

Quiz: *Are You Still With Me?*

Takumi Information Technology

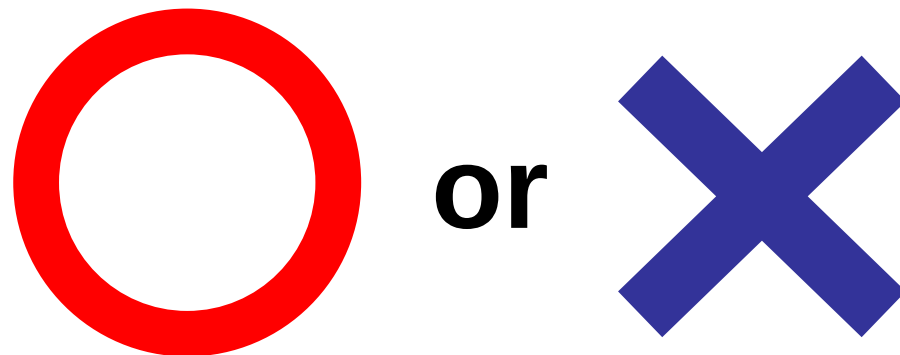
Maiko Akutagawa

What's “Direct Identifier”? –level1



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Is it compulsory to remove or pseudonymize any direct identifier?

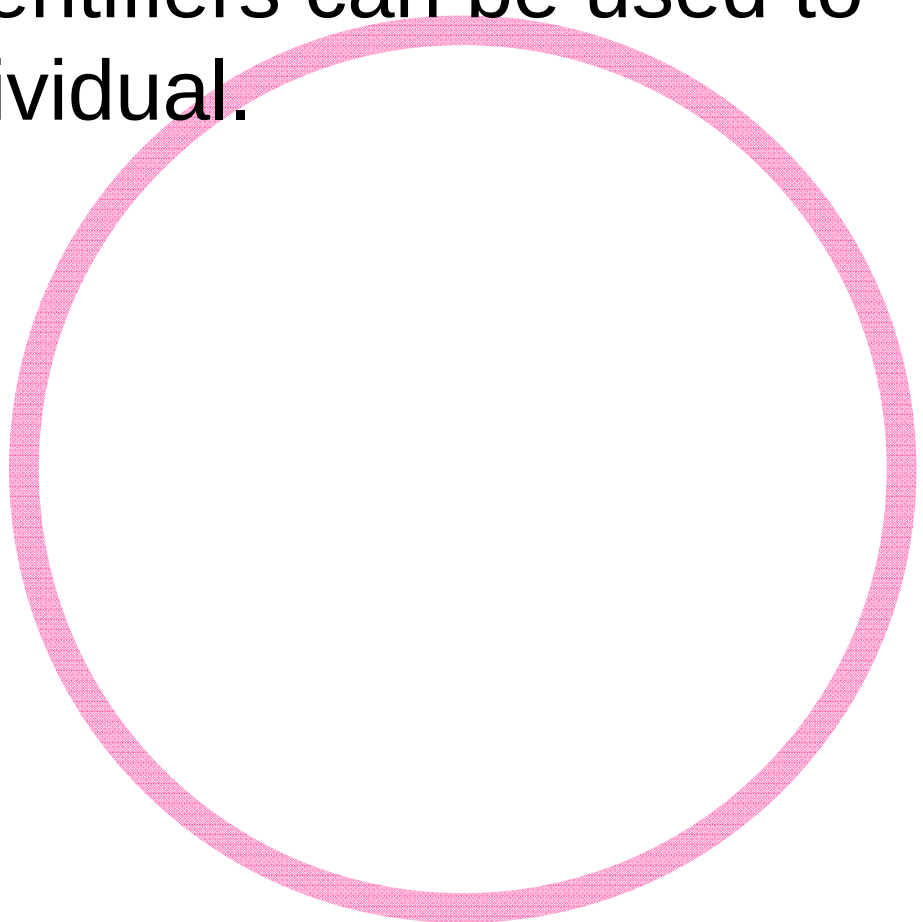


Explanation for “Direct Identifier” –level1



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Because, One direct identifiers can be used to uniquely identify an individual.



What's "Direct Identifier"? –level2



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Which is the thing as defined in Direct Identifier?

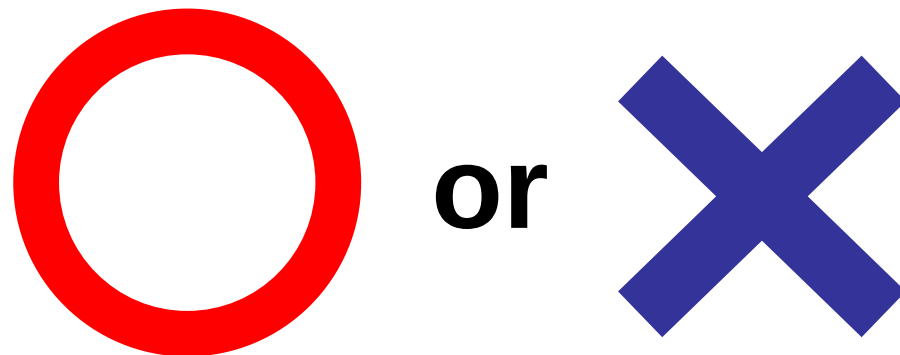
- A** Subject ID
- B** Sex
- C** measurements

What's "Sensitive Data"? -level1



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Can we identify an individual by a Sensitive Data?

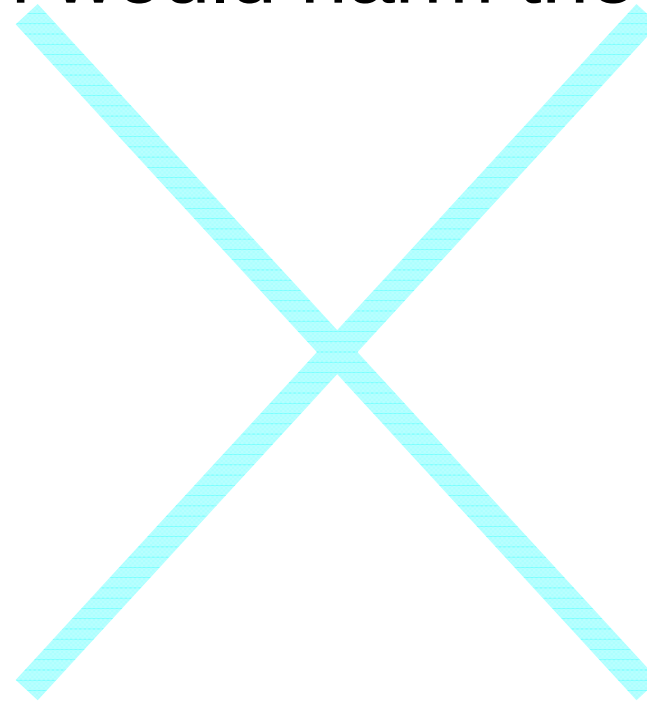


Explanation for “Sensitive Data” –level1



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Sensitive Data is that any data that in case of breach and re-identification would harm the patient.



What's "Sensitive Data"? –level2



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Which is the thing is not defined by Sensitive Data?

- A History of alcoholism**
- B BMI at baseline**
- C drug abuse**

Explanation for “Sensitive Data” –level2



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It is that “harm the patient” in terms of employability, reputation, insurability, self-esteem or results in loss of income.

BMI at baseline are defined as Quasi Identifier.

... it's can be Sensitive Data for someone.

None or

B

What's “Quasi Identifier”?



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Identifier is classified into 2 levels that Information that is likely to change over time or not likely to change.

Which is the thing as defined in Quasi Identifier Level1 in variables of next SDTM?

- A TRT(Name of Treatment)**
- B STRESC
(Result or Finding in Standard Format)**
- C COUNTRY(Country)**

Explanation for “Quasi Identifier”



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Quasi identifiers are background information that can be used in connection with other information to identify an individual with a high probability.



Explanation for “Quasi Identifier”



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Level1

Information that is not likely to change over time, be visible and available in other sources.

Typically Demographic information.

E.g. Sex, Age at baseline, Country, BMI, etc.

Level2

Longitudinal information that is likely to change over time.

E.g. Measurements, Events, etc.

Explanation for “Quasi Identifier”



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So, C)COUNTRY(Country) is defined as Quasi Identifier Level 1.

A)TRT(Name of Treatment) is defined as Direct Identifier .

B)STRESC(Result or Finding in Standard Format) is defined as Quasi Identifier Level 2.



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Are You Still With Me?

本日はこのセッションまで、匿名化に関する概念や定義についてご紹介して来ました。

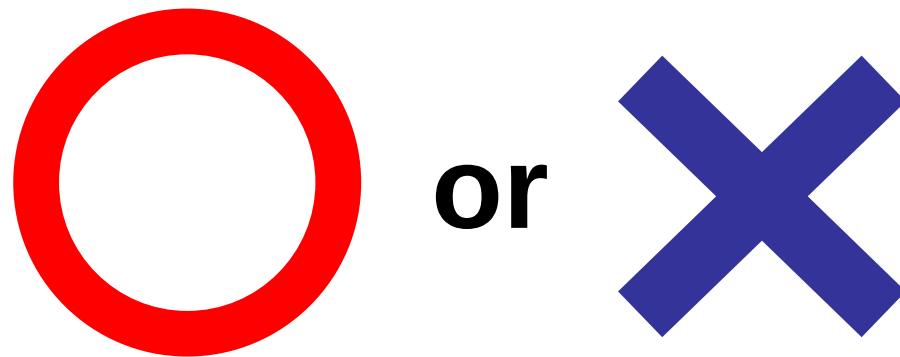
ここで、クイズ形式で皆さんにご参加頂きながら、その概念や定義を整理して行きたいと思います。

What's "Direct Identifier"? -level1



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Direct Identifierは、強制的に除くか偽データにすべきである？



Explanation for “Direct Identifier” –level1



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Direct Identifierは、ひとつで個人が特定できてしまうため、強制的に除くか偽データ化する必要がある。

What's “Direct Identifier”? –level2



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Direct Identifierに定義されるものはどれでしょう
か？

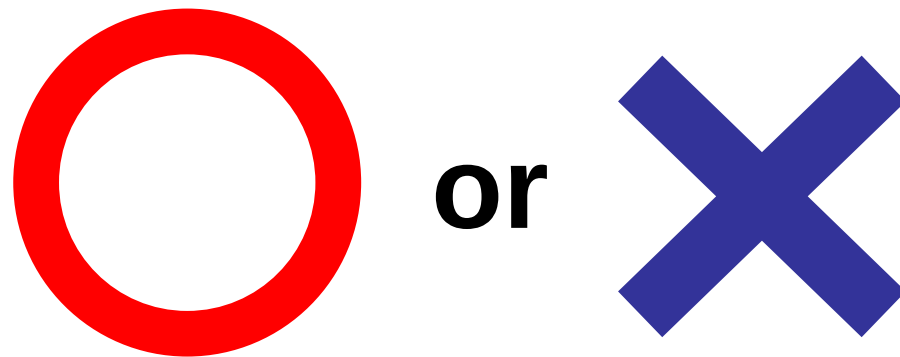
- A** 症例番号
- B** 性別
- C** 測定値

What's "Sensitive Data"? -level1



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Sensitive Dataとは、個人が特定できる情報のことである？

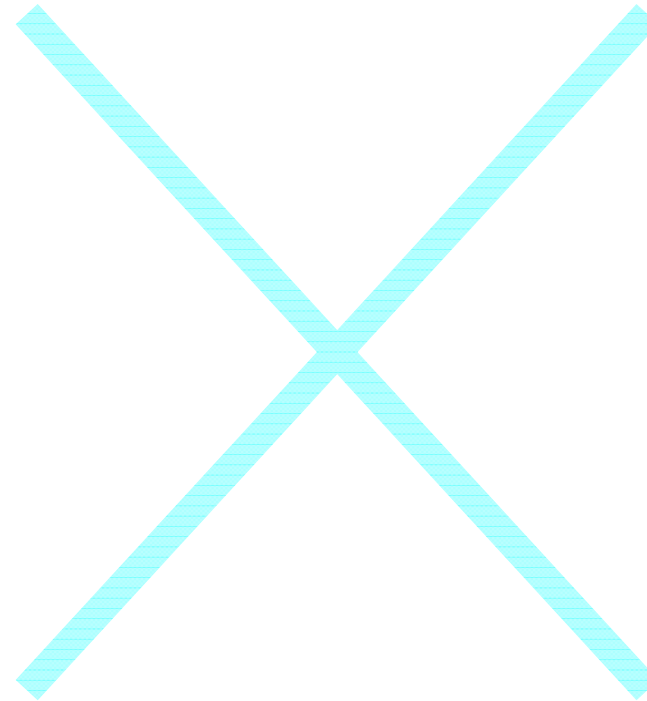


Explanation for “Sensitive Data” –level1



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Sensitive Dataとは、再特定化で傷つけられる可能性があるデータのこと



What's “Sensitive Data”? –level2



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Sensitive Dataに定義されないものはどれでしょう
か？

- A アルコール依存症の既往**
- B ベースライン時のBMI**
- C 薬物乱用の履歴**

Explanation for “Sensitive Data” –level2



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傷つけられる可能性とは、その結果、被験者の雇用され得る能力、評判、保険加入に影響するものを指す。

ベースライン時のBMIはQuasi Identifierに区分される。（一部の人にとって、Sensitive Dataかもしれません）

None or

B

What's “Quasi Identifier”?



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Quasi Identifierの中で、時間が経つと変わるか変わらないかを基準に、2レベルに分けて定義しています。次のSDTMの変数の中で、Level1に定義されるものはどれでしょうか。

- A TRT(Name of Treatment)**
- B STRESC
(Result or Finding in Standard Format)**
- C COUNTRY(Country)**

Explanation for “Quasi Identifier”



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Quasi Identifierは、他の情報と関連付けることで高い確率で個人を特定できる背景情報である。



Explanation for “Quasi Identifier”



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Level1

時間がたっても変わらないもの、他のソースで可視化、利用化できるもの。代表的なのは人口統計学的情報

例：性別、ベースライン時の年齢、国、BMIなど

Level2

長期にわたる変化を扱った情報、時間がたって変わしやすいもの

例：測定値、イベントなど



C)COUNTRY(Country)がQuasi Identifier Level 1に定義される。

A)TRT(Name of Treatment)は、Direct Identifier、
B)STRESC(Result or Finding in Standard Format)はQuasi Identifier Level 2に定義される。