Identifier—type of biometric identifier used, code N[N]

Exported from METEOR (AIHW's Metadata Online Registry)

Identifier—type of biometric identifier used, code N[N]

Identifying and definitional attributes

Metadata item type:	Data Element
Short name:	Type of biometric identifier used
METEOR identifier:	529502
Registration status:	Health!, Standard 05/10/2016
Definition:	The type of biometric capture device used to record the unique biological characteristics of an individual in order to identify a person, as represented by a code.
Data Element Concept:	Identifier—type of biometric identifier used
Value Domain:	Type of biometric identifier code N[N]

Value domain attributes

Representational attributes

Representation class:	Code	
Data type:	Number	
Format:	N[N]	
Maximum character length:	2	
	Value	**Meaning**
Permissible values:	1	Fingerprint (rolled)
	2	Fingerprint (flat)
	3	Facial features identification
	4	Voice recognition
	5	Iris scanning
	6	Retinal scanning
	7	Hand geometry
	8	Signature dynamics
	9	Keystroke dynamics
	10	Lip movement
	11	Thermal face image
	12	Thermal hand image
	13	Gait
	14	Blood type
	15	DNA
	88	Other biometric identifier

Collection and usage attributes

Guide for use:	CODE 1 Fingerprint (rolled)
	Records the unique skin pattern of a finger or fingers. Created by rolling each

individual finger. Rolled fingerprints generally have sufficient ridge details to allow classification in almost all cases. Rolled fingerprints provide a great deal of information allowing for highly accurate searches. This process requires identification of the digit(s) to which the image relates.

CODE 2 Fingerprint (flat)

Also known as plain fingerprints. Records the unique skin pattern of a finger or fingers. These prints are more difficult to classify than rolled fingerprints and often provide a lower quality image than the rolled fingerprint. This process requires identification of the digit(s) to which the image relates.

CODE 3 Facial features identification

Records the shape of the face, determined by distances between the eyes, ears and nose and other facial characteristics.

CODE 4 Voice recognition

Operates by recording a specific set of words and the method by which an individual says those words. It considers both pitch variations and timing.

CODE 5 Iris scanning

Records more than 200 traits of a person's iris. It functions whether or not the person is wearing glasses or contact lenses.

CODE 6 Retinal scanning

Records the structure of a person's retina.

CODE 7 Hand geometry

Records the size and shape of the hand and fingers. Hand geometry evaluates a three dimensional image of the four fingers and part of the hand for comparison. This process requires identification of the hand to which the image relates.

CODE 8 Signature dynamics

Records the shape and style of a signature and the speed and pressure used in the creation of the image.

CODE 9 Keystroke dynamics

Records the rhythmic elements of keystroke entry.

CODE 10 Lip movement

Records the movement elements of different parts of the mouth and surrounding structures when specific words or sentences are said.

CODE 11 Thermal face image

Records heat patterns in the face.

CODE 12 Thermal hand image

Records heat patterns in the hand.

CODE 13 Gait

Records a wide range of elements in the body movement when walking or running.

CODE 14 Blood type

Records both the blood type and the Rhesus factor of the blood. This is not a unique identifier but it serves as a suitable additional identifier in health care.

CODE 15 DNA

Records the unique pattern of deoxyribonucleic acid (DNA) for an individual.

Source and reference attributes

Submitting organisation: Australian Institute of Health and Welfare

Reference documents: Standards Australia 2014. AS 4846:2014 Person and provider identification in healthcare. Sydney: Standards Australia.

Data element attributes

Source and reference attributes

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Relational attributes

Implementation in Data Set Specifications: Biometric identifiers cluster
Health!, Standard 05/10/2016
Conditional obligation: The use of this data element is conditional upon a 'yes' response to the data element Person—biometric identifier used indicator, yes/no code N.
DSS specific information: More than one type of biometric identifier can be recorded.