

The triangular relationship between data subject, holder and user

Europe fit for the digital age

Data

Digital

AI

Cyber

GDPR

Data
Governance
Act

Data Act

Data
Spaces

Digital
Services
Act

Digital
Markets
Act

Act on
AI

AI
Liability
Directive

Revised
Product
Liability
At

Cyber-
security
Act

NIS 2
Directive

Cyber
Resilien
ce Act

Progress in:

- Technical measures that enhance privacy, such as federated learning
- Data custodianship versus data ownership
- Lawfulness of secondary use



CORRESPONDENCE

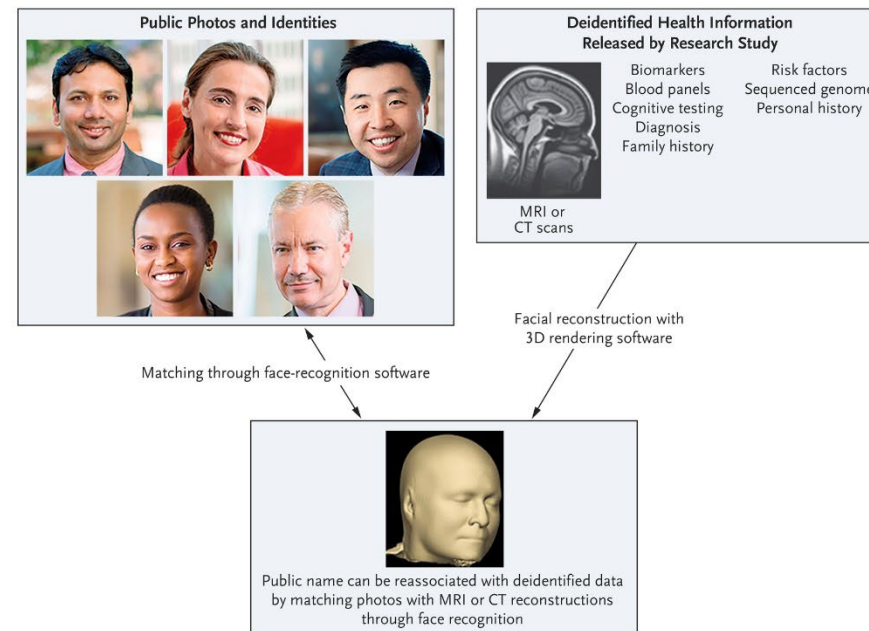


Identification of Anonymous MRI Research Participants with Face-Recognition Software

TO THE EDITOR: Public sharing of research data is being widely promoted. Medical image files contain “metadata” such as the name of the participant, the date of the scan, and the identification number. Such data are typically removed (deidentified) before data sharing, but images of the face in magnetic resonance imaging (MRI)

MRI scans, we recruited 84 volunteers between the ages of 34 and 89 years, stratified according to sex and decade of age, and photographed each participant’s face from five slightly varying angles. Each participant had undergone MRI of the head (three-dimensional fluid-attenuated inversion recovery [FLAIR] sequence, conducted

A



B



See: C. Schwarz e.a., “Identification of Anonymous MRI Research Participants with Face-Recognition Software, NEJM, 2019, 1684-1689.

SHE REALLY LIKED THAT SHIRT —

Masked arsonist might've gotten away with it if she hadn't left Etsy review

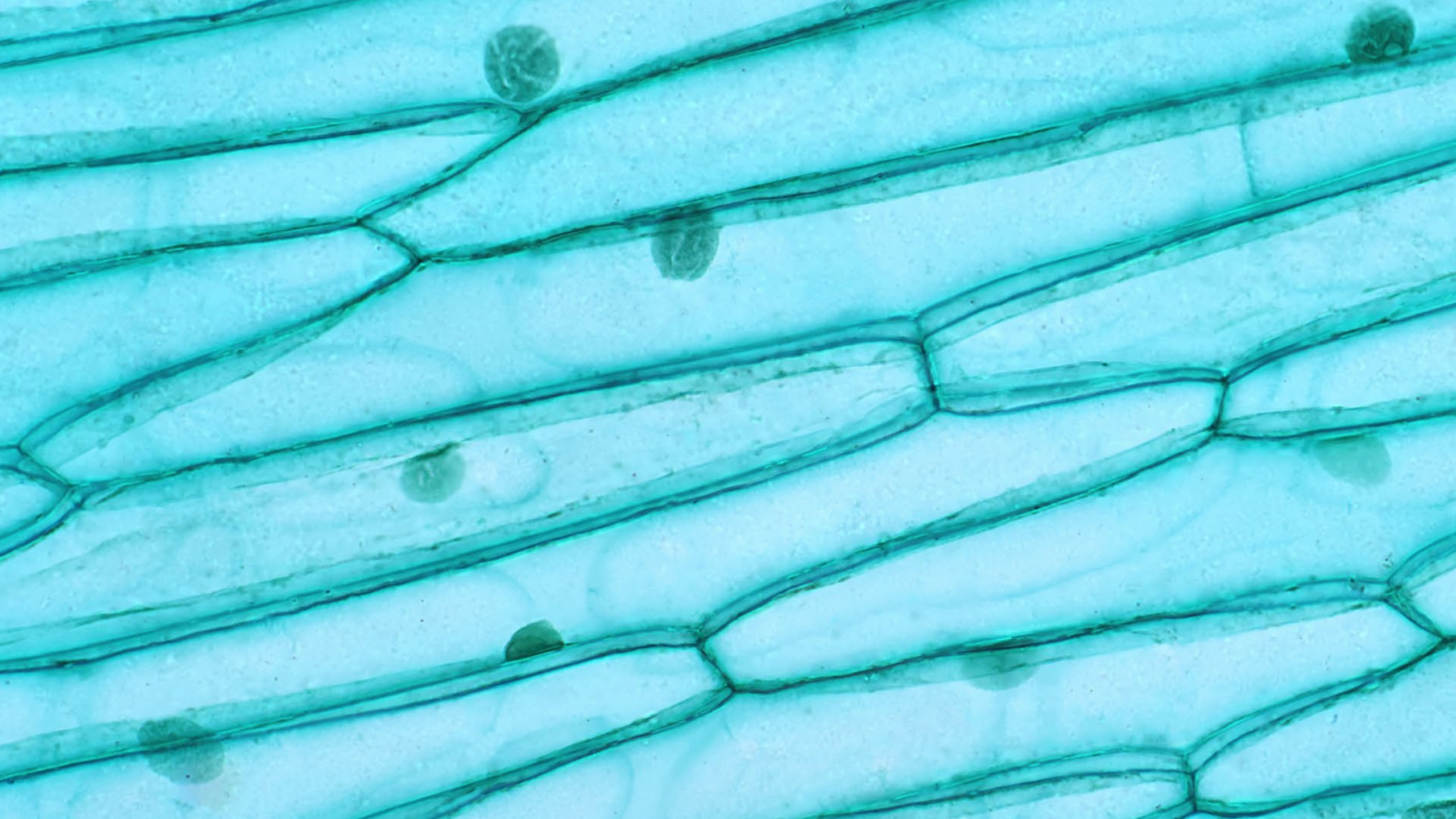
Woman who burned two police cars IDed by tattoo and Etsy review of her T-shirt.

JON BRODKIN - 6/18/2020, 6:48 PM



FBI

[Enlarge](#) / Instagram photo of a masked woman, identified by the FBI as Lore-Elisabeth Blumenthal, on May 30, 2020 in Philadelphia.



Anonymisation



Two key questions:

- Keeping in mind the multitude of “very simple experiments”* that show the ease of identification in all sorts of datasets, how can I show in all probability that the data subjects are not re-identifiable?
- In that assessment, should I or should I not take into account information that is available only after performing illegal actions?

Advantages

- Security and confidentiality of individual level data ↑
- Risk for misuse of individual level data ↓
- No need for complicated Data *Transfer* Agreements*

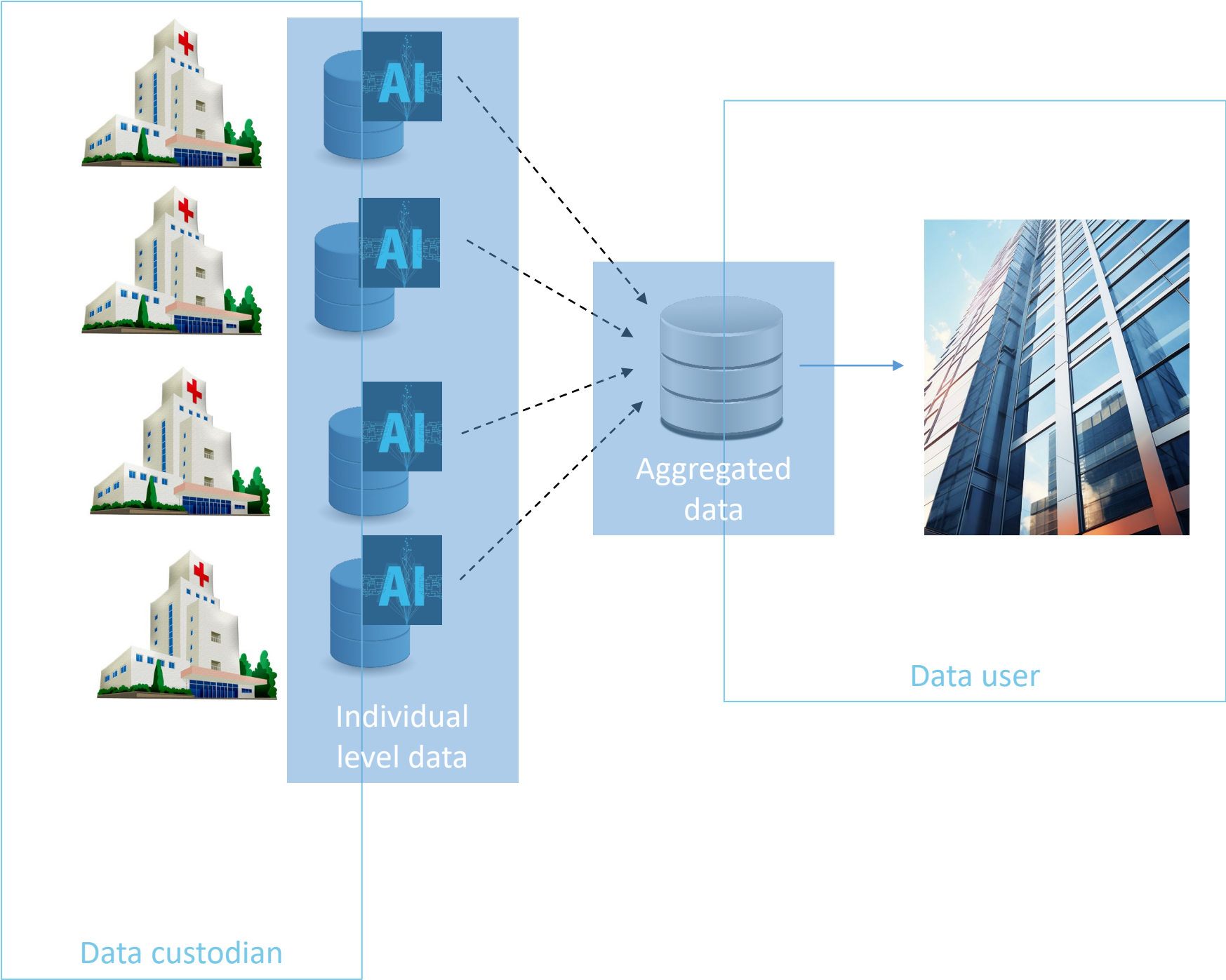
But data are processed for a secondary purpose.

Data are collected, analysed, stored... = data processing operations

=> **Consequently:**

- All GDPR principles apply to the secondary processing
- Data subject's rights have to be respected
- Roles and responsibilities have to be determined

**Unless the data transferred to the central node should be considered personal data*





Data subjects



Data custodian

No patients... no data
No doctor, lab technician, nurse,...
no added knowledge or inferred
interpretations.

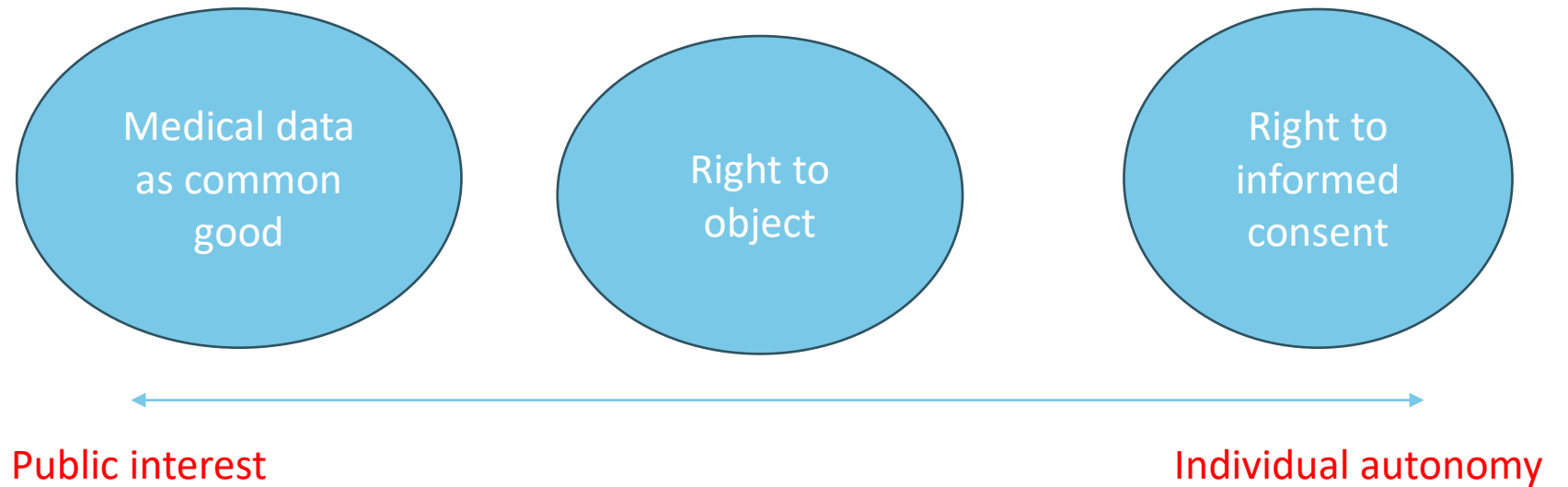
Legally data “ownership” would
imply the right to solely decide
about who can have, hold,
destroy,... the data.

European / Belgian legal
framework does not recognise
data ownership. It confirms rights
and obligations for several parties.

Medical data save lives, not only yours.



Data subjects



Legal footnote:

Article 5 and 6 GDPR: requirement for legal basis, not necessarily informed consent

Article 9 GDPR: requirement for exemption to general prohibition, not necessarily informed consent unless Union or MS law foresees in IC as an additional safeguard.

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