is a non-U.S. number, the Country code shall be included.
- 7.4.2.8 Pager Number** - This Descriptor should be used to describe the last known area code and pager telephone number used by the patient's next of kin/guardian/contact. If the number is a non-U.S. number, the Country code shall be included.
- 7.4.2.9 Personal Email Address** - This Descriptor should be used to describe the last known email address used by the patient's next of kin/guardian/contact.
- 7.5 Biometric Information**
- 7.5.1 Type**
- 7.5.1.1 Dental Study Model Information**
- 7.5.1.1.1 Type of Model** - This Descriptor should be used to describe the type of model that was fabricated from a dental arch impression.
- 7.5.1.1.1.1 Maxillary Arch model only** - This Descriptor should be used when only a maxillary model was fabricated from a dental arch impression

- 7.5.1.1.1.2 Mandibular Arch model only** - This Descriptor should be used when only a mandibular model was fabricated from a dental arch impression
- 7.5.1.1.1.3 Maxillary and Mandibular arch models** - This Descriptor should be used when maxillary and mandibular models were fabricated from dental arch impressions.
- 7.5.1.1.1.4 Date of Impression** - This Descriptor should be used to describe the date that the impression for the dental model was taken.
- 7.5.1.2 Tooth Imprints**
- 7.5.1.2.1 Type of Imprint Information** - This Descriptor should be used to describe the type of Imprint Information obtained.
- 7.5.1.3 Date of Impression** - This Descriptor should be used to describe the date that the impression for the dental model was taken.
- 7.5.1.4 DNA Sequencing (Buccal Swab) Sample** - This Descriptor should be used if DNA sequencing information is available.
- 7.5.1.4.1 Type of DNA Sequencing Information** - This Descriptor should be used to describe the type of DNA sequencing information which was sampled. If available the storage media should be included.
- 7.5.1.4.2 Date of DNA Sampling** - This Descriptor should be used to describe the date that the DNA sequencing information was taken.
- 7.5.1.4.3 Other Biometric Information (By Report)** - This Descriptor should be used to describe biometric information not described by other descriptors.
- 7.5.2 Status of the Biometric Information** - This Descriptor should be used to describe the availability of the model.
- 7.5.2.1 Available** - This Descriptor should be used when the biometrical information is available.
- 7.5.2.1.1 Name of Person Where Biometrical information is stored** - This Descriptor should be used to describe the name of the person where the model(s) are currently is stored.
- 7.5.2.1.2 Address Where Biometrical information is stored** - This Descriptor should be used to describe the legal address of the practice where the impression was made.
- 7.5.2.1.2.1 Address Line 1** - This Descriptor should be used to describe the first line of the legal address of the practice where the impression was made.
- 7.5.2.1.2.2 Address Line 2** - This Descriptor should be used to describe the optional second line of the legal address of the practice where the impression was made.
- 7.5.2.1.2.3 Address Line 3** - This Descriptor should be used to describe the optional third line of the legal address of the practice where the impression was made.
- 7.5.2.1.2.4 Address Line 4** - This Descriptor should be used to describe the optional fourth line of the legal address of the practice where the impression was made.
- 7.5.2.1.2.5 City** - This Descriptor should be used to describe the name of the city of the legal address of the practice where the impression was made.
- 7.5.2.1.2.6 State** - This Descriptor should be used to describe the name of the state of the legal address of the practice where the impression was made.

- 7.5.2.1.2.7 Zip (Postal code)** - This Descriptor should be used to describe the postal (zip) code of the legal address of the practice where the impression was made.
- 7.5.2.1.2.8 Country** - This Descriptor should be used to describe the name of the country of the legal address of the practice where the impression was made.
- 7.5.2.1.3 Office Telephone Number** - This Descriptor should be used to describe the last known area code and office telephone number of the practice where the impression was made. If the number is a non-U.S. number, the Country code shall be included.
- 7.5.2.1.4 Office Fax Number** - This Descriptor should be used to describe the last known area code and office fax number of the practice where the impression was made. If the number is a non-U.S. number, the Country code shall be included.
- 7.5.2.1.5 Office Mobile Telephone Number** - This Descriptor should be used to describe the last known area code and mobile telephone number of the practice where the impression was made. If the number is a non-U.S. number, the Country code shall be included.
- 7.5.2.1.6 Office Pager Number** - This Descriptor should be used to describe the last known area code and pager telephone number of the practice where the impression was made. If the number is a non-U.S. number, the Country code shall be included.
- 7.5.2.1.7 Office Email Address** - This Descriptor should be used to describe the last known email address of the practice where the impression was made.
- 7.5.2.1.8 Name of Dentist who took Biometrical information (Multiple Iterations of Dentist in Same Practice Allowed)**
- 7.5.2.1.9 Address who took Biometrical information** - This Descriptor should be used to describe the legal address of the provider who took Biometrical information.
- 7.5.2.1.9.1 Address Line 1** - This Descriptor should be used to describe the first line of the legal address of the practice where the impression was made.
- 7.5.2.1.9.2 Address Line 2** - This Descriptor should be used to describe the optional second line of the legal address of the practice where the impression was made.
- 7.5.2.1.9.3 Address Line 3** - This Descriptor should be used to describe the optional third line of the legal address of the practice where the impression was made.
- 7.5.2.1.9.4 Address Line 4** - This Descriptor should be used to describe the optional fourth line of the legal address of the practice where the impression was made.
- 7.5.2.1.9.5 City** - This Descriptor should be used to describe the name of the city of the legal address of the practice where the impression was made.
- 7.5.2.1.9.6 State** - This Descriptor should be used to describe the name of the state of the legal address of the practice where the impression was made.
- 7.5.2.1.9.7 Zip (Postal code)** - This Descriptor should be used to describe the postal (zip) code of the legal address of the practice where the impression was made.
- 7.5.2.1.9.8 Country** - This Descriptor should be used to describe the name of the country of the legal address of the practice where the impression was made.

- 7.5.2.1.10 Office Telephone Number** - This Descriptor should be used to describe the last known area code and office telephone number of the practice where the impression was made. If the number is a non-U.S. number, the Country code shall be included.
- 7.5.2.1.11 Office Fax Number** - This Descriptor should be used to describe the last known area code and office fax number of the practice where the impression was made. If the number is a non-U.S. number, the Country code shall be included.
- 7.5.2.1.12 Office Mobile Telephone Number** - This Descriptor should be used to describe the last known area code and mobile telephone number of the practice where the impression was made. If the number is a non-U.S. number, the Country code shall be included.
- 7.5.2.2 Unavailable** - This Descriptor should be used when the biometrical information is unavailable.
- 7.5.2.3 Unknown** - This Descriptor should be used when the status of the model(s) is unknown.

8 Dental History Data Set

Purpose

The Dental History Data Set is only utilized for Antemortem Data. The purpose of this data set is to obtain a relevant dental history. This should include previous dentist information as well as relevant financial information that may aid in identifying unknown human remains or a living amnesiac. This information may be obtained at multiple times from multiple sources.

Descriptors

Where applicable, the following descriptors shall be utilized to describe dental history data.

- 8.1 Dentist Information (Multiple Iterations Allowed)**
- 8.1.1 Name of Practice** - This Descriptor should be used to describe the full name of the practice where the patient was treated.
- 8.1.2 National Provider Identifier Number of Practice (optional)** - This Descriptor should be used to describe the National Provider Identifier Number of the practice where the patient was treated.
- 8.1.3 Name of the Treating Dentist (Multiple Iterations of Dentist in the Same Practice Allowed)**
- 8.1.3.1 Last Name** - This Descriptor should be used to describe the Last Name of the practice where the patient was treated.
- 8.1.3.2 First Name** - This Descriptor should be used to describe the First Name of the practice where the patient was treated.
- 8.1.3.3 Middle Name (optional)** - This Descriptor should be used to describe the middle name of the practice where the patient was treated.
- 8.1.3.4 Degree** - This Descriptor should be used to describe the Dental degree of the practice where the patient was treated.
- 8.1.3.5 National Provider Identifier Number of Dentist** - This Descriptor should be used to describe the National Provider Identifier Number of the Dentist that treated the patient.
- 8.1.3.6 Address**
- 8.1.3.6.1 Address Line 1** - This Descriptor should be used to describe the first line of the legal address of the practice where the patient was treated.