

S7 Table. Key terms needed in the pseudonymization and anonymization process

Terms	Definition	Examples
Unique Identifier Information	Information assigned to uniquely distinguish an individual.	Social Security Number, Passport Number, Driver's License Number, Alien Registration Number.
Sensitive Information	Personal information that significantly infringes upon the privacy of the subject.	Information on beliefs or convictions, union or political party membership status, political opinions, health, sexual life, etc.
Identifying Information	Information created for the purpose of external linkage (identification).	Unique identifiers, name, telephone number, email address, medical record number, health insurance number, vehicle registration number, etc.
Identifiable Information	Information that allows the handler of the pseudonymized information to recognize an individual.	Gender, age, nationality, blood type, height, weight, occupation, location information, etc.
Attribute Information	Information only held by personal information processors. Difficult to use to identify specific individuals when combined with other information by those other than the personal information processors.	Number of visits by medical specialty, types of prescribed medication, medical expenses, frequency of hospital visits, incidence of diseases, etc.
Identifier (Direct Identifier)	Information that can identify an individual or their family members by itself.	Name, photograph, social security number, telephone number, email address, IP address, vehicle license plate information, etc.
Personal Details	Basic personal information.	Name, gender, social security number, address, educational background, military service, family relations, etc.
Attribute Value (Indirect Identifier)	Information that can identify an individual by combining various attribute values.	Date of birth, date of death, marriage anniversary, occupation, gender, credit rating, address, postal code, etc.
Personal Identification Information	Information that can identify individuals such as research subjects, and donors of embryos, oocytes, sperm, or other human-derived materials (hereafter referred to as "subjects, etc.>").	Name, social security number, etc.
Genetic Information	Information about an individual's genetic characteristics obtained by analyzing human-derived materials.	Individual genetic testing information, information on family history of diseases or disability indicators, etc.