

Costing Methodology: Health Care Expenditure Projection

Costing SPF Coverage Gaps:
Methodology and First Result Workshop
Amari Watergate, Bangkok
30 September 2011

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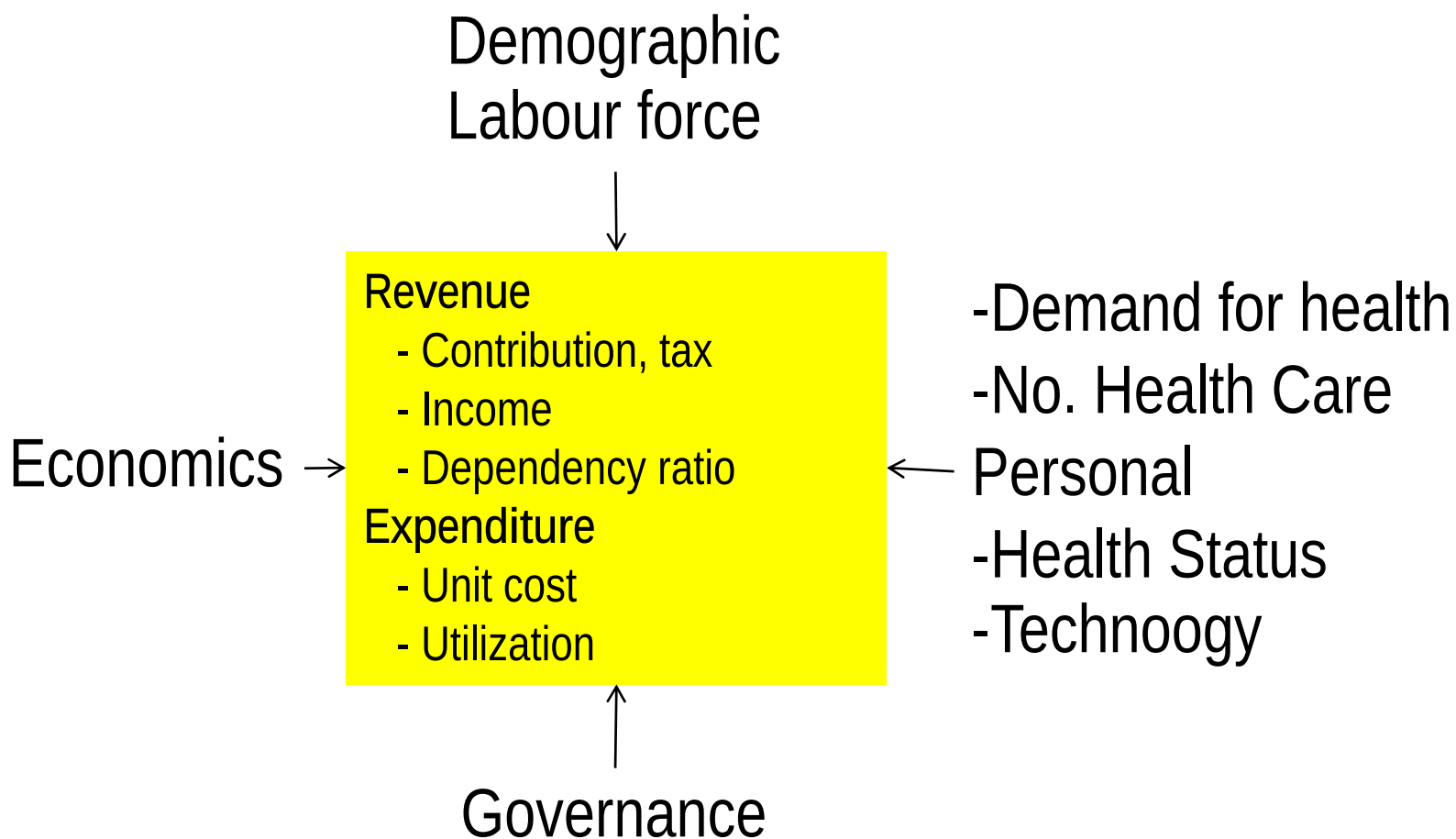
Health Insurance System Research Office (HISRO)

Health System Research Institute, Ministry of Public Health

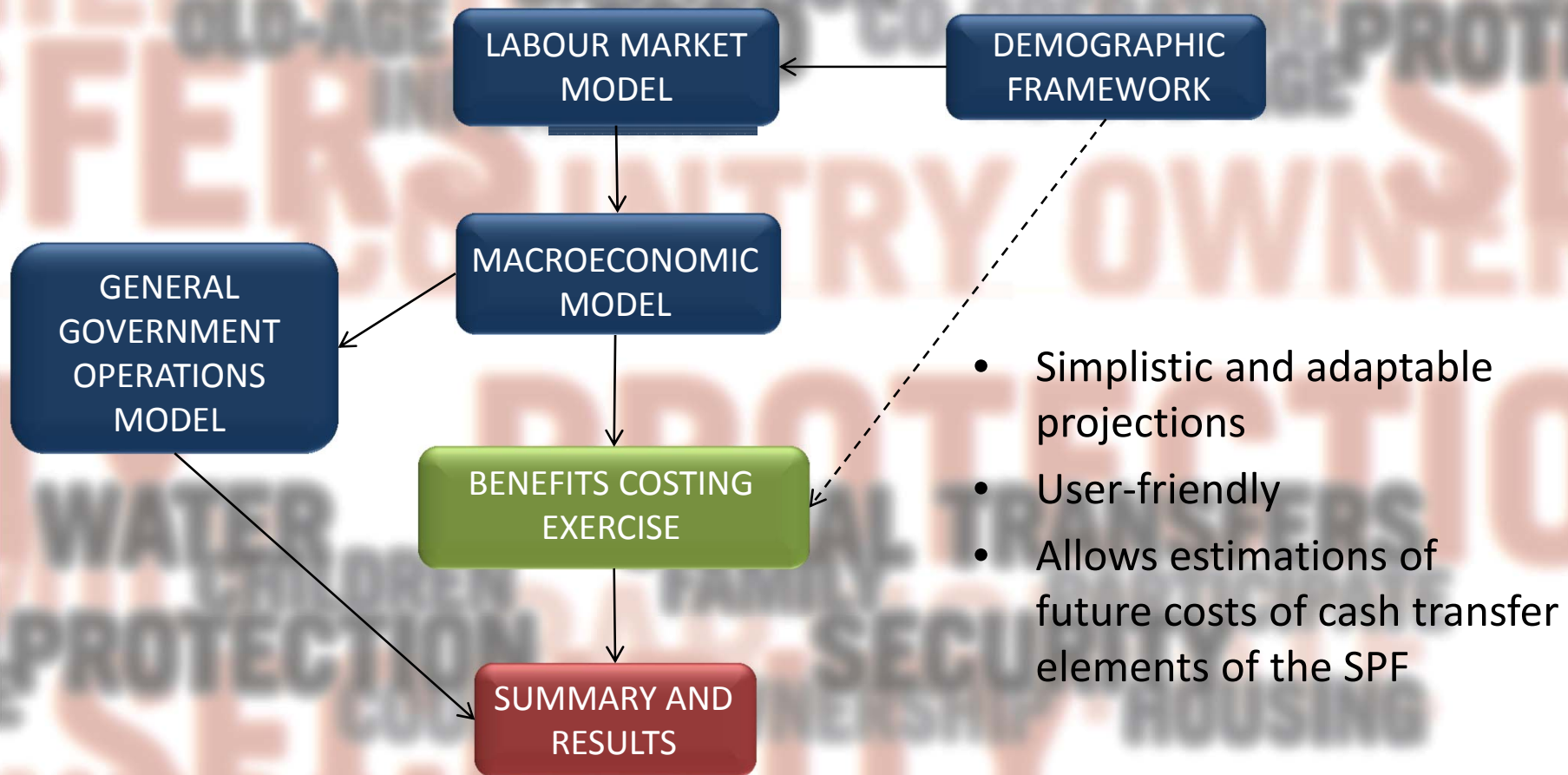
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Cost Drivers for Projection of Expenditure

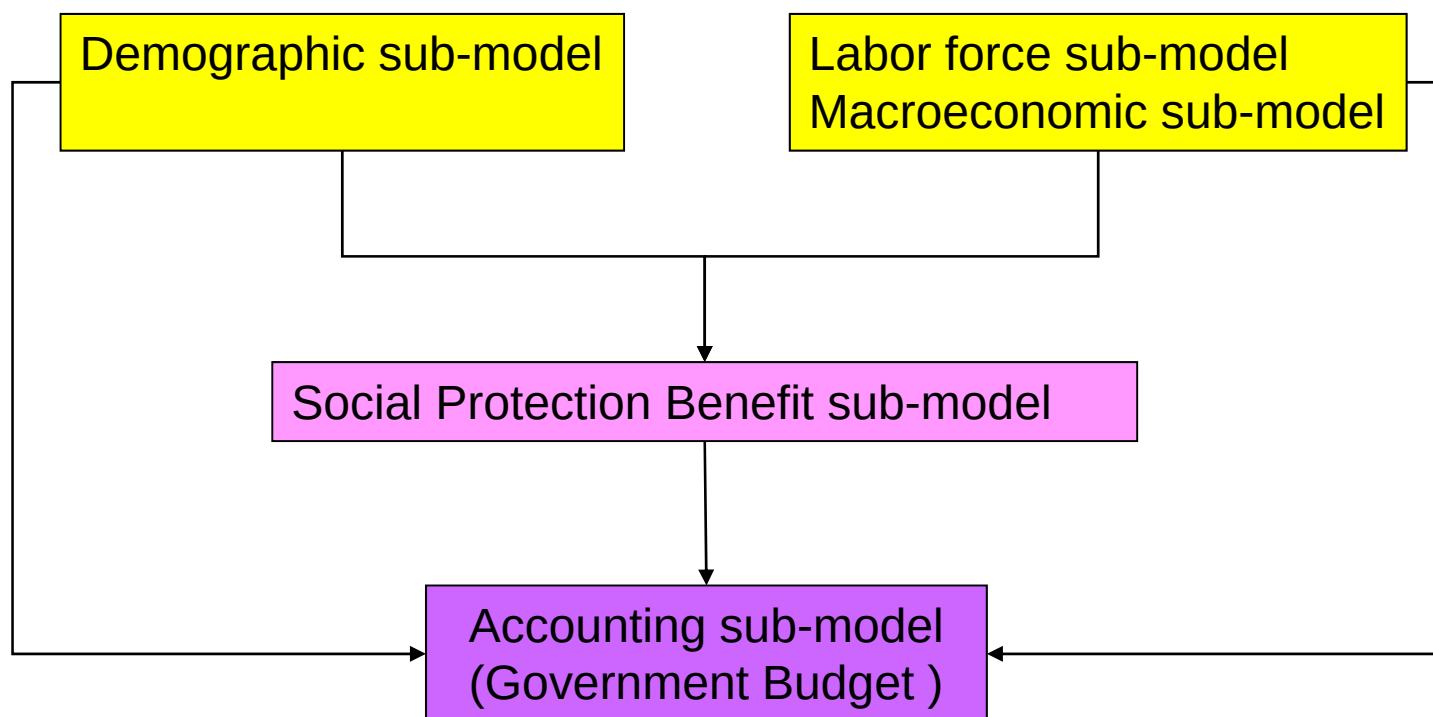


Structure of the RAP



social protection floor initiative

ILO Social Budget Model

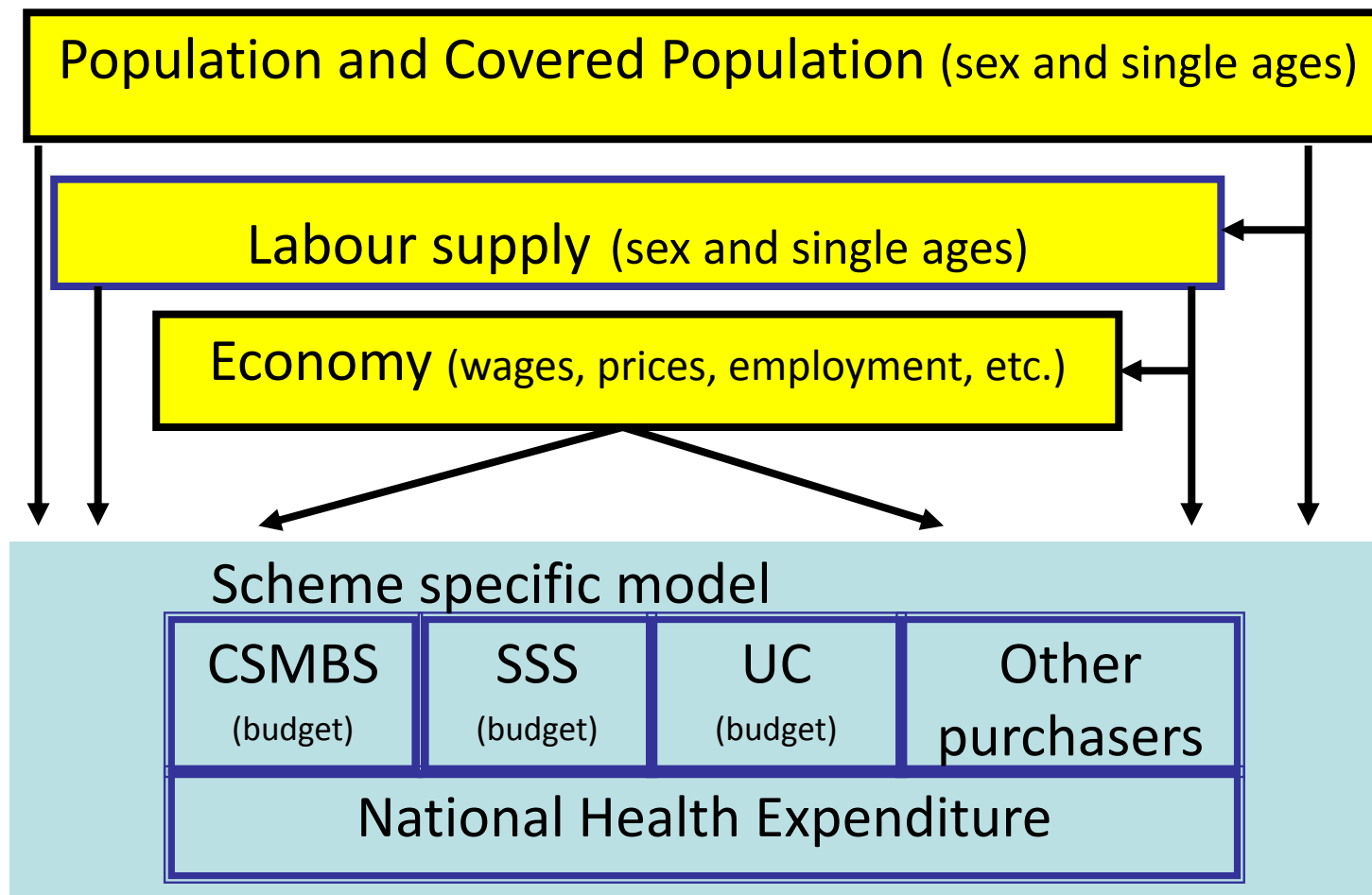


Source: ILO

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Thai Health Care Financial Model was modified from Social Budget Model



Source: Health Care Reform Project (2008)

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Thai Health Care Financial Model

- First version was developed in 2004 by IHPP and ILO
- Second version was developed during 2006-2008 by Health Care Reform Project, CSMBS, NHSO, SSS, IHPP and ILO
- Utilization and Expenditure are disaggregated by single age groups, sex and specific benefits

Disaggregation by Benefits

- Social Security Scheme
- Universal Coverage Scheme

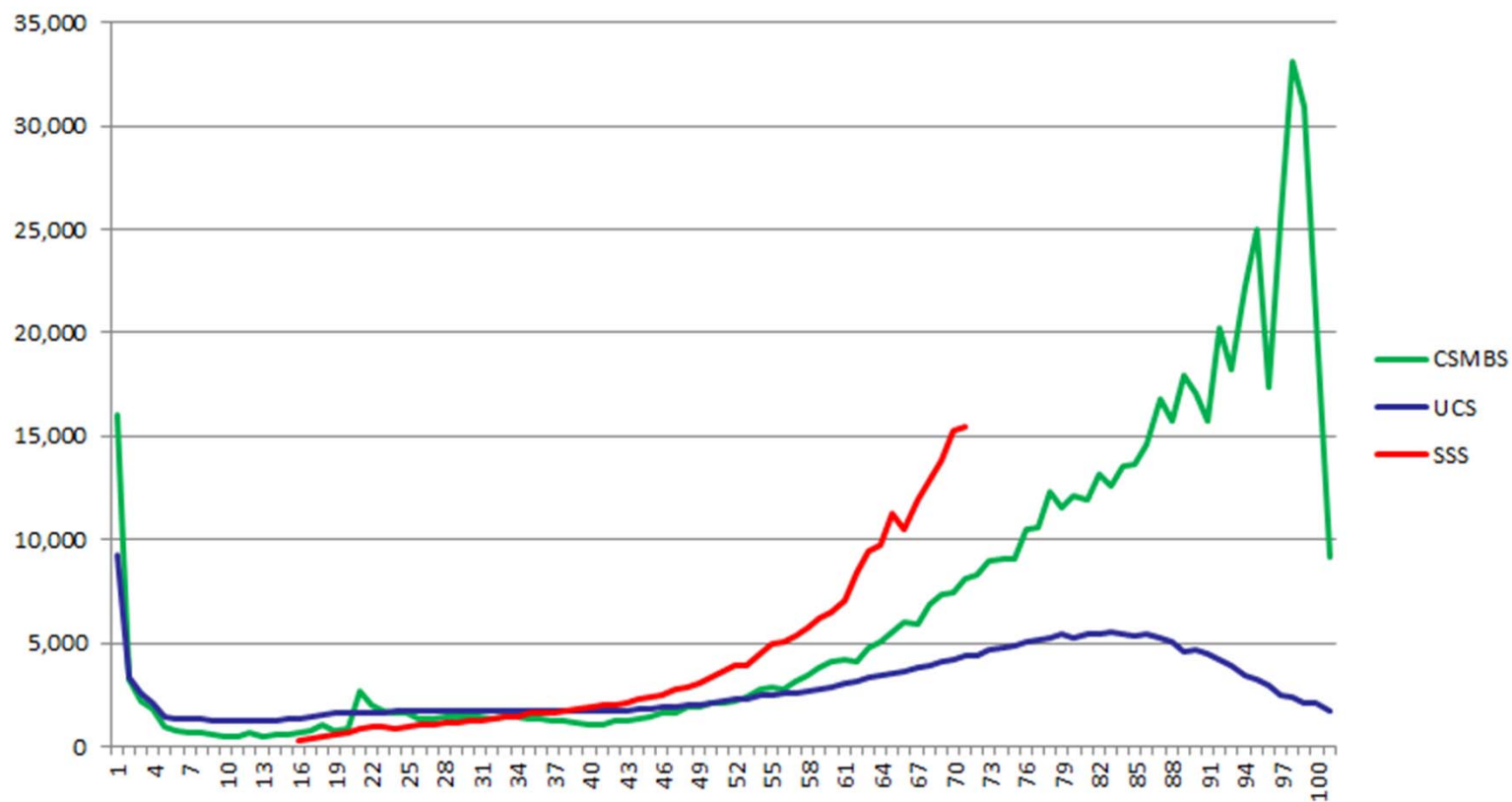
<i>Expenditure by benefit item</i>
General Outpatient Care (capitation)
General Inpatient Care (capitation)
Subtotal Capitation
High cost special services
Accident
Emergency
Medical Instruments
Hemodialysis
Chronic peritoneal dialysis
Renal failure drugs
HIV/AIDS (drugs and lab.)
Bone marrow transplant
Kidney transplant
Cornea transplant*
Dental care
Artificial teeth
Care for nonregistered
Other benefits
SUBTOTAL 1
Sickness cash benefits
Other item
SUBTOTAL 2
Administration cost

<i>Expenditure/budget by benefit item</i>
Outpatient care
Inpatient care
Prevention and promotion (PP)
Pregnancy PP programme
Other PP activities
Emergency medical transportation
Disability care (medical instruments)
Capital replacement cost
Compensation for malpractice
Care for non-registered
Other benefits 1
Other benefits 2
SUBTOTAL 1
HIV/AIDS
Chronic Renal Failure
Other
SUBTOTAL 2
Administration cost

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Expenditure per Capita 2010

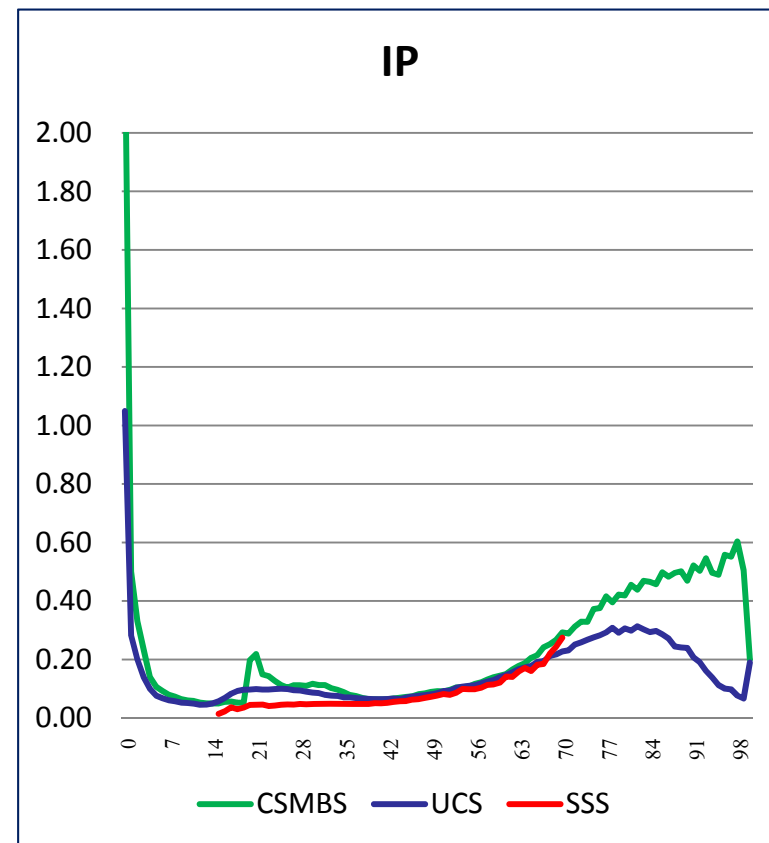
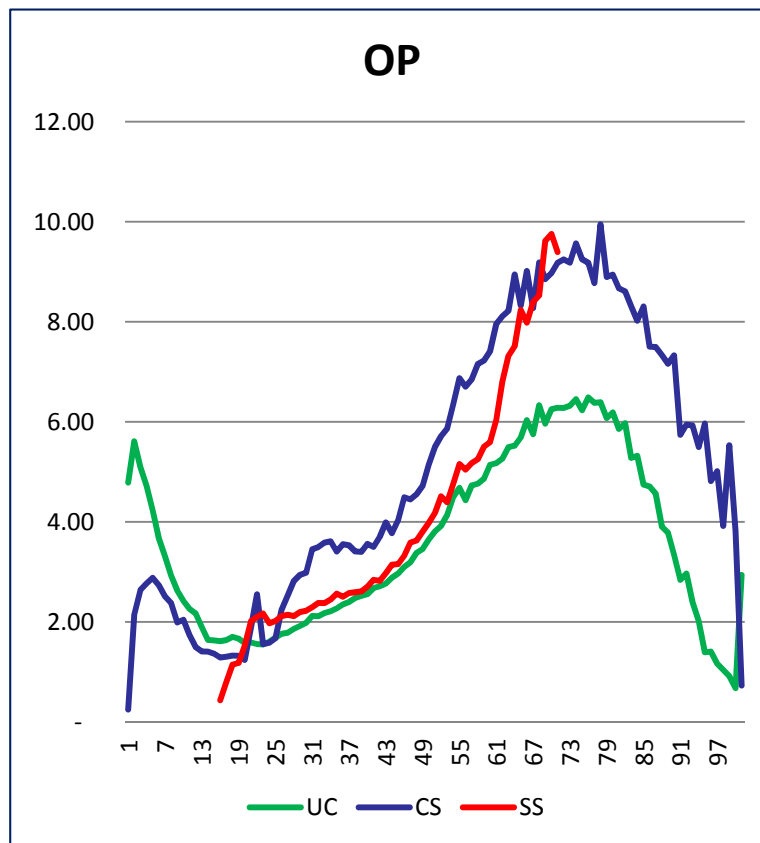


Source: Database 3 scheme 2010

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Utilization Rate 2010

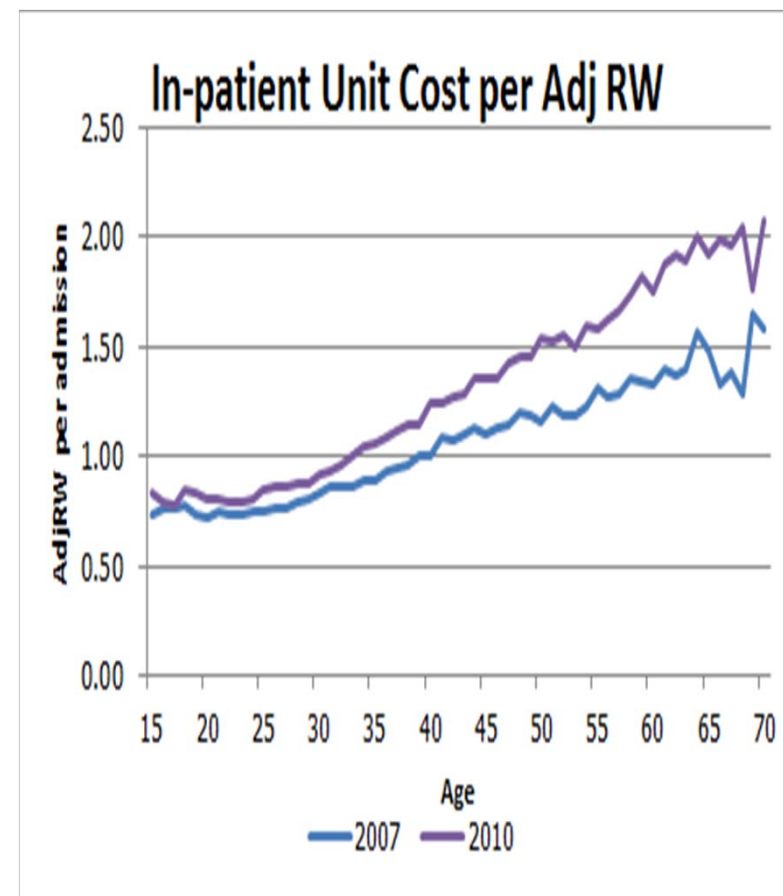
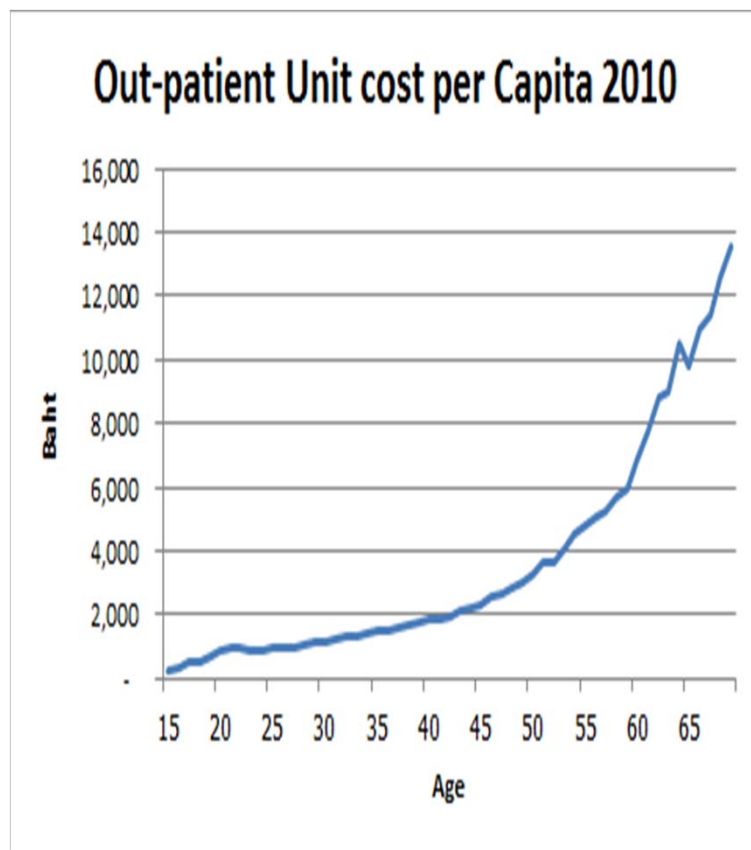


Source: Database 3 scheme 2010

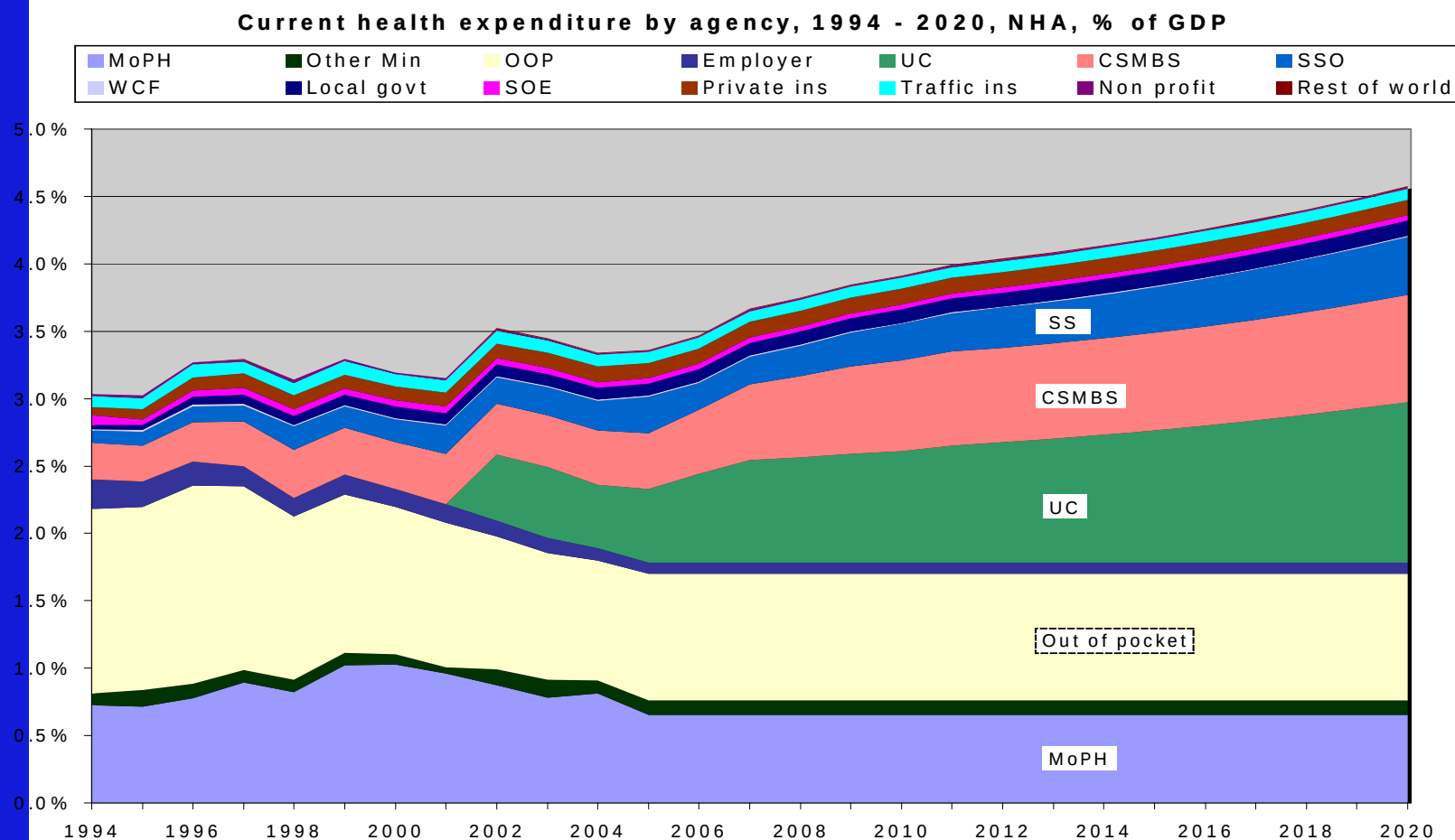
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Unit Cost



Forecast total health expenditure / GDP



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Next Step

- Scenario for expected health services, which include
 - Patient and public expectation
 - Change in health care needs, technology, workforce pay and productivity

Thank You

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