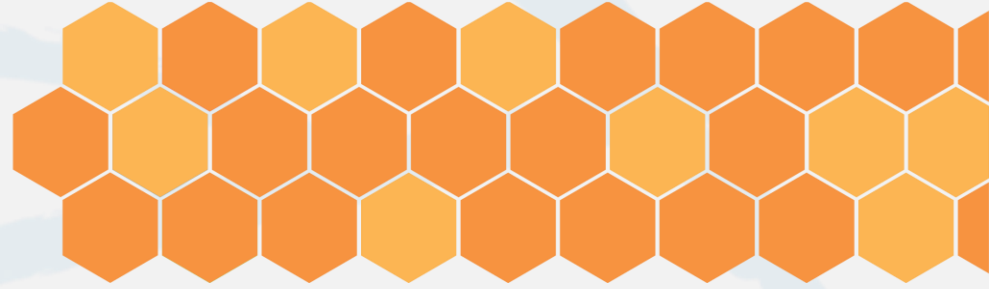




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# Thailand's national IDs as a foundation for universal health coverage and healthcare delivery

Session 5: 10:10-10:45 AM., 19 October 2017

Third meeting of the Regional Steering Group on  
Civil Registration and Vital Statistics in Asia and the Pacific  
@ United Nation Conference Center, Bangkok, Thailand

**Boonchai Kijsanayotin MD., PhD.(Health Informatics)**  
**AeHIN Chair**

**Health Information Standards Development Center (THIS)**  
**Ministry of Public Health, Thailand**

# Thai Civil Registration Systems

- Ministry of Interior started computerized population database and Citizen ID project in 1982
- BORA operates and maintains the data base for the entire population of the country, and issues identity cards and household booklets



1969-1986 Typing machine ID card



1987 - 1996 Computer Printout ID card



Current Smart card type ID card

# Thailand Universal Health Coverage

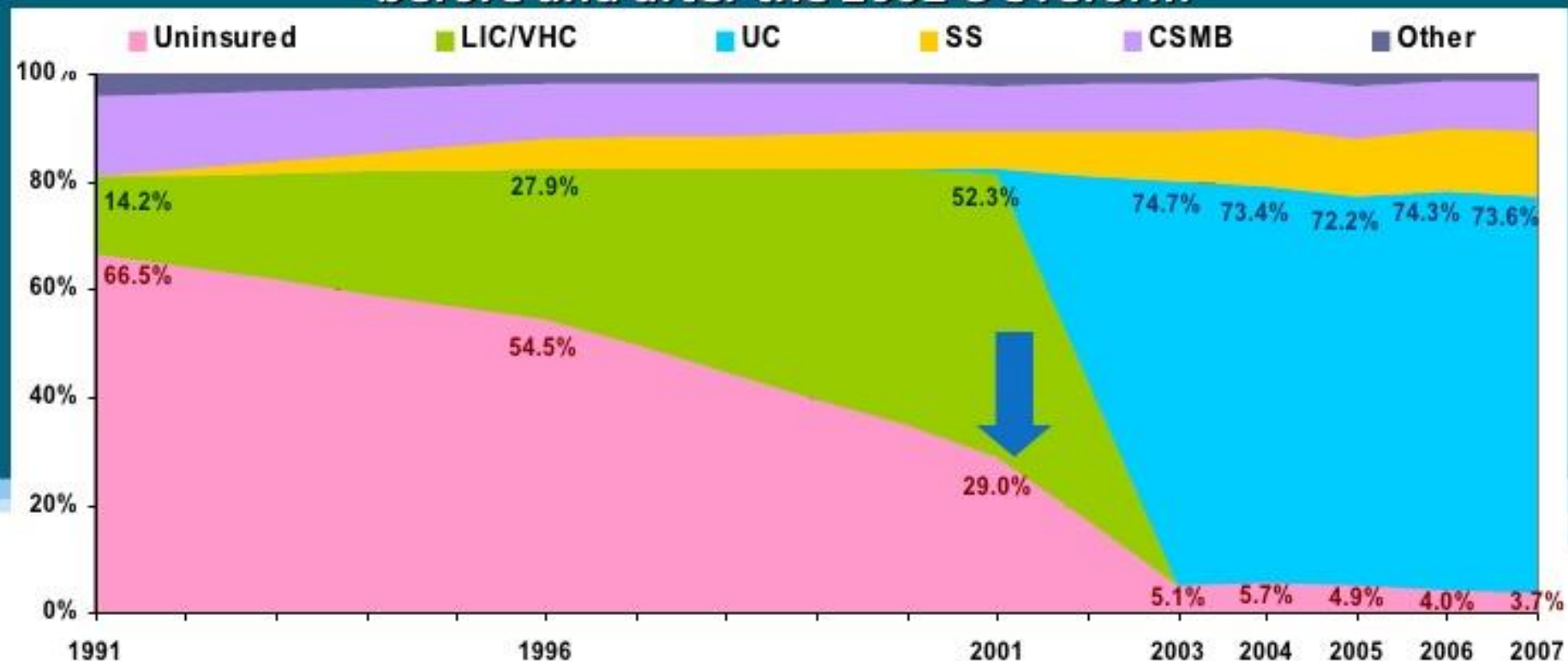
Social health protection schemes have **covered all** Thai citizen since 2002

Major Schemes	Civil Servants Medical Benefit Scheme (CSMBS)	Social Security Scheme (SSS)	Universal Coverage (UCS)
Introduced in	1960s	1990s	2002
Target beneficiaries	Government employees & dependents, retirees	Private sector employees	Those not covered by CSMBS nor SSS
Pop Coverage	7% (5 M)	16% (10 M)	75% (48 M)
Funding	Government budget	Payroll contribution, Tripartite	Government budget
Payment to health facilities	Fee-for-service for OP, DRG for IP	Capitation for OP & IP, DRG for Adjusted RW $\geq 2$	Capitation for OP, DRG for IP

From: Health Insurance Systems Research Office, HISRO

# Population coverage by health insurance

before and after the 2001 UC reform



**LIC: Low-Income Card Scheme** → Tax-funded, public welfare program (*defunct*)

**VHC: Voluntary Health Card Scheme** → Subsidized, voluntary, community-based health insurance (*defunct*)

**UC: Universal Coverage Scheme** → Tax-funded, entitlement scheme for the *rest of all* Thai population

**SS: Social Security Scheme** → Compulsory, contributory, social health insurance (SHI) for *formal private* employees

**CSMB: Civil Servant Medical Benefit Scheme** → Tax-funded, fringe benefit for *government* employees/pensioners, dependants

Source: Analysis of Health and Welfare Surveys (HWS, various years)

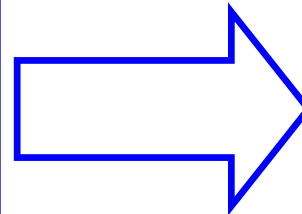
# Contribution of National ID system and IT infrastructure to Thailand UHC implementation

## HIS & HIT context

### 1. Computerized Civil Registration & Citizen IDs

2. Providers' ICT adoption & country's ICT infrastructure

3. Administrative data standards, coding standards & DRG technology



Universal  
Coverage  
Scheme  
Implementation

# UHC Scheme Beneficiaries Roster complete in one year

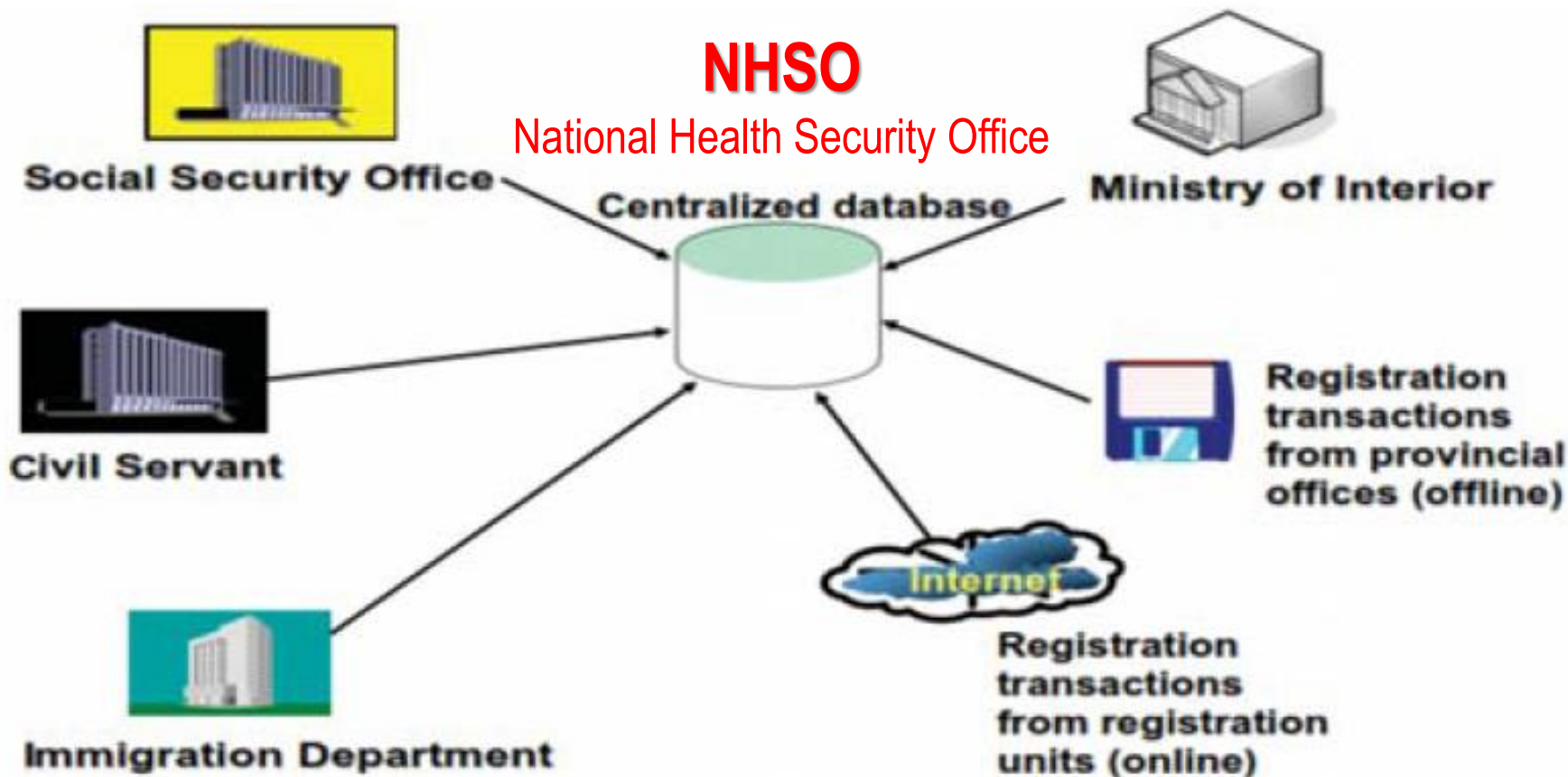


Diagram I : Beneficiary enrollment System for Universal Coverage

# Thai Vital Statistics after 1996

