

**S9 Table.** Special protection elements

**Special Protection Elements**

- Certain health information requires consent for use, regardless of penalties to the individual responsible for re-identification, due to the significant impact on the data subject's human rights and privacy. Such information includes:

- Mental health disorder data
- Information on sexually transmitted diseases as defined by Article 2, Section 10 of the Infectious Disease Prevention Act
- HIV/AIDS data
- Rare disease data as defined by Article 2, Section 1 of the Rare Disease Management Act
- Information related to abuse and abortion (based on the disease classification codes T74, O04, and other medical assessments)

- When the necessity for pseudonymized data to be used for research or similar purposes is recognized, it can only be utilized after obtaining approval by reporting the reasons and plans for additional protective measures to safeguard human rights.

\* (Example) Use within an original data processor's analytical space

※ Details on processing objectives, processors, research methods, and special protective measures must be disclosed publicly, such as on websites.

AIDS, acquired immune deficiency syndrome; HIV, human immunodeficiency virus.