



The Swedish Child Preventive Health Registry

A national quality registry on Child Preventive Health



BHV

Svenska Barnhälsovårdsregistret

Thomas Wallby

PhD, RN

Uppsala university

Central unit for Child Prev Health Care,

Akademiska Hospital, Uppsala, Sweden

Registries in Sweden

- 1686 Population registration in Sweden
- First census 1749
- 1947 Personal id number
- Administrative registries
- National health registries
- Information available for research

National Quality Registries in Sweden



- Has been established in the Swedish health and medical services in the last decades
- Today about 100 registries
- Individual level data with personal id number
- No national registry on child preventive health
- Two local quality databases

Swedish Child Preventive Health Care Services

- 1937 Child Health Care Services
- Free of charge for all children 0-6 years
- 1944 coverage 79% of all infants
- Today coverage is almost 100 of all children 0-2 years
- 1972 Structured Child Health Care Record

History



- 2005
A national conference on child health quality indicators
- 2012
Application for funds granted

Aim

- Equal Child Health Services to all children in Sweden
- By measuring key indicators increase the quality of today's Child Health Services i Sweden
- Publish summaries of data for public comparisons
- Provide local data for quality improvement and decision support

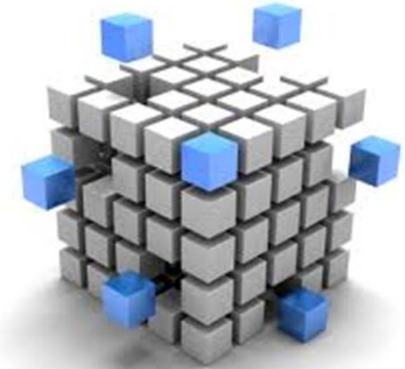


Organization

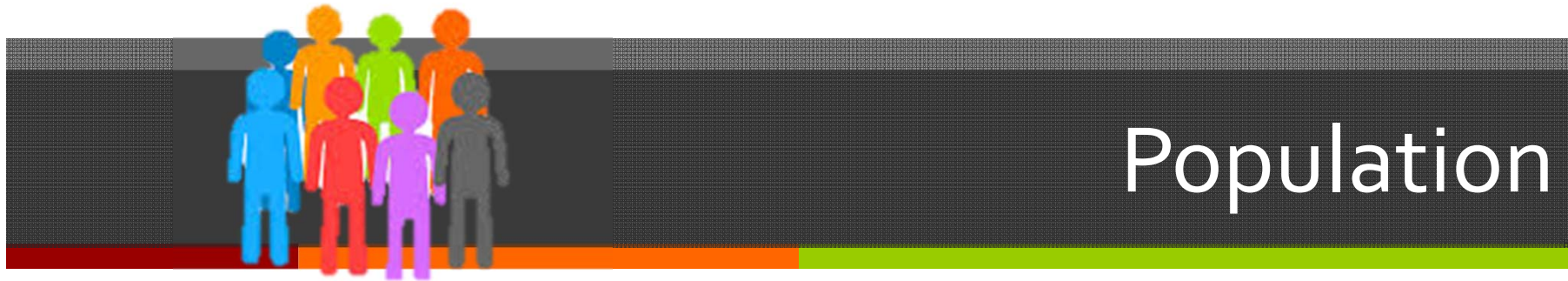
- The registry board consists of 9 persons
- Professional and geographical representation
- Regular information and discussions at annual conferences



Data capture



- Automated data transfer from digital record systems
- Option: a web-based client for manual registration



- Preschool children 0-5 years
- Appr 100 000 children born every year
- In total 600 000 children active at CHC/year

Indicators

- Structural indicators measure key elements
- Process indicators measure the content of the program and the coverage
- Result indicators are supposed to measure changes in children's health



Initial variables

➤ Structural

- Number of children
- First child in family
- Burden of care

➤ Process

- Participation in parenting group
- Home visits
- EPDS screening

➤ Result/Process

- Coverage
- Breastfeeding
- Vaccinations
- Exposure to second-hand smoke
- Growth



Variables Level 2

➤ Process

- Visits at the nurse's office
- Visits to GP
- Referrals

➤ Variables for health index

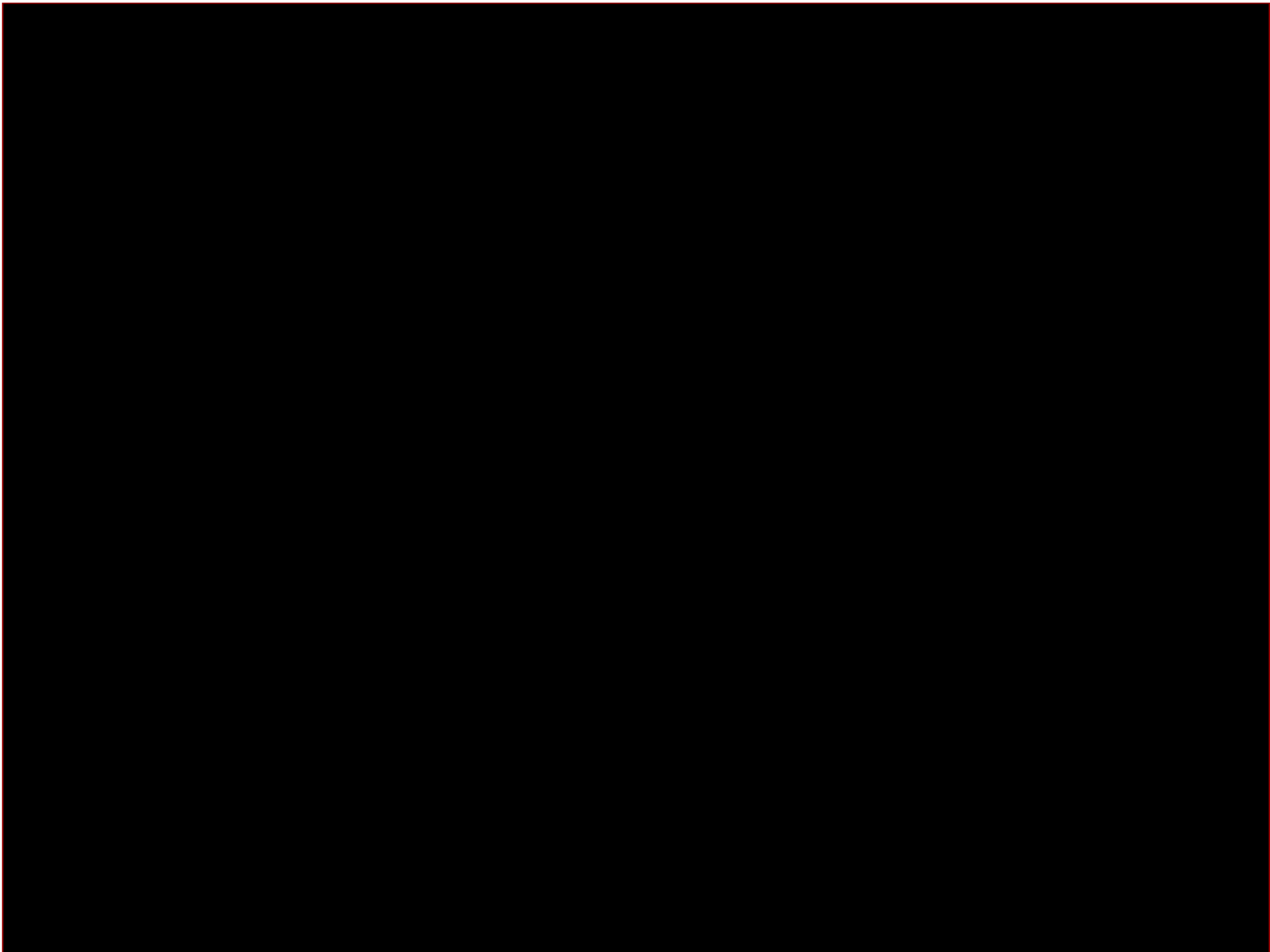
- Antibiotic treatment
- Asthma
- Eczema
- Injuries
- Underweight

➤ Process/Results

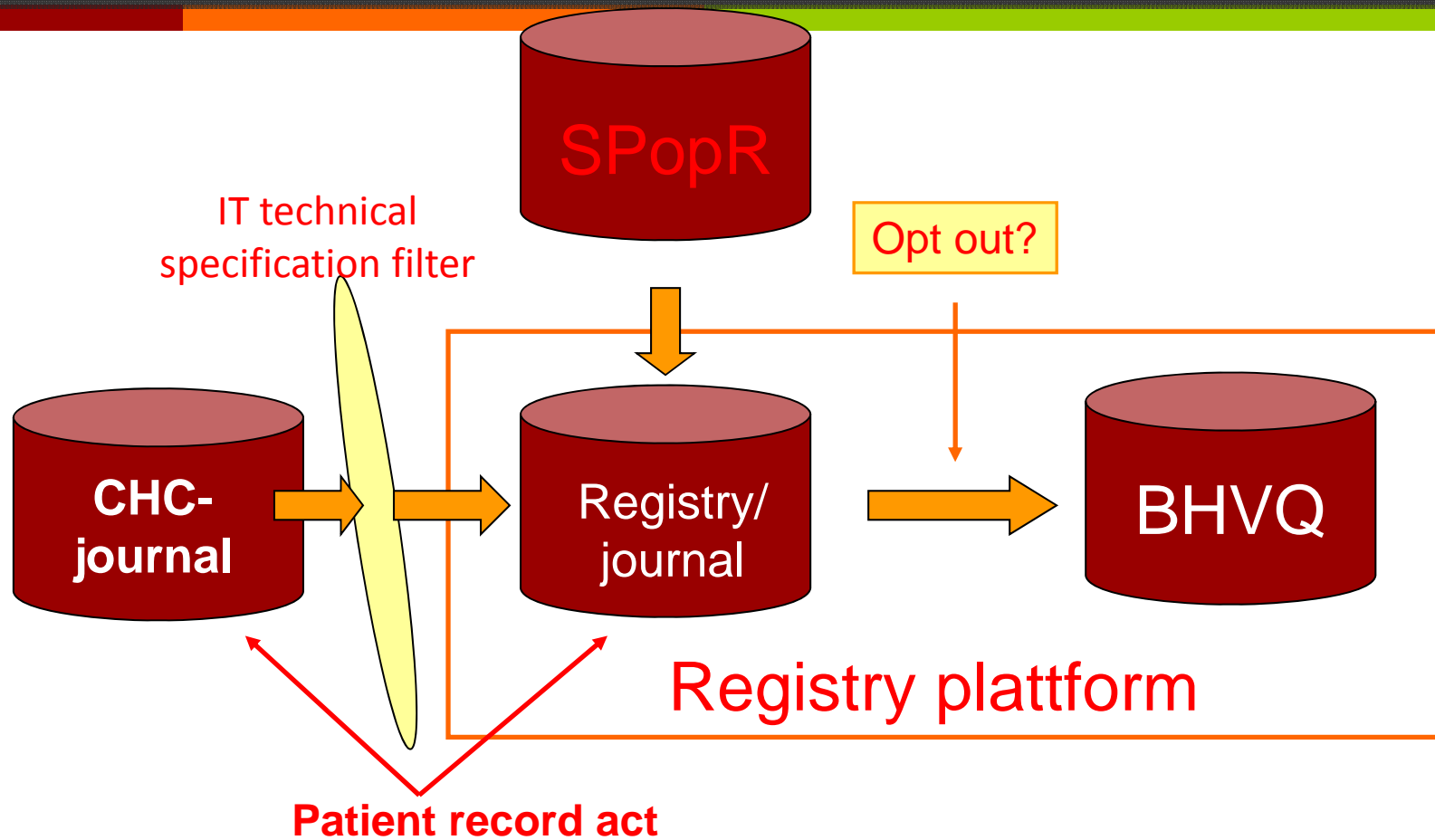
- Language screening
- Hearing screening
- Sight screening
- Development examinations



- Patient Reported Experience Measures (PREM)
- Notifications to social services of child abuse or maltreatment
- Indicators of good nutrition
- Dental caries among 10-month-old children



IT structure



Breastfeeding

- 4 categories
 - Exclusive acc. to WHO def.
 - Predominantly, max. 2 meals add/7 days
 - Partially
 - Not breastfed/stopped breastfeeding