

NHA: Its uses and issues for institutionalization

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Promoting the Institutionalization of National Health Accounts

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Outline

- Introduction
 - A short history
 - What is NHA?
 - International standards
- How is NHA used
 - Approaches
 - Examples
- Issues in institutionalization

History of NHE Estimation

1940-60s: Academic studies in a few countries

Costing of UK NHS (Abel-Smith and Titmuss, 1956)

1960-64: USA Medicare

Establishment of US National Health Accounts

1963-67: First cross-country studies

WHO (Abel-Smith, 1963-67)

1970s: OECD mandate

OECD co-operation to control health spending ⇒ OECD Health Data ⇒
Comparative analysis of determinants of health spending

1990s: Shift from NHE to NHA & Extension of NHA outside OECD region

China, Philippines, Thailand, Egypt, Russia, Hong Kong, Sri Lanka . . .

What Are National Health Accounts?

A statistical system comprising descriptive accounts that describe the totality of expenditure flows in both the government and non-government sectors. They describe the source of all funds utilized in the sector and the destination and uses of those funds.

Typical Health Account Table

Example: Functions by sources (%)

	Government	Employers/ Insurance	Out-of-pocket	TOTAL
Inpatient care	25	2	7	34
Outpatient care & medicines	12	3	37	53
Public health services	6	0	0	6
Other	6	1	0	6
TOTAL	50	6	44	100

Total spending, Sri Lanka (2006) = 4.2% of GDP, \$57 per capita

A “System of Health Accounts” OECD (2000)



Developed by OECD:

- To provide standard reporting tables for international comparison
- To provide an internationally harmonized boundary for health care activities
- To provide a consistent framework for analyzing health systems
- To provide a rigid framework for building NHA to permit consistent reporting over time
- Endorsed by WHO for international reporting

Features of OECD SHA



- Provides explicit and comprehensive boundary of health and health-related production
- Analyzes health expenditures in three dimensions: *sources*, *providers* and *functions*
- Detailed sets of classifications for the uses of spending: providers and functions
- Linkages with other international classifications, including SNA
- Basis for adaptation to meet specific national requirements

Reporting National Spending

- HC.1 Services of curative care
- HC.2 Services of rehabilitative care
- HC.3 Services of long-term nursing care
- HC.4 Ancillary services to health care
- HC.5 Medical goods dispensed to out-patients
- HC.6 Prevention and public health services
- HC.7 Health administration and health insurance
- HC.R.1 Capital formation
- HC.R.2 Education and training
- HC.R.3 Research and development
- HC.R.4 Food, hygiene and drinking water control
- HC.R.5 Environmental health
- HC.R.6 Social services in-kind
- HC.R.7 Health-related cash-benefits

**Total
Current
Expenditure
on Health**


**Total
Expenditure
on Health
(TEH)**

**General
Expenditure
on Health
(GEH)**




Guide to producing national health accounts


with special applications for low-income and middle-income countries



WORLD BANK



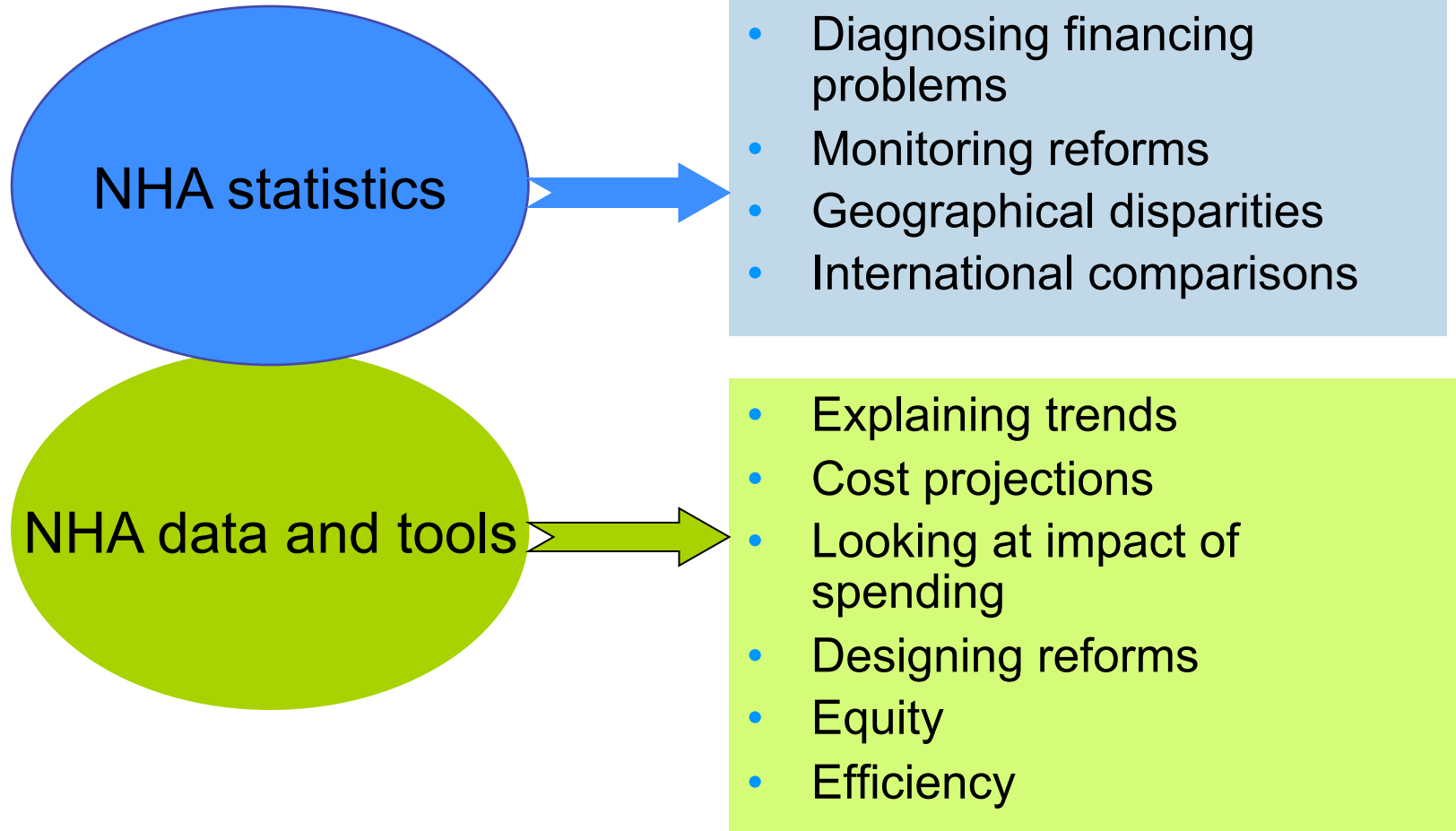
WORLD HEALTH ORGANIZATION



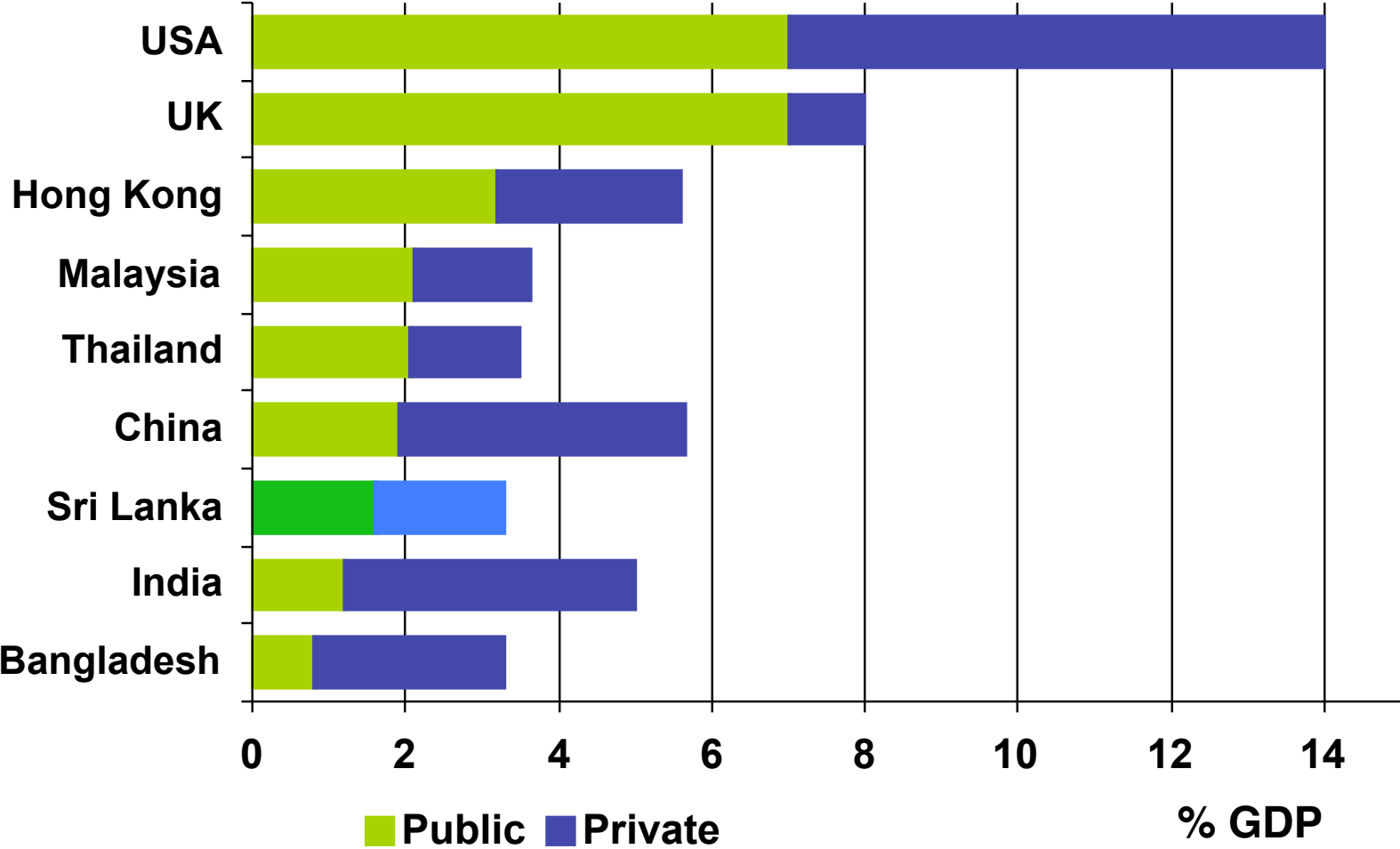
THE UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT

How is NHA used?

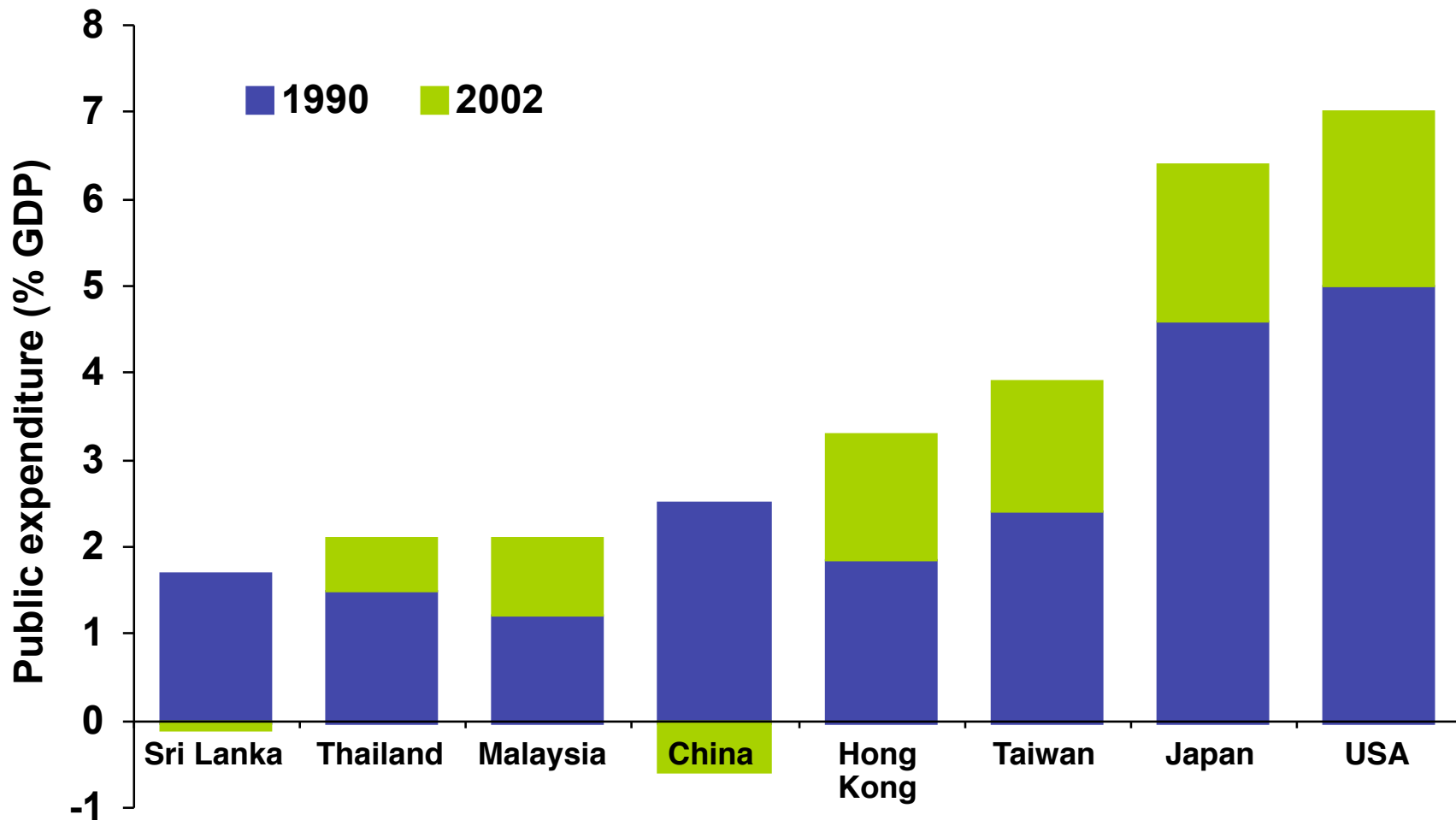
Uses of NHA



NHA Uses: International Comparisons of Levels



NHA Uses: International Comparison of Trends 1990-2002



NHA Uses: Geographical Disparities

Figure 16: Total public health expenditure per capita by province (Rs), 2005

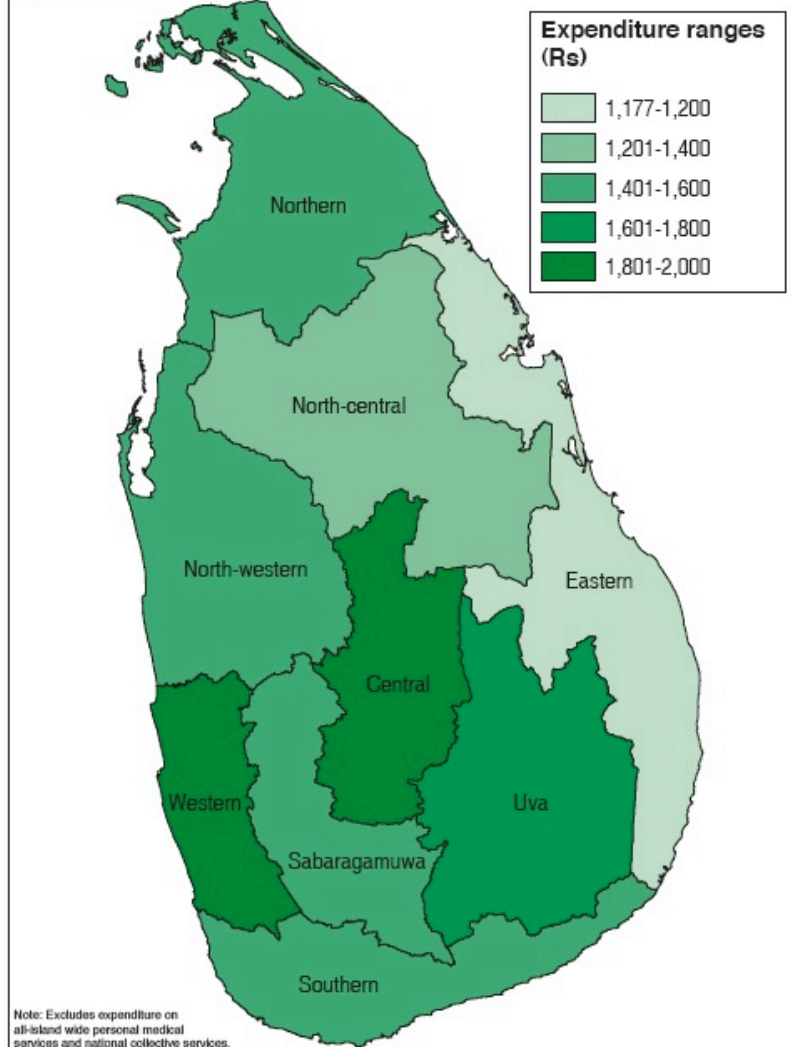
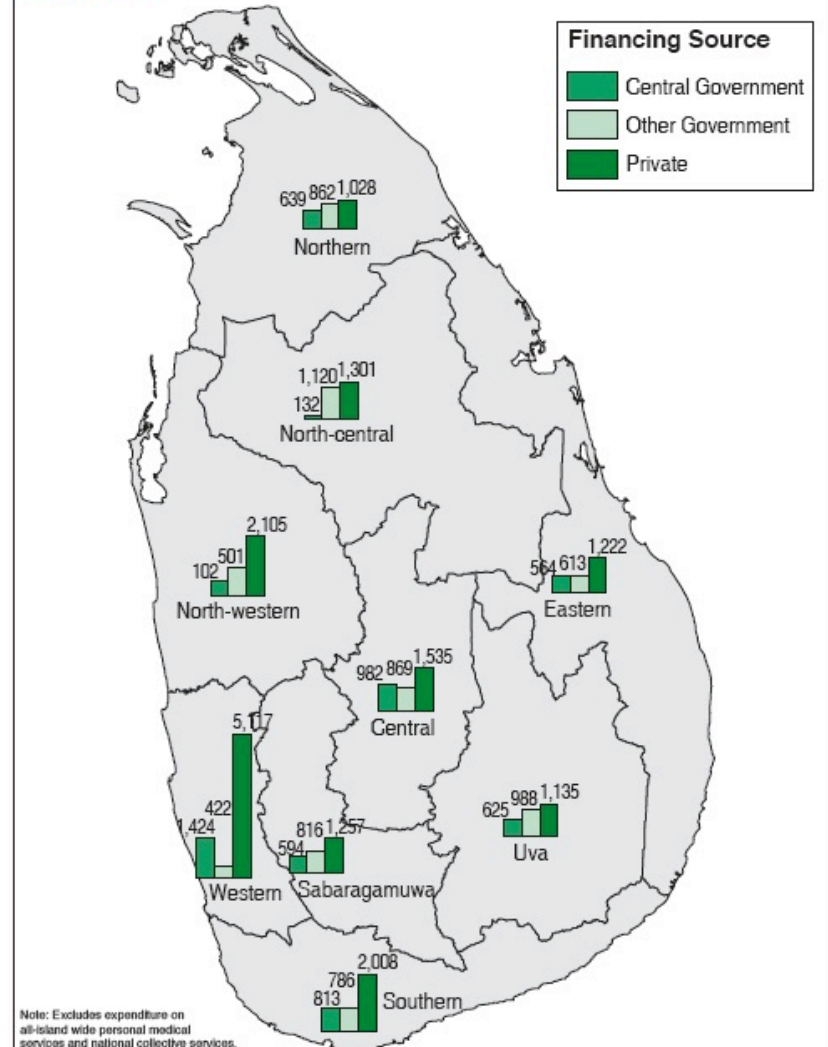
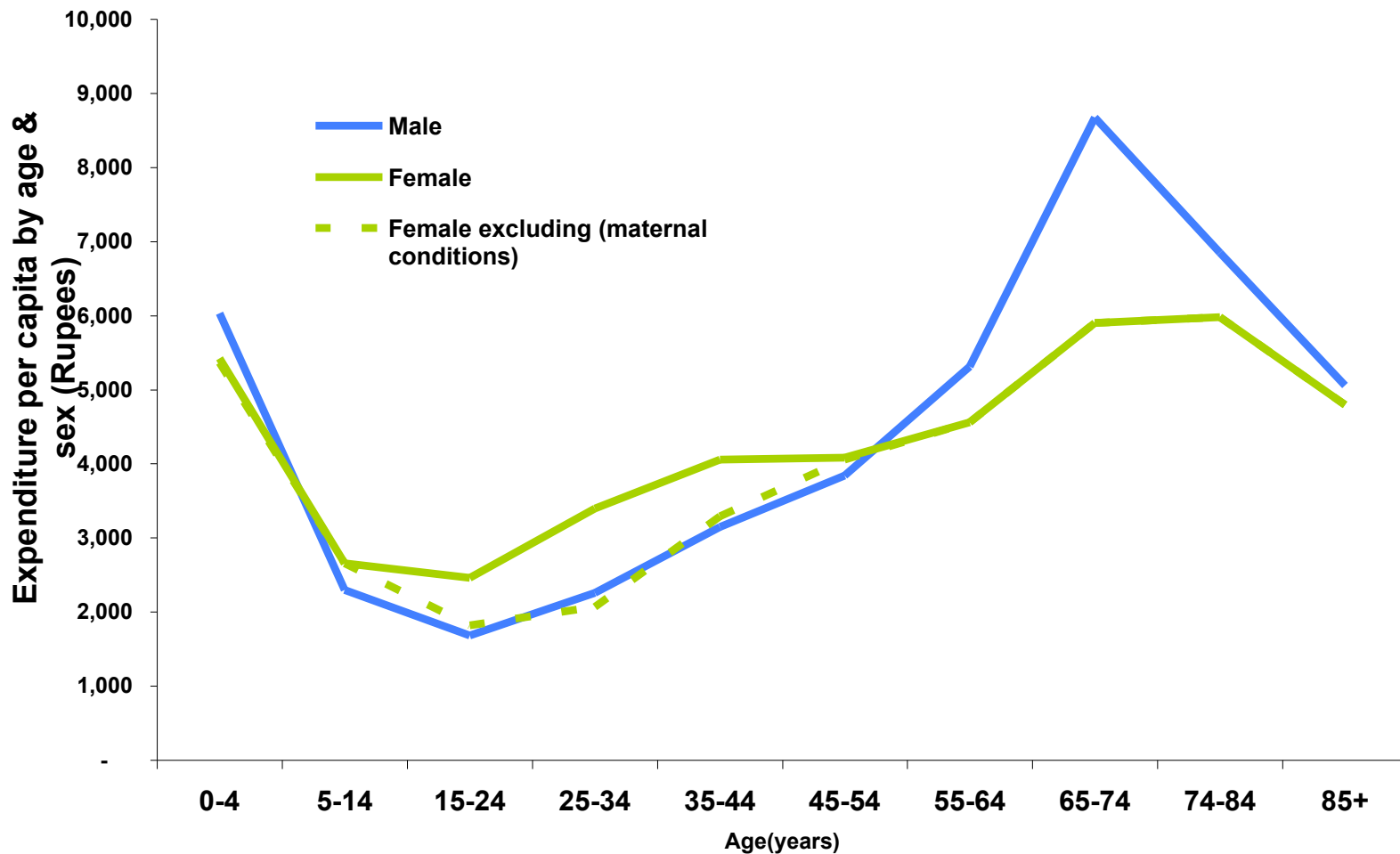


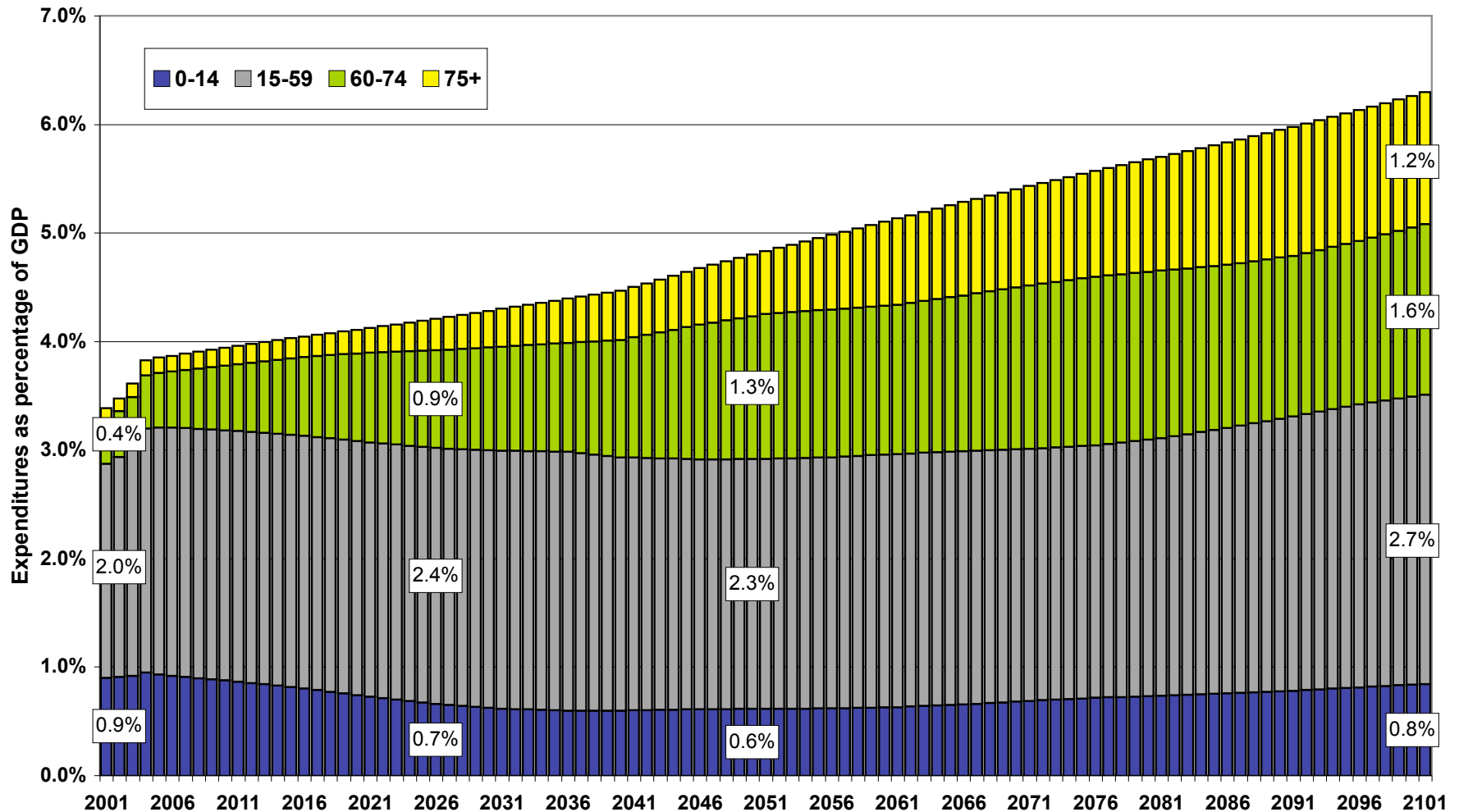
Figure 14: Per capita health expenditure by financing source (Rs), 2005



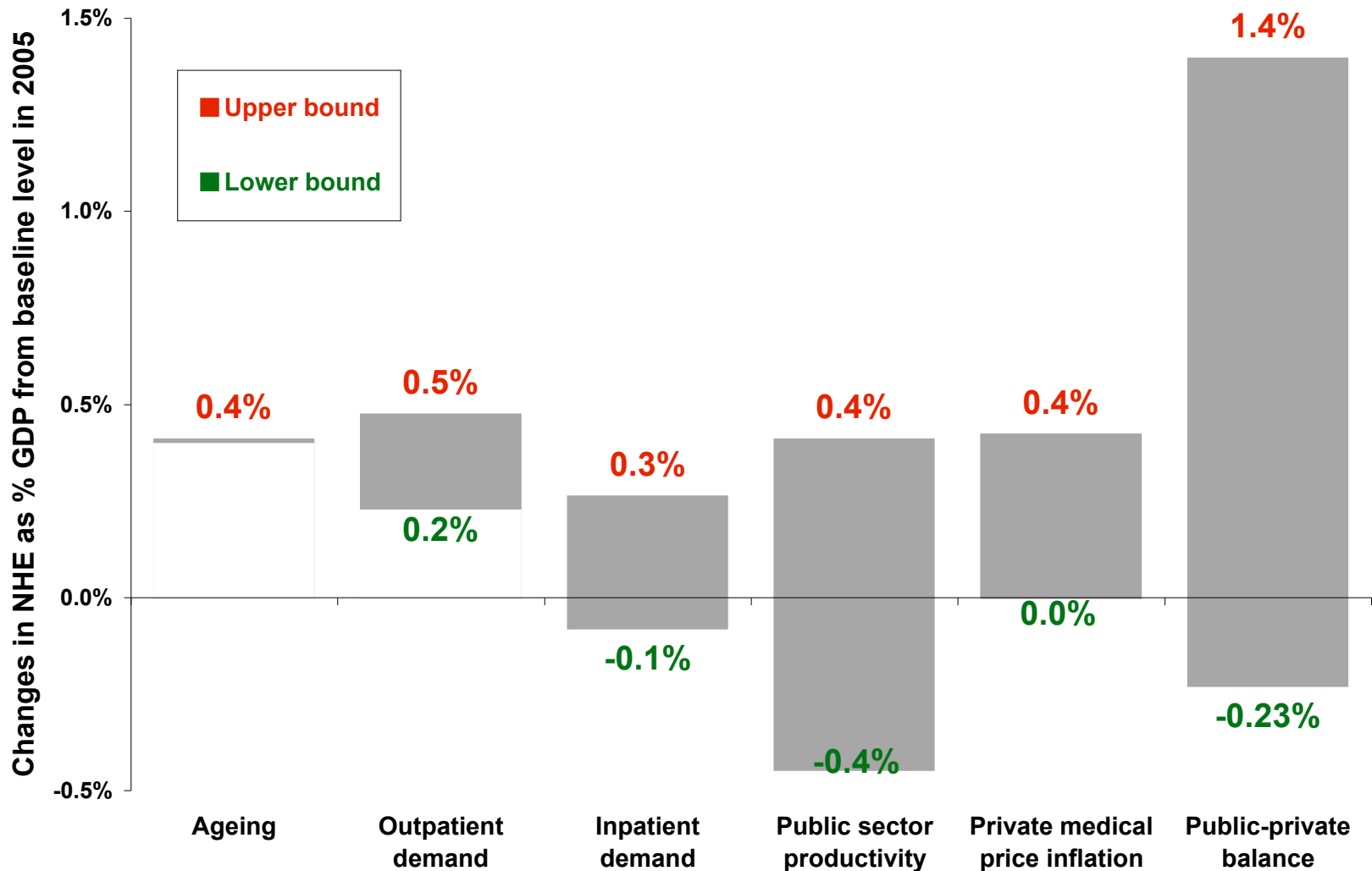
NHA Uses: Analysis of Spending by Age, Sri Lanka (2005)



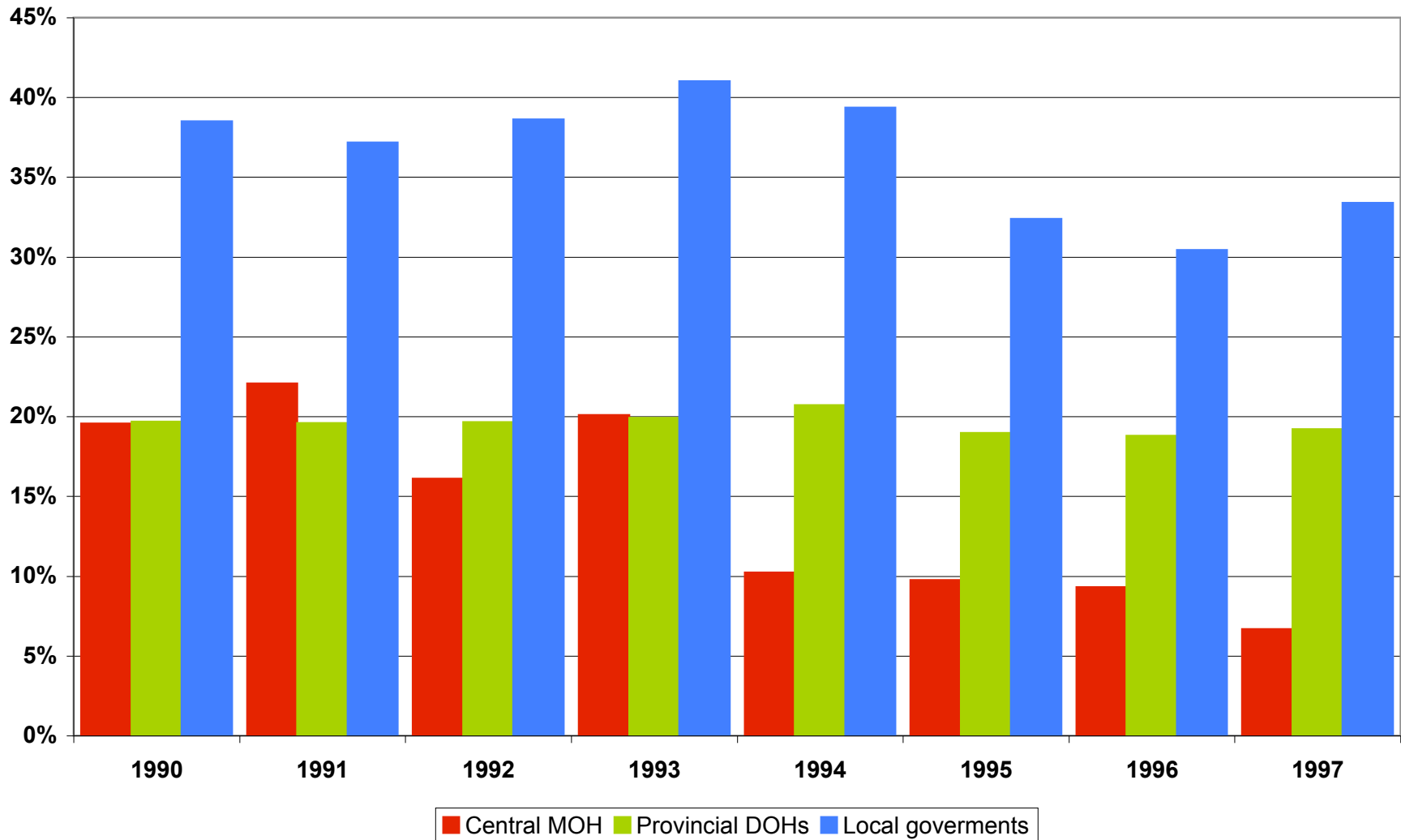
NHA Uses: Sri Lanka Cost Projections



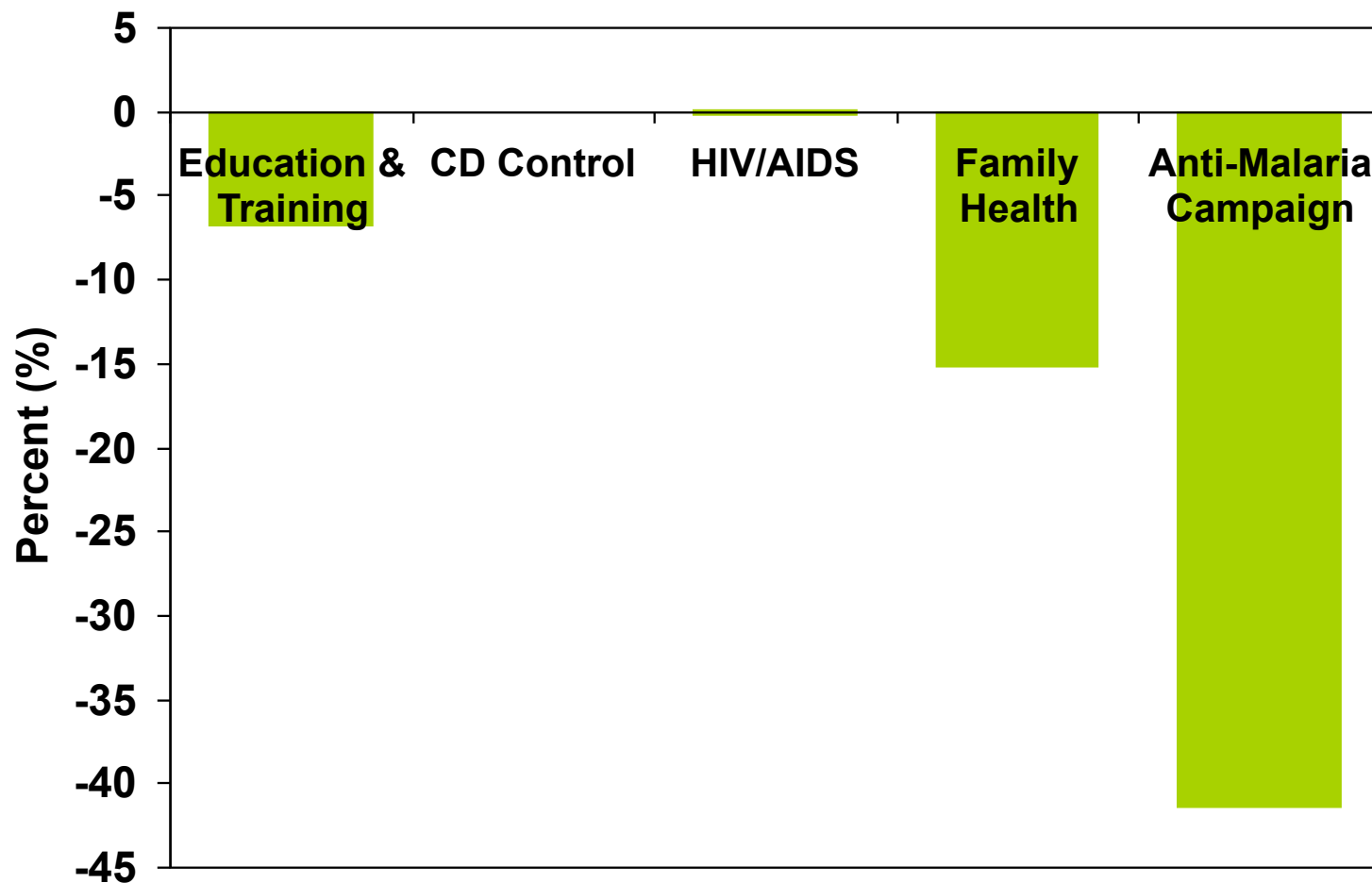
NHA Uses: Analysis of future cost drivers of spending 2000-2025, Sri Lanka (% GDP)



NHA Uses: Analyzing trends in spending on public health, Sri Lanka PER 2004

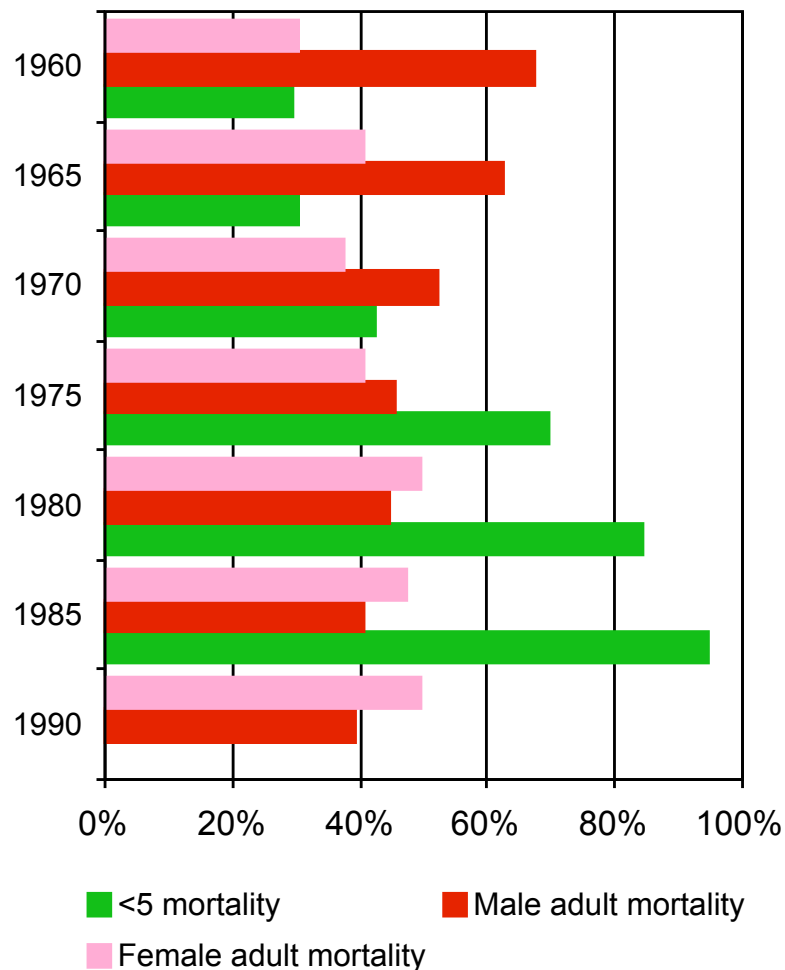


NHA Uses: Explaining changes in spending on public health, Sri Lanka PER 2004

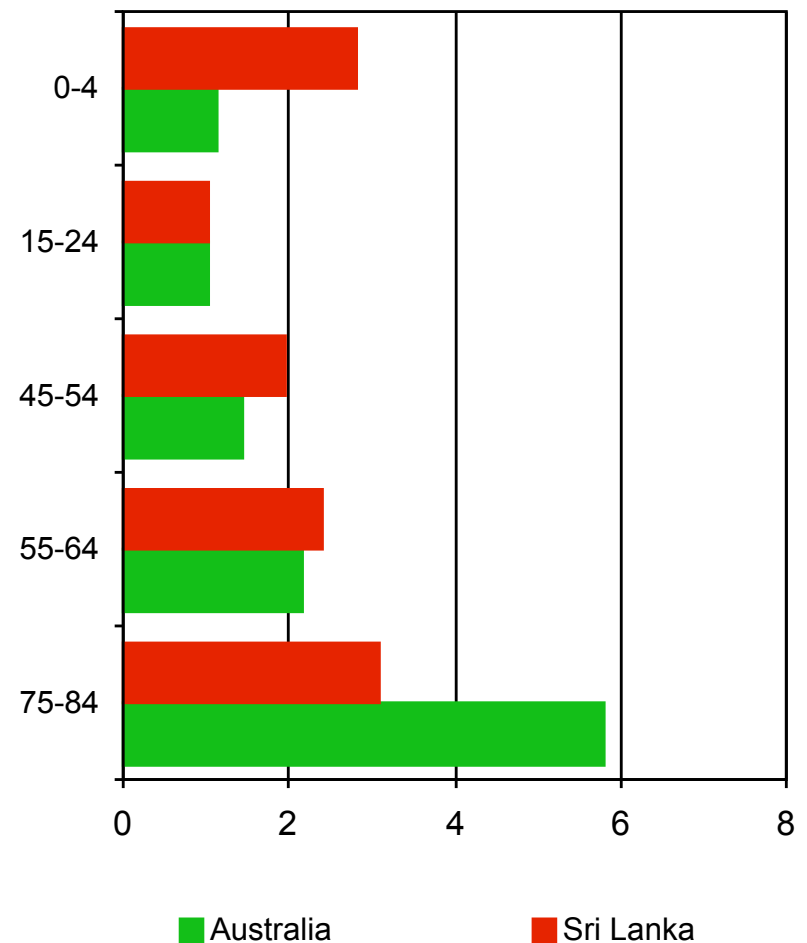


NHA Uses: Analysis of Expenditures vs. Performance

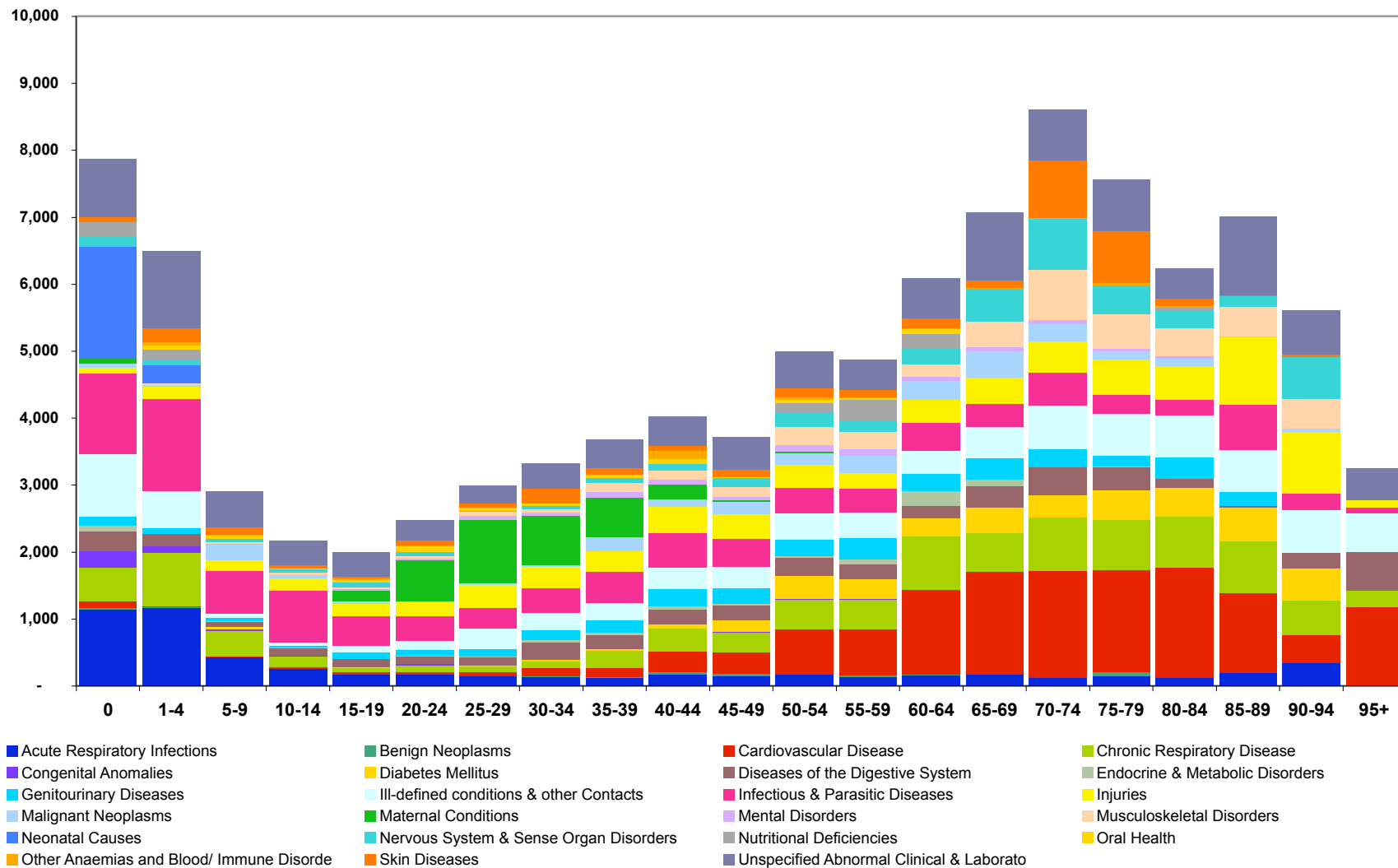
Sri Lanka health performance relative to income



Expenditure per capita by age, Sri Lanka vs. Australia

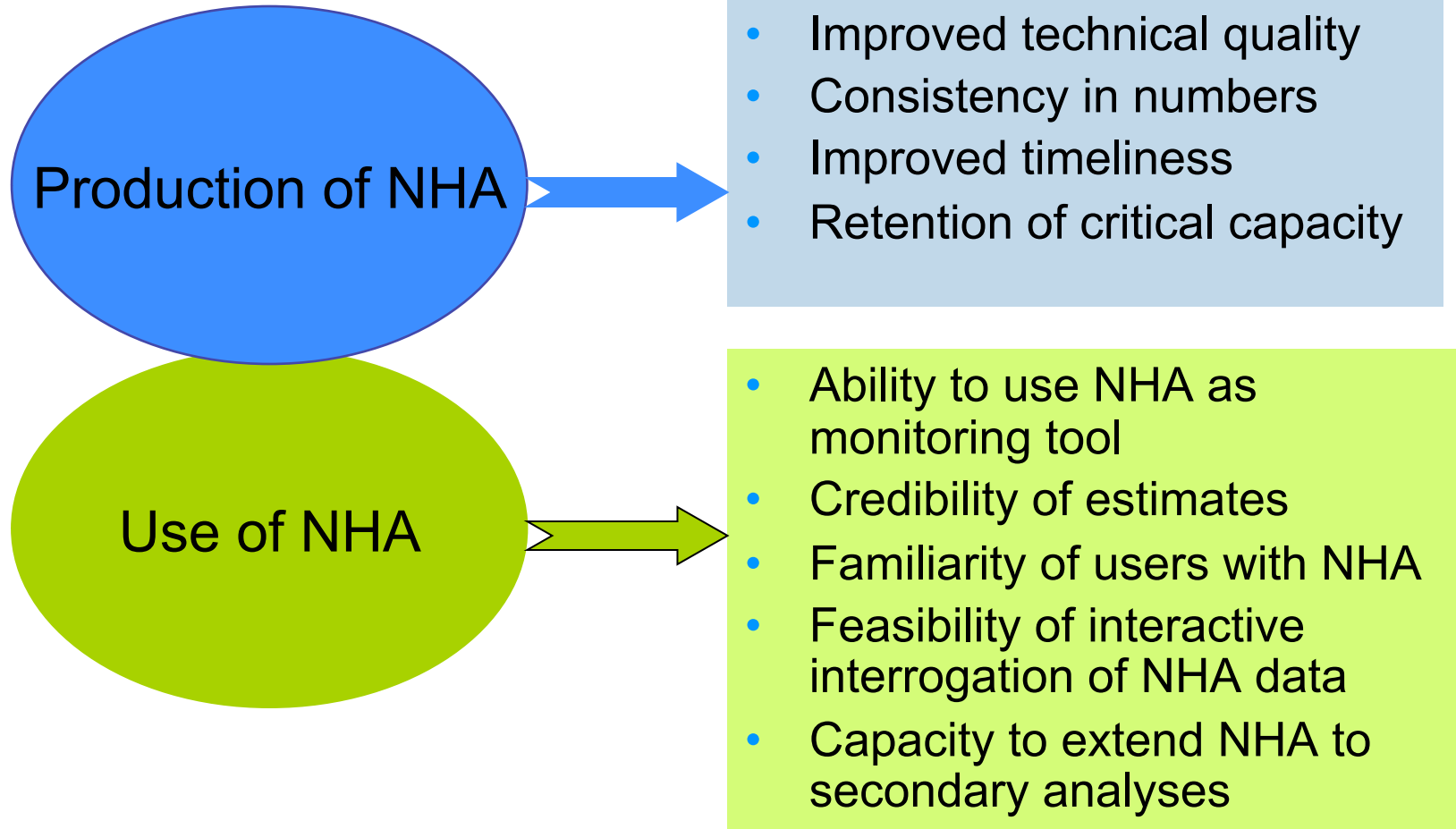


NHA Uses: Spending by Disease, Sri Lanka (2005)



Issues in NHA Institutionalization

Benefits from institutionalization



1. Lower annual costs

- Typically \$20-75,000 per year compared with \$100-300,000 per intermittent NHA project
- Regular NHA estimation is usually cheaper
 - Methods rely more on use of routine, existing data than special data collections/surveys (e.g., no dedicated household surveys)
 - Respondent cooperation better
 - Continuous process allows for incremental reduction in cost of methods
 - No need for repeated development of methods
 - Easier to retain human resources/technical capacity

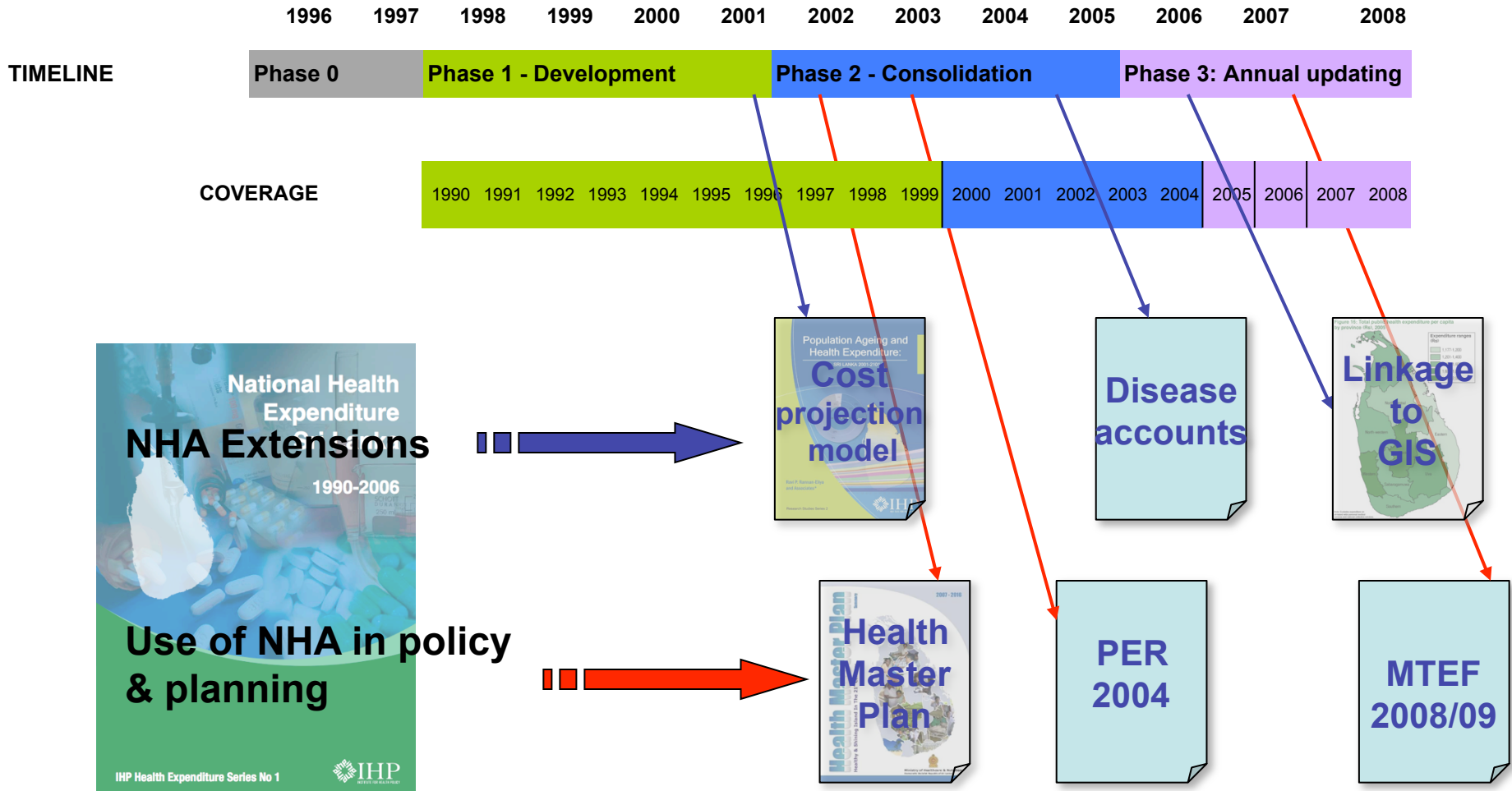
2. Better quality of estimates

- Estimates more likely to be consistent in methodology across time
 - Especially for private spending
 - Greater reliance on non-survey methods
- Potential for incremental improvements in quality of methods
- Increased retention of technical staff and learning-by-doing

3. Uses of NHA data and estimates

- Regular production allows monitoring of trends in expenditure
 - Usually more important to policy-makers
- Increases familiarity of policy-makers and users with NHA
- Technical capacity associated with institutionalized NHA more likely to be able to undertake secondary analyses
 - But may depend on competencies of NHA unit and its location

Institutionalization: Sri Lanka Timeline



Some conclusions

- Institutionalization's main benefits are better quality, lower cost estimates
- If institutionalization is within a technical agency with health systems research skills, then more likely to obtain added value
- Improving NHA systems and use is a long-term process

Thank you