

# Personal Demographic Service (Personuppgiftstjänsten)

*including support for  
temporary identities and contact  
information*

|

|



**The motives behind a national  
Personal Demographic Service**

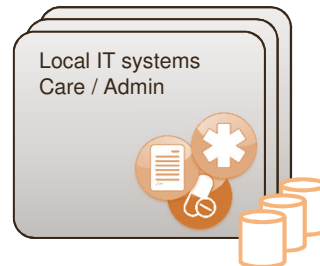
# Islands of personal data and contact information



*Do you remember your temporary identity?*

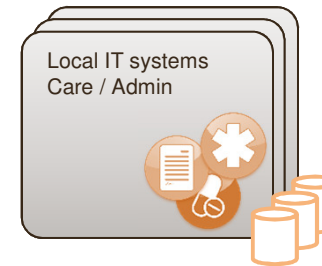
*And how can we contact you? We have various information here...*

## **County council, health care**



*Personal data  
Contact information  
Local temporary identities*

## **Municipalities, health care**



*Personal data  
Contact information  
Local temporary identities*

## **National services for health care**

### **Profession**



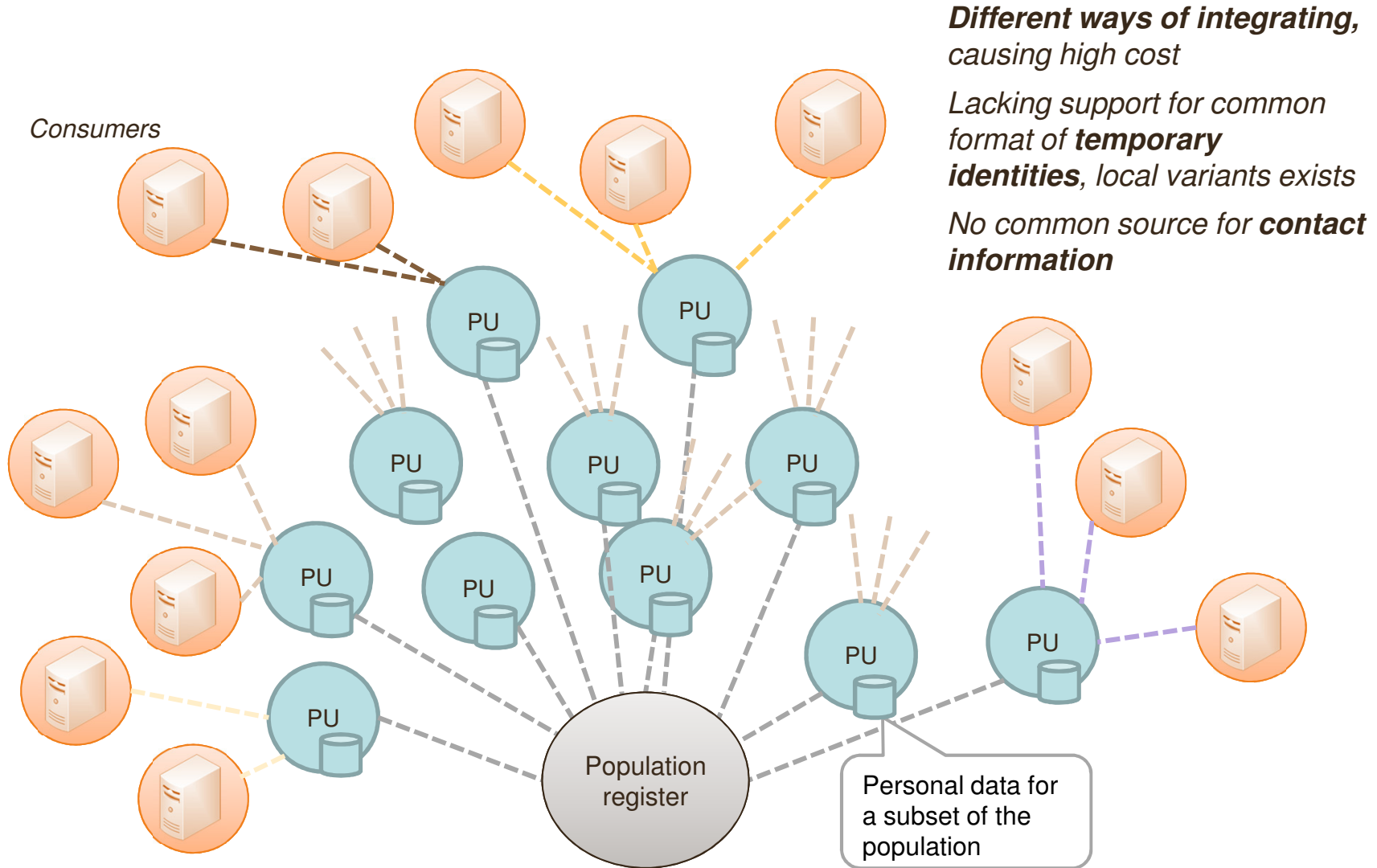
*Personal data  
Contact information*

### **Citizens/Patients**

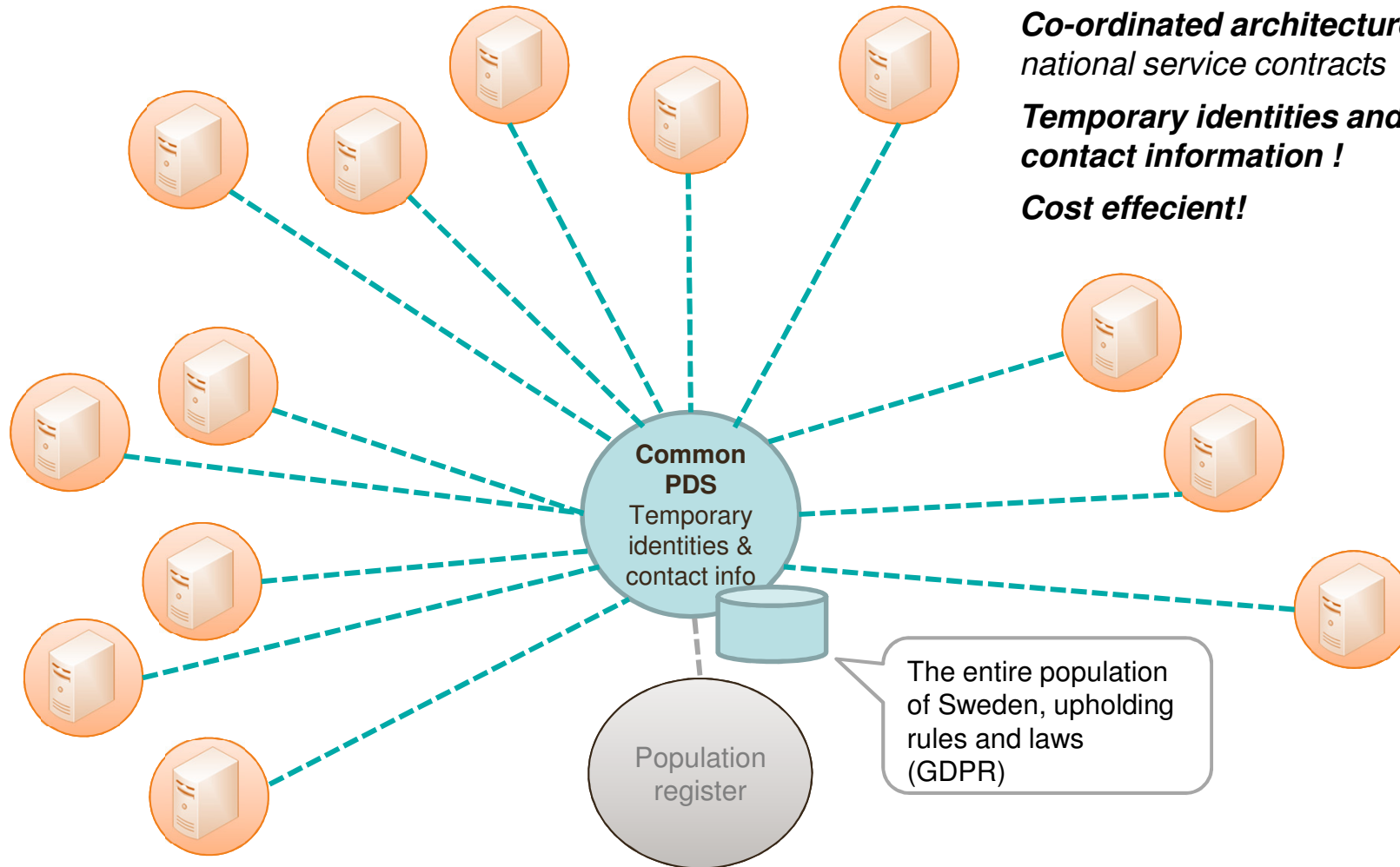


*Personal data  
Contact information  
Personal data  
Contact information*

# Multiple services doing the same thing



# Our goal!



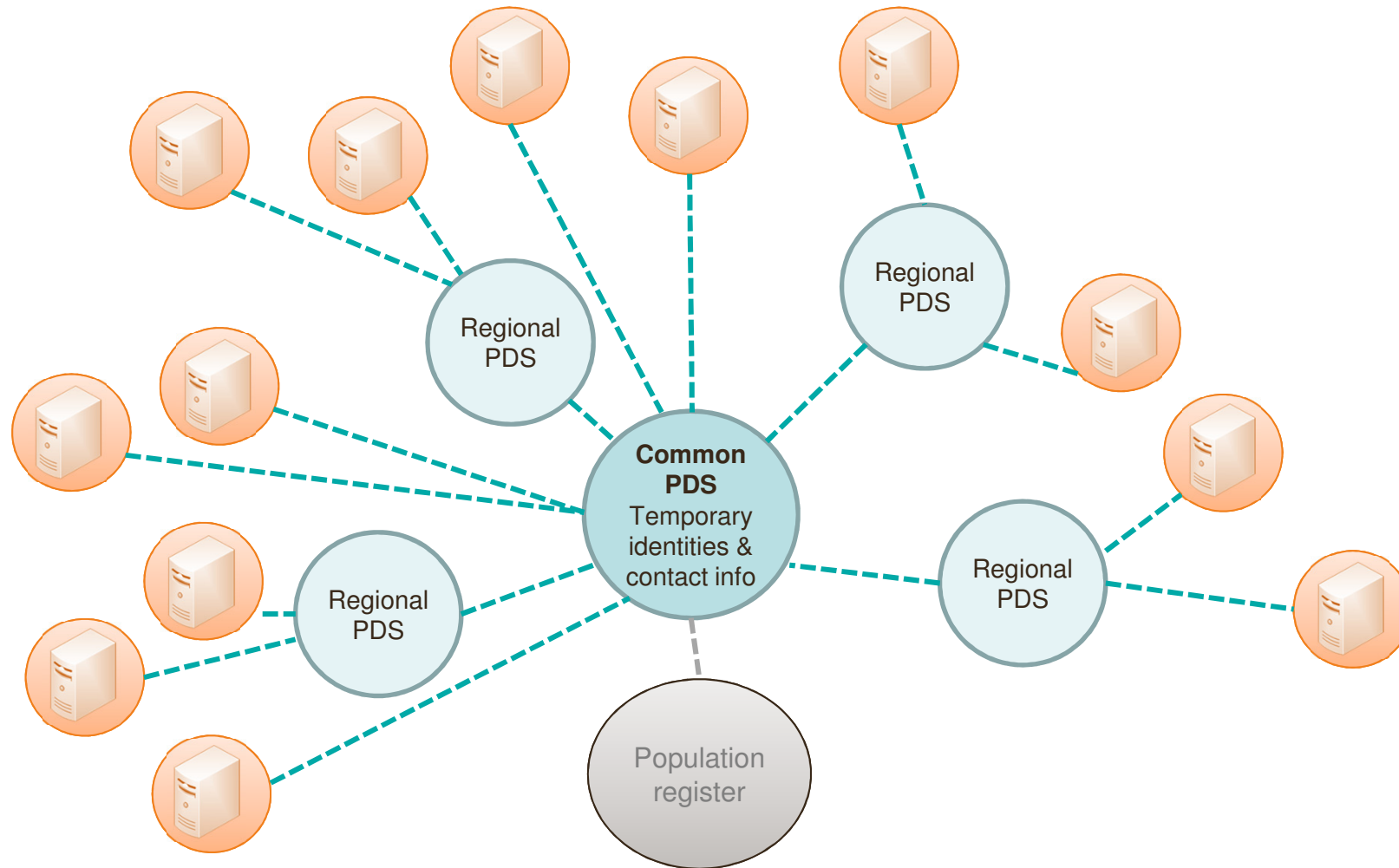
**Common source for everything!**

**Co-ordinated architecture with national service contracts**

**Temporary identities and contact information !**

**Cost efficient!**

# Migration in intermediate steps



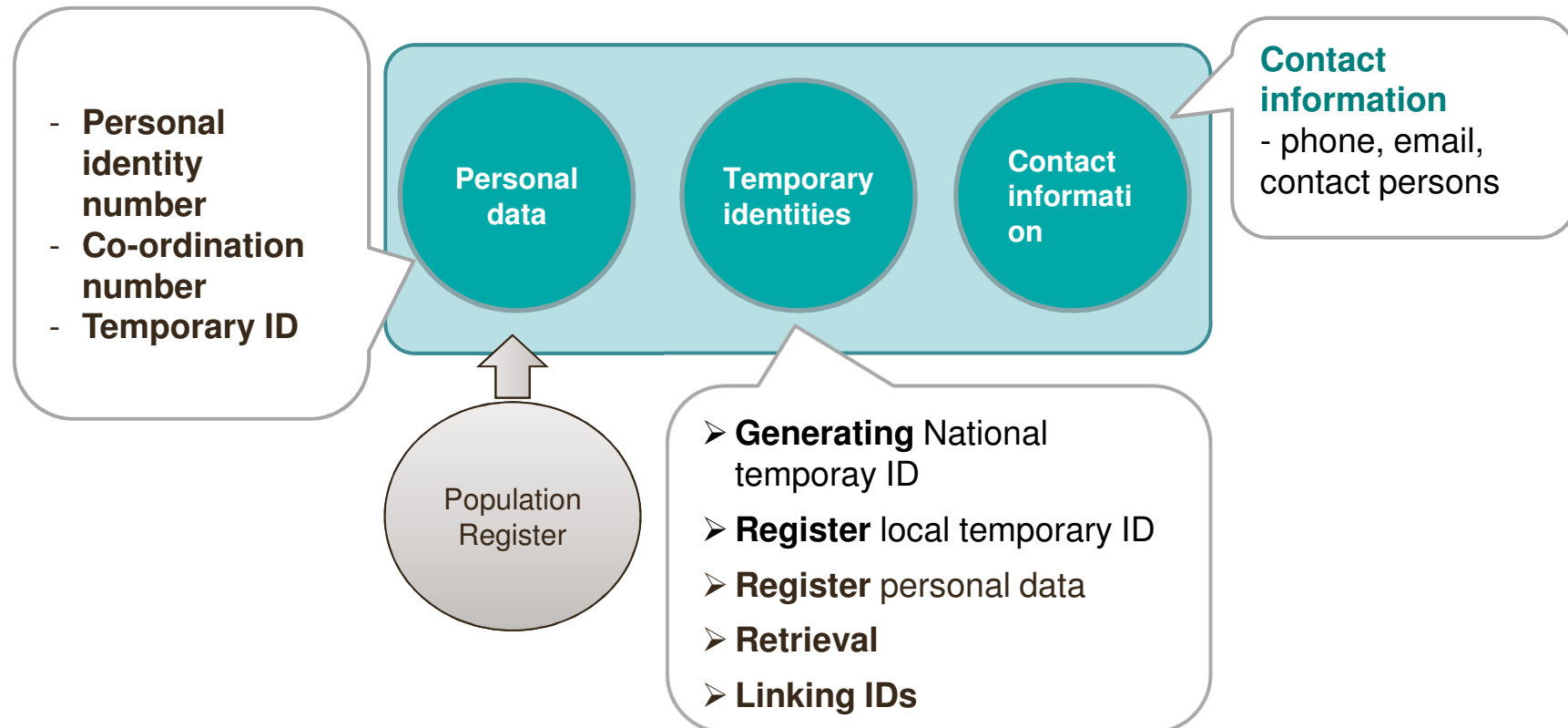
# The architecture of the Personal Demographic Service



# A cohesive source for all personal data

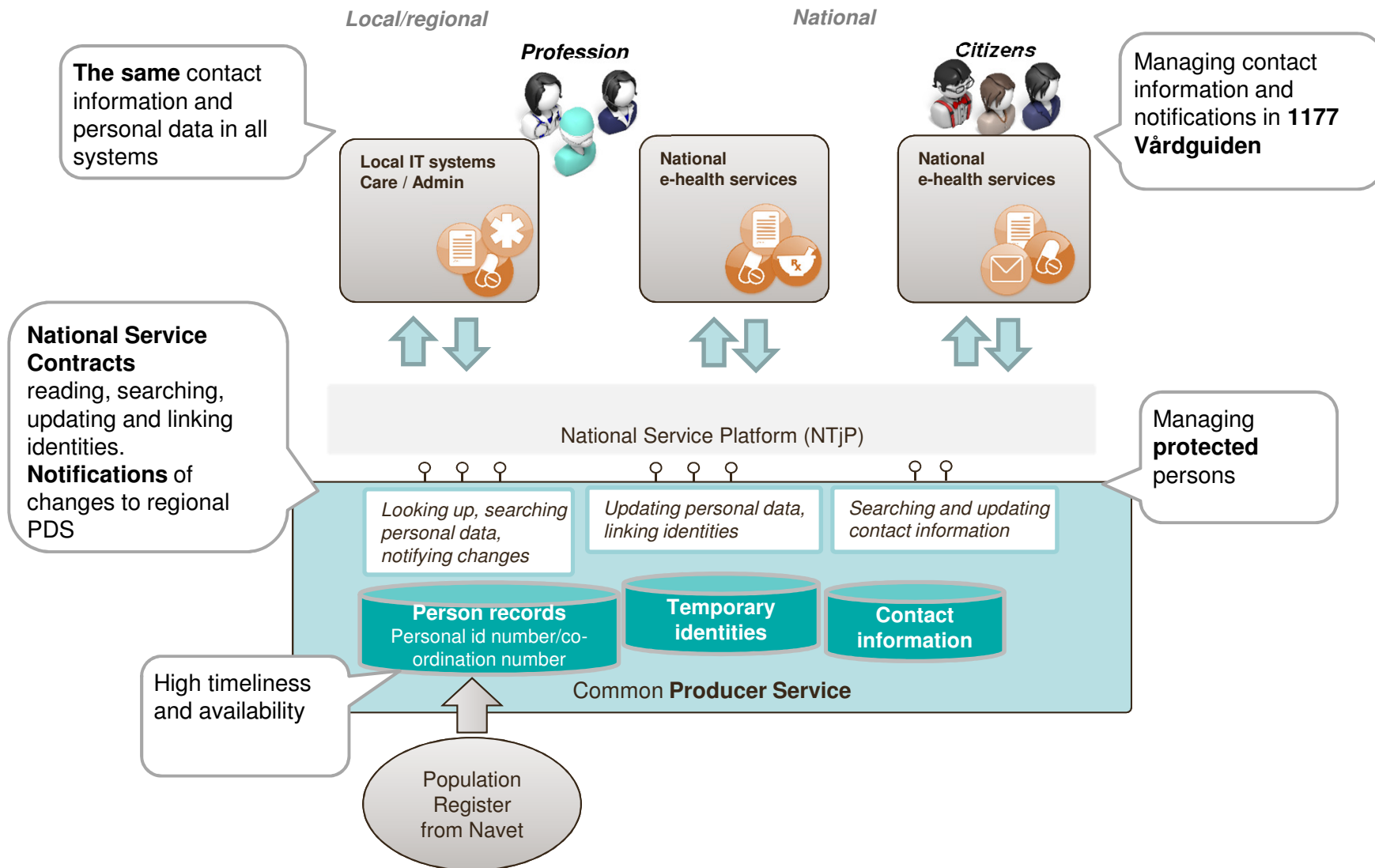
Using international patterns for patient data

- *IHE PIX, Master Patient Index, HL7 FHIR Patient Resource*





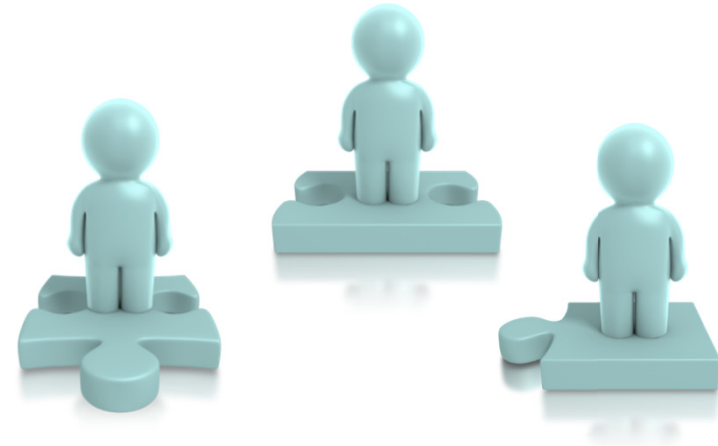
# Collaborative IT architecture



# National Temporary ID for patients in health care



## The absence of a national temporary ID solution creates islands of information

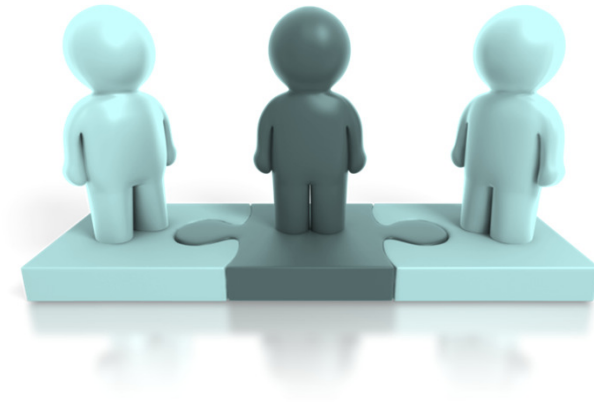


### Current temporary identities

- Works **poorly when collaborating!**
  - **Cannot** be used in inter-regional or national solutions
  - **Lacks uniform format and handling**
  - **Information retrieval** at revisits is difficult
- Leads to **risks** for patients and **inequalities** in health care!

## National temporary ID

- ✓ **Common identification information**  
Identifying and registering locally,  
national use is possible!
- ✓ Supports **searching** for an individual  
and **retriving all medical records**
- ✓ Patient information through **regional**  
and **national services** for all patients
- ✓ Adaptation of the national IT  
infrastructure



## National temporary ID, how?

### Globally unique personal identities

- *Identity domain* + identity string  
System-system communication.



### Common format – *National temporary ID*

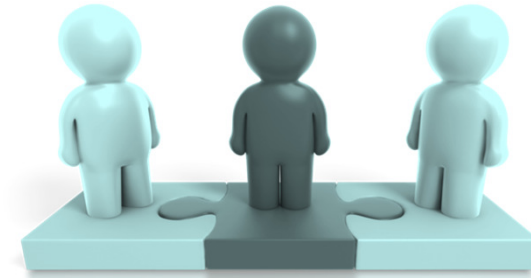
- **Generating** och **collaborating** - national, regional, communicating with laboratory systems, etc.
- **High capacity** – one format for the entire nation
- Information about gender and birthdate is retrieved from the **Personal Demographic Service** – codifying in the identity itself is possible

**Support for local temporary identities**, for local needs, making intermediate migration possible

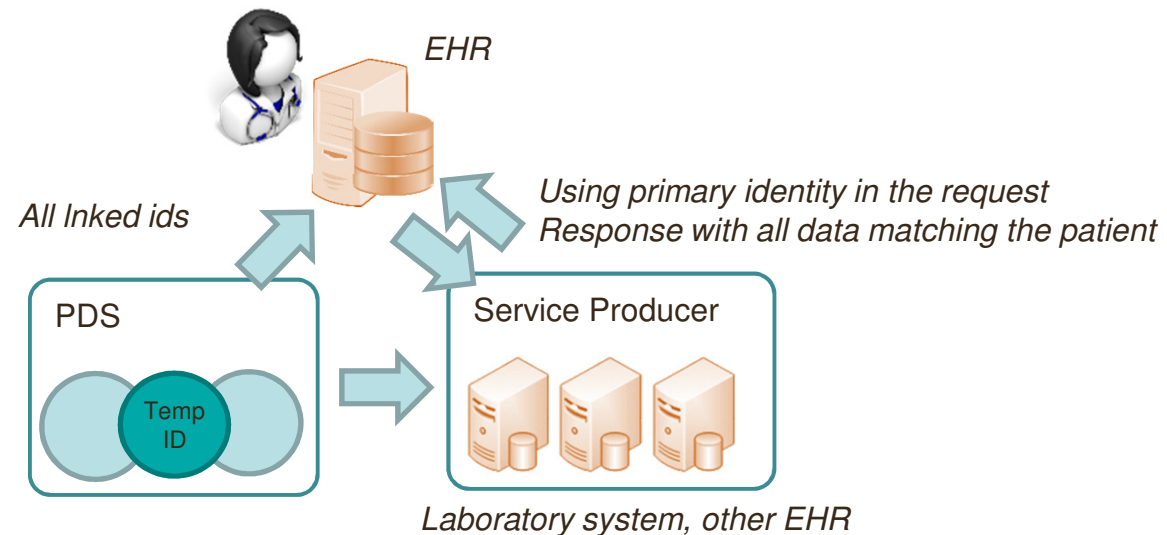
# National temporary ID

**Storing, sharing and retrieving** personal data through the Personal Demographic Service (PDS)

**Linking temporary identities** to the patients primary identity  
It will be possible to search for all identities.



*Linked id Primary id Linked id*



# Practical use of temporary identities

– Aida, without a Swedish personal identity number – requesting care in Sweden

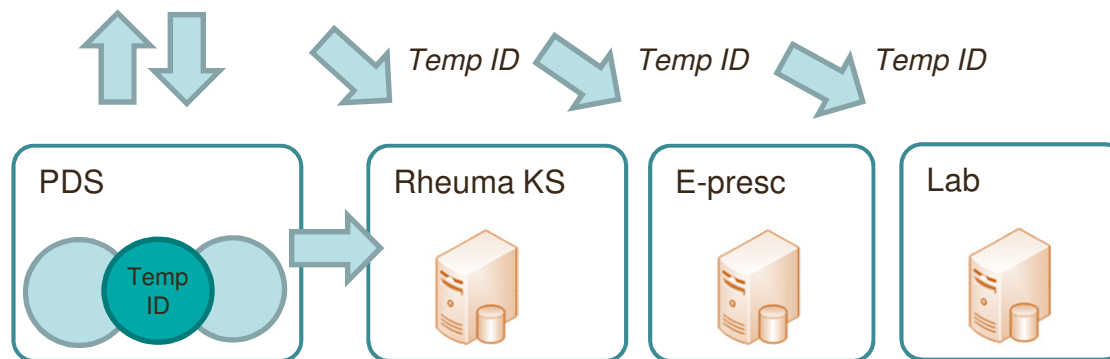
1. Aida identifies herself with a foreign passport



4. Entering medical records in the EHR using her temporary ID. Referral to the rheumatologic clinic at KS. Electronic prescription and samples sent to the laboratory.

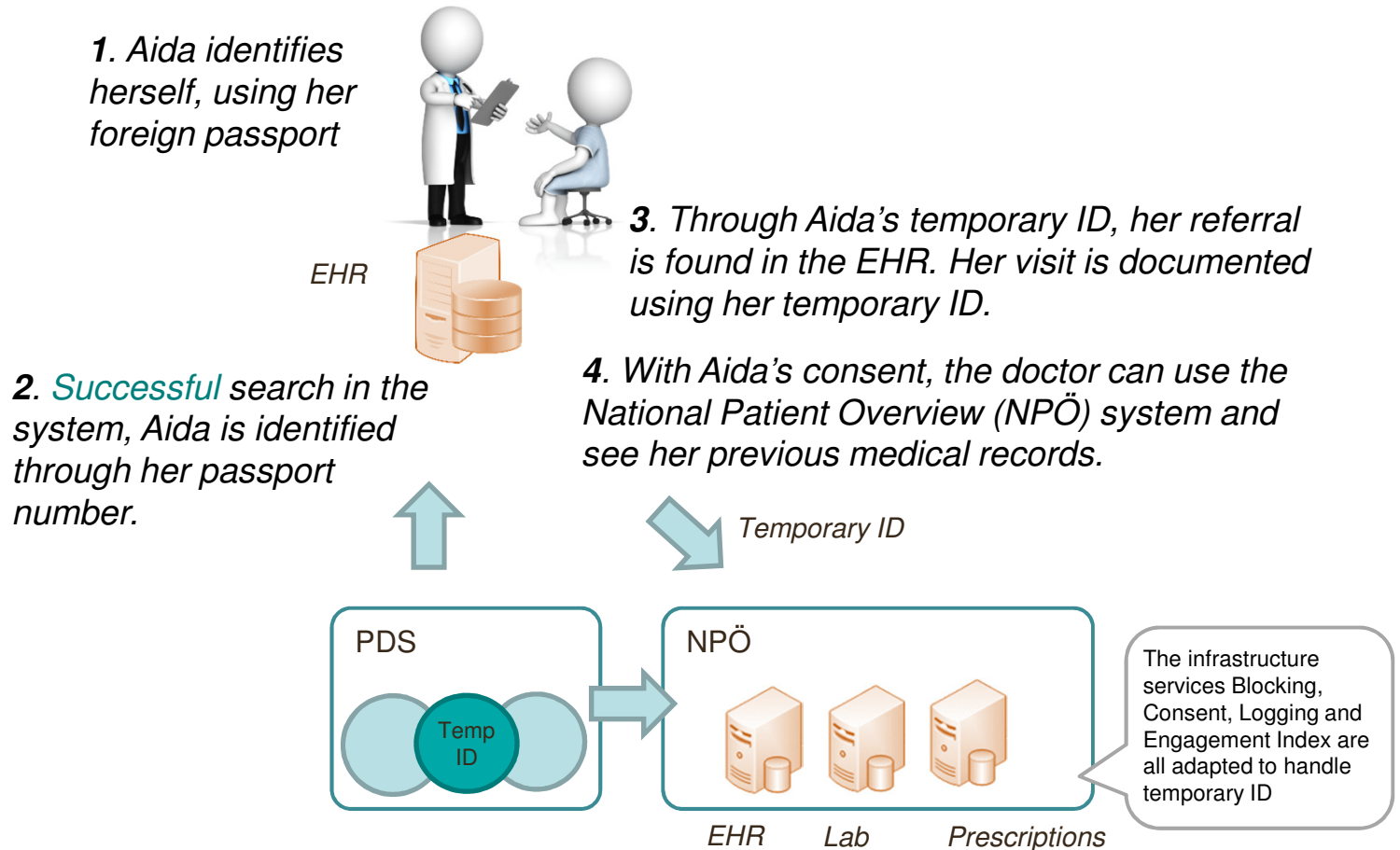
2. Searching for Aida using her passport number without success

3. Generating a temporary ID and registering name, address, etc



# Practical use of temporary identities

– Aida, visits the rheumatological clinic at KS (Karolinska)





## Practical use of temporary identities

– After an accident, Roger arrives at the ER confused, he has a Swedish Personal Identity Number

