Organisation A (Data Controller)

PID Dataset A → Pseudonymisation Process (removing IDs) → Pseudo Dataset A

Organisation B (Data Controller)

Pseudo Dataset B → Pseudonymisation Process (removing IDs) → PID Dataset B

Organisation C (Data Processor, only handles pseudonymised data)

Pseudo Datasets A+B Linked → Analysis/Linkage Process → Extracted Digests of interest

Organisation A (Data Controller)

PID Dataset A → Pseudonymisation Process (keeping IDs) → Pseudo Dataset A + IDs → Find digest matches → Identified subset of PI Dataset A

Notes:
PID = Patient Identifiable Data in Red
Orgs A and B use the same encrypted salt in the pseudonymisation process