

Swiss TPH



Swiss Tropical and Public Health Institute
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Institut Tropical et de Santé Publique Suisse

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Public Health Computing Group
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Reference data model, and implementation in OpenHDS

Entities (Invariants), Events, and Episodes

Entities

Individual, Location, Social Group

Invariable attributes and relationships

Events

Birth, Death, Immigration, Outmigration, ...

References to Entities, dates, attributes

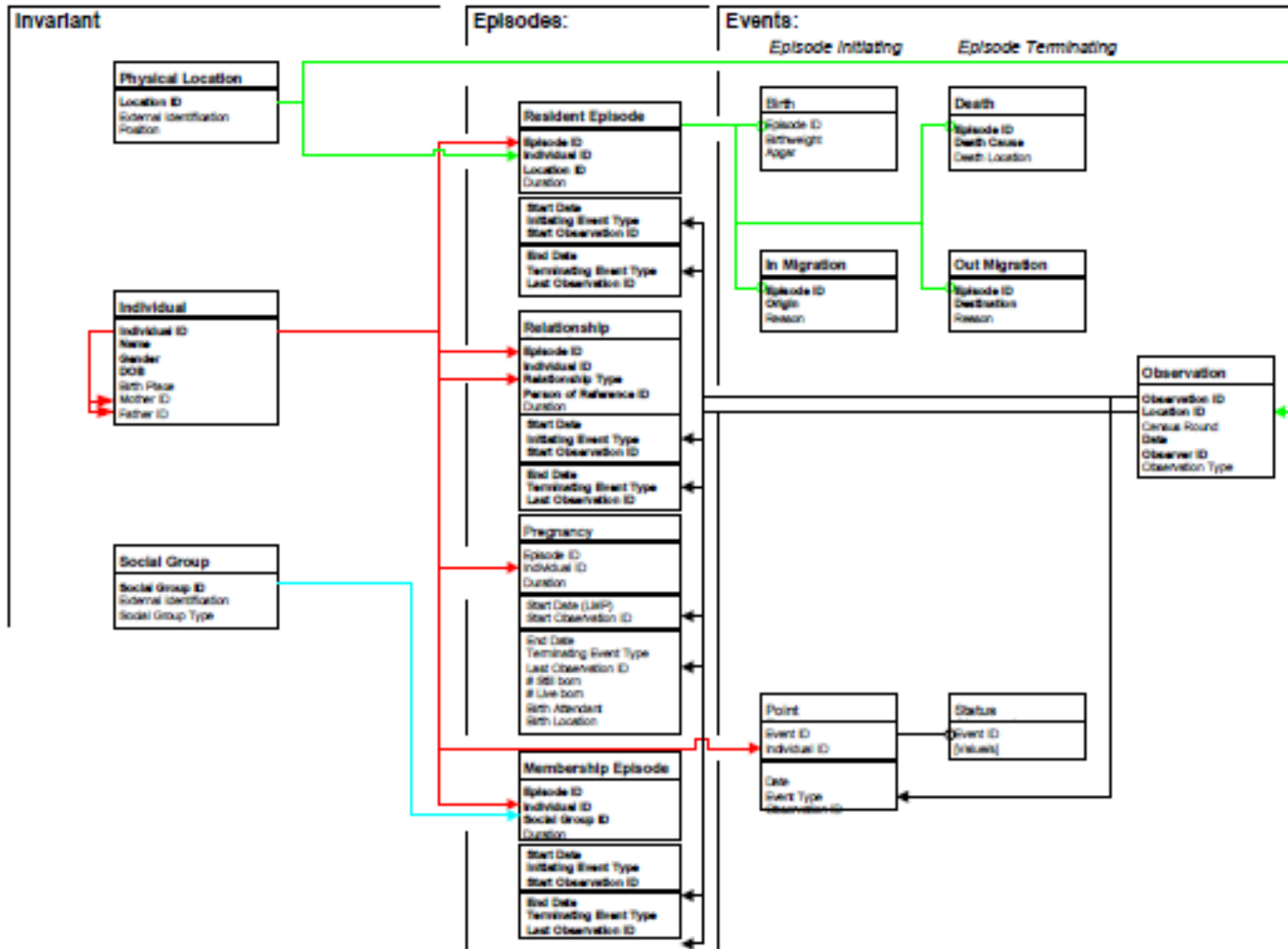
Episodes

Residencies, Memberships, Relationships

References to Entities (one or more), start date and start type, end date and end type (if applicable)

Reference Data Model (Benzler, Herbst, MacLeod)

Reference Demographic Surveillance Data Model



Implementation in a relational databases (OpenHDS schema)

Example Residency:

References to entities:

individual_uuid

location_uuid

startDate

startType (e.g. IMG, BTH)

endDate (or NULL)

endType (OMG, DTH, or NULL)

Demonstration

Individual extID: BCL000777001