

Health Expenditures and Ageing in Selected Asian Countries

Naohiro Ogawa

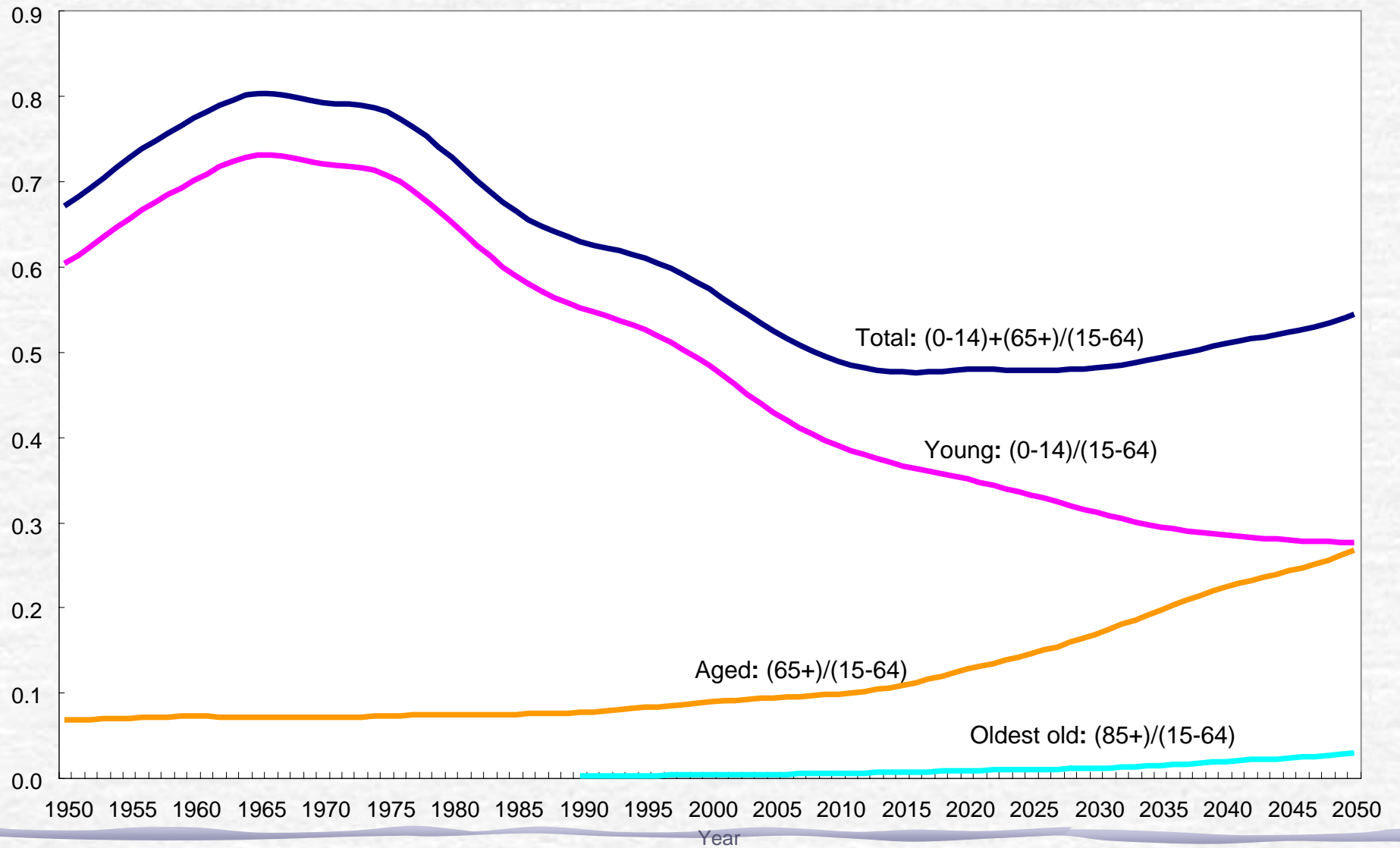
Rikiya Matsukura

An-Chi Tung

Amonthep Chawla

Expert Group Meeting on Population Ageing, Intergenerational
Transfers and Social Protection, UN-ECLAC, Santiago, Chile,
20-21 October 2009

Figure 2. **Changes in dependency ratio for Asia as a whole, 1950-2050**



Source: United Nations, Department of Economic and Social Affairs, Population Division, *World Population Prospects: The 2008 Revision*, New York, 2009 (advanced Excel tables).

Table 2. Timing and duration of the first demographic dividend in selected Asian countries

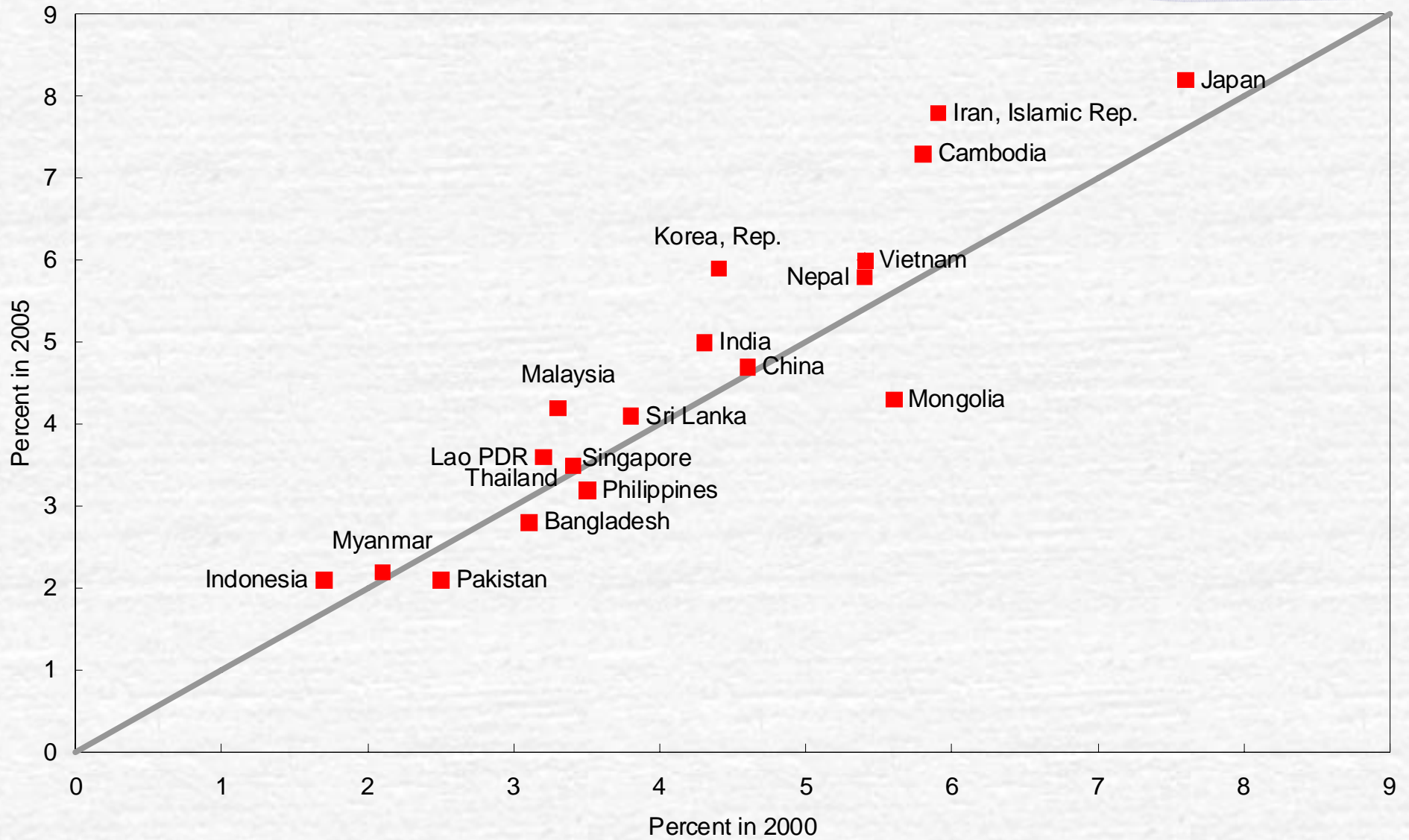
Country	First demographic dividend		
	Beginning year	Ending year	Duration (years)
Bangladesh	1983	2035	52
Cambodia	1982	2042	60
China	1973	2017	44
India	1973	2044	71
Indonesia	1977	2028	51
Korea, Republic of	1966	2013	47
Lao People's Democratic Republic	1987	2049	62
Malaysia	1969	2040	71
Mongolia	1990	2025	35
Philippines	1970	2048	78
Singapore	1967	2004	37
Thailand	1971	2013	42
Viet Nam	1981	2023	42



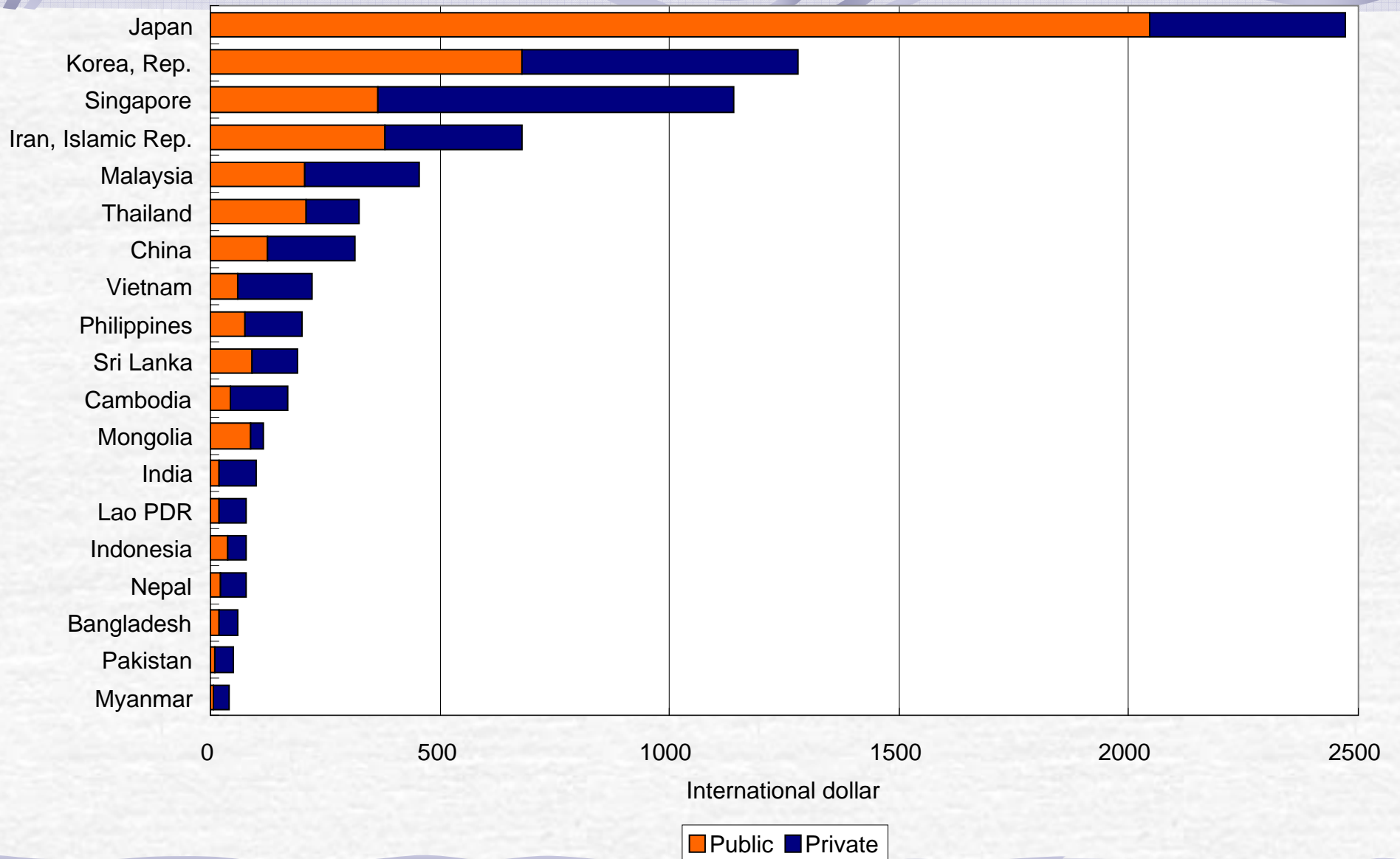
Recent trends of health expenditure in ageing Asia



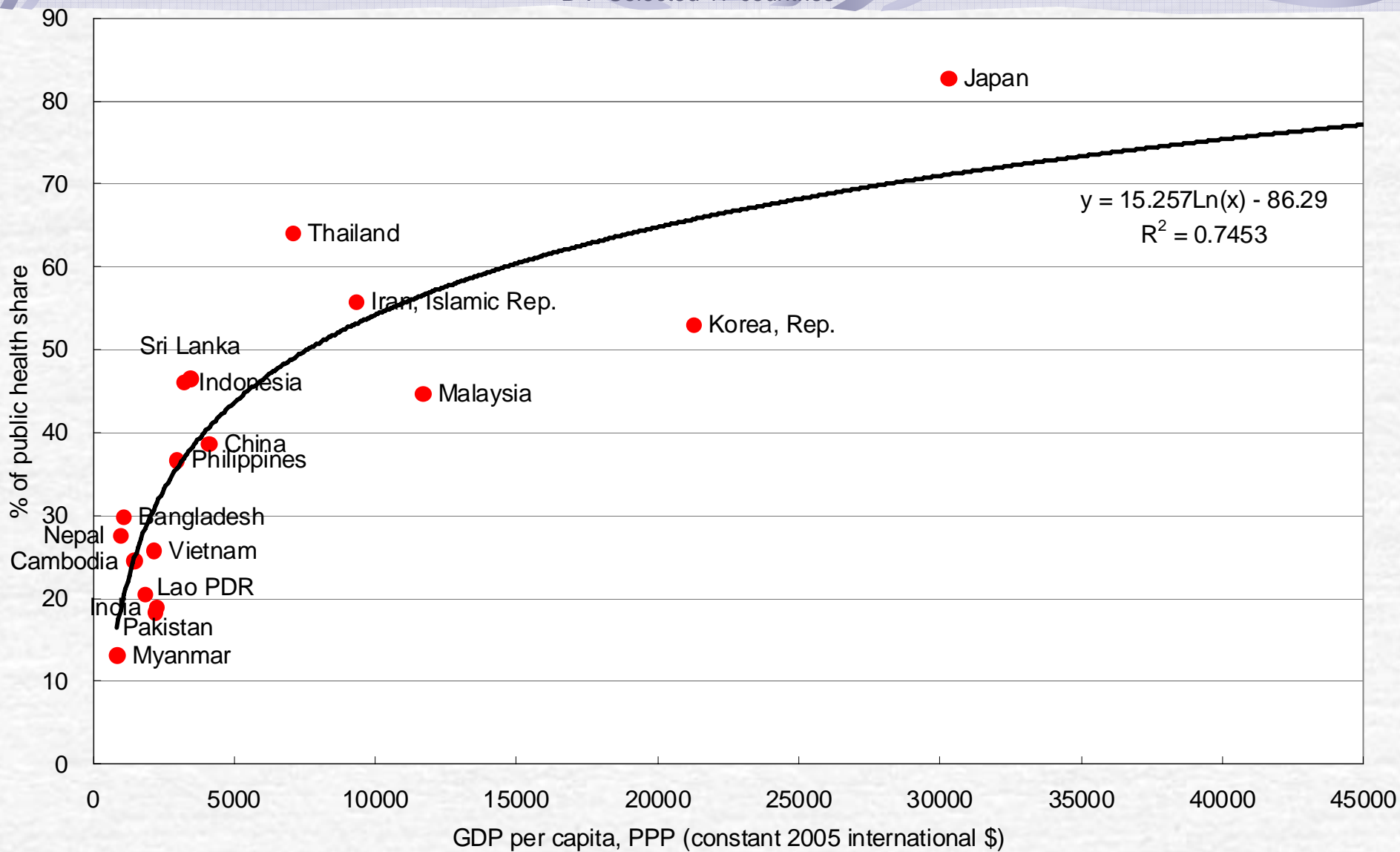
Figure 4. Change in the total health expenditure as a share of GDP during the period 2000-2005



Health expenditure by the sector in 2005



B : Selected 17 countries

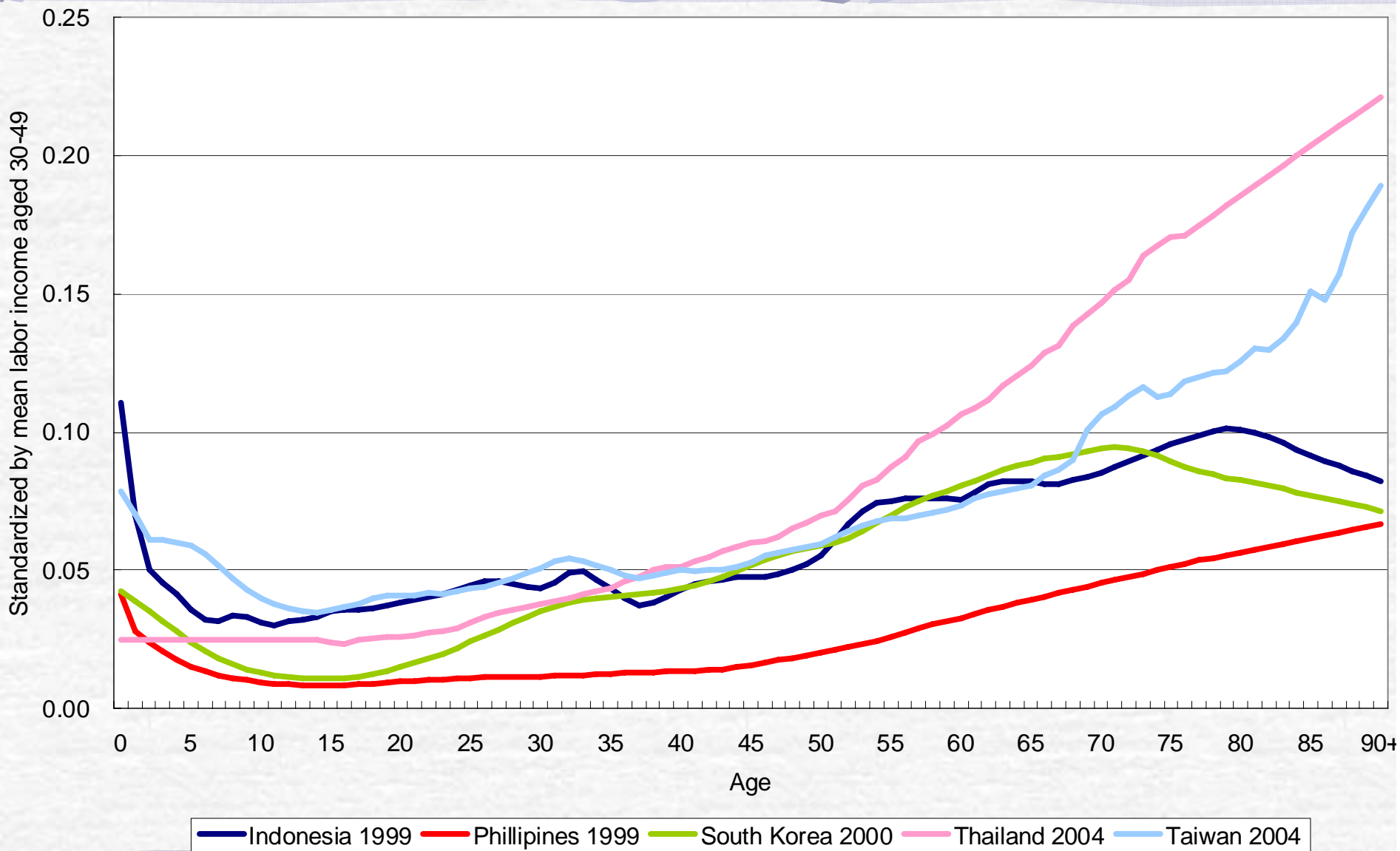




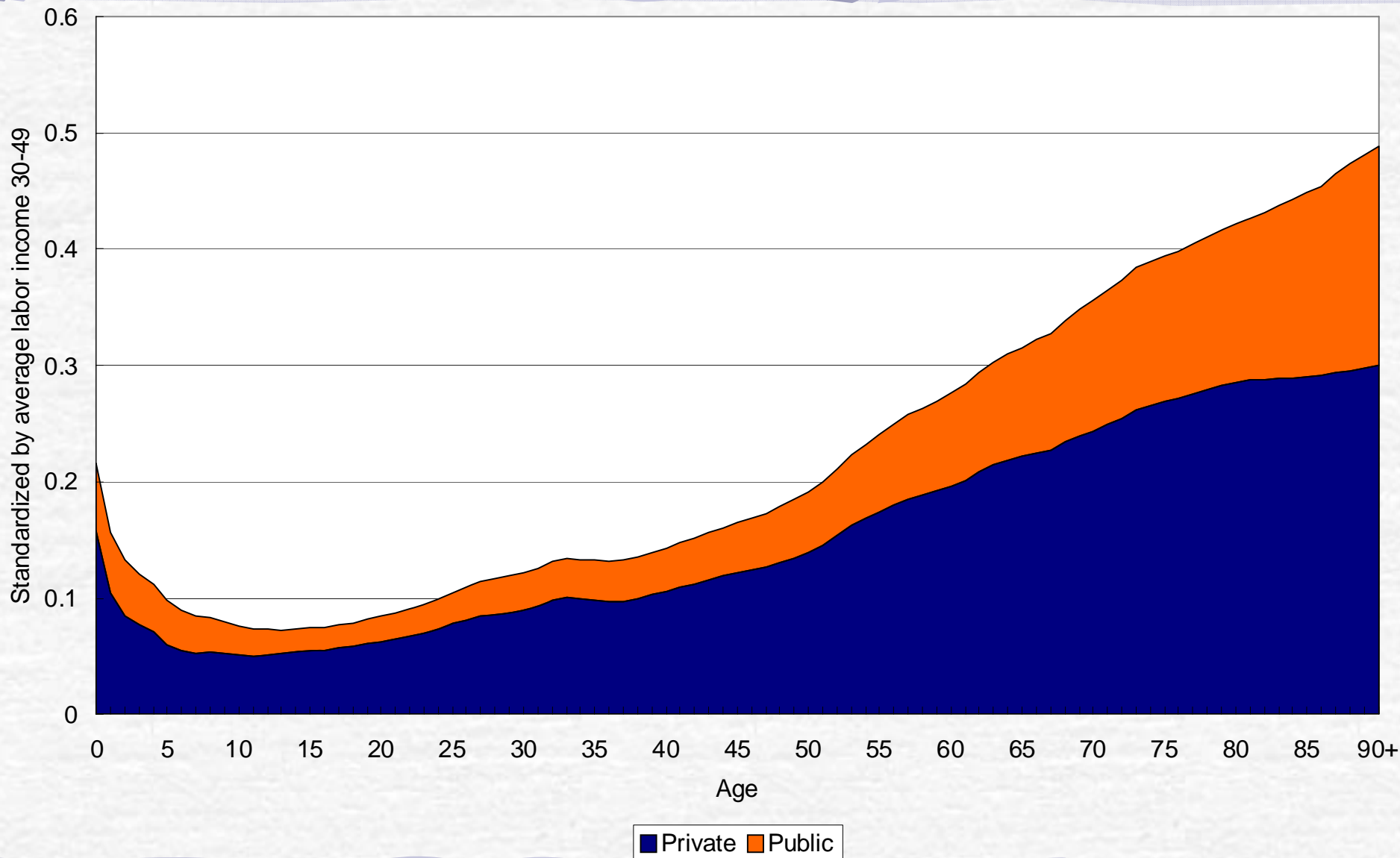
Healthcare costs in selected Asian countries



Figure 11. Age-specific profiles of per capita total health expenditure in five selected Asian countries



Age-specific profiles of per capita total health expenditure for five Asian countries combined

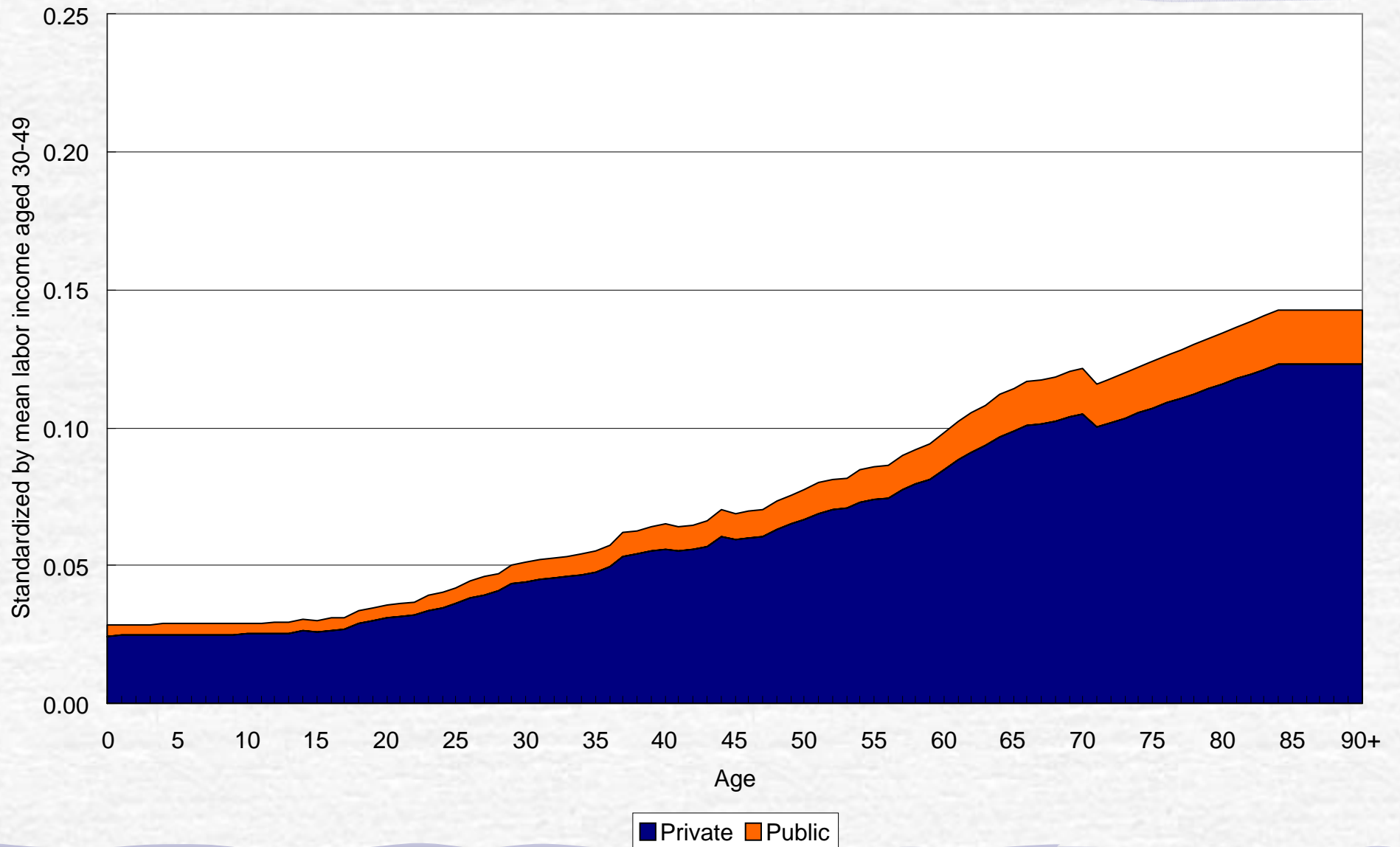




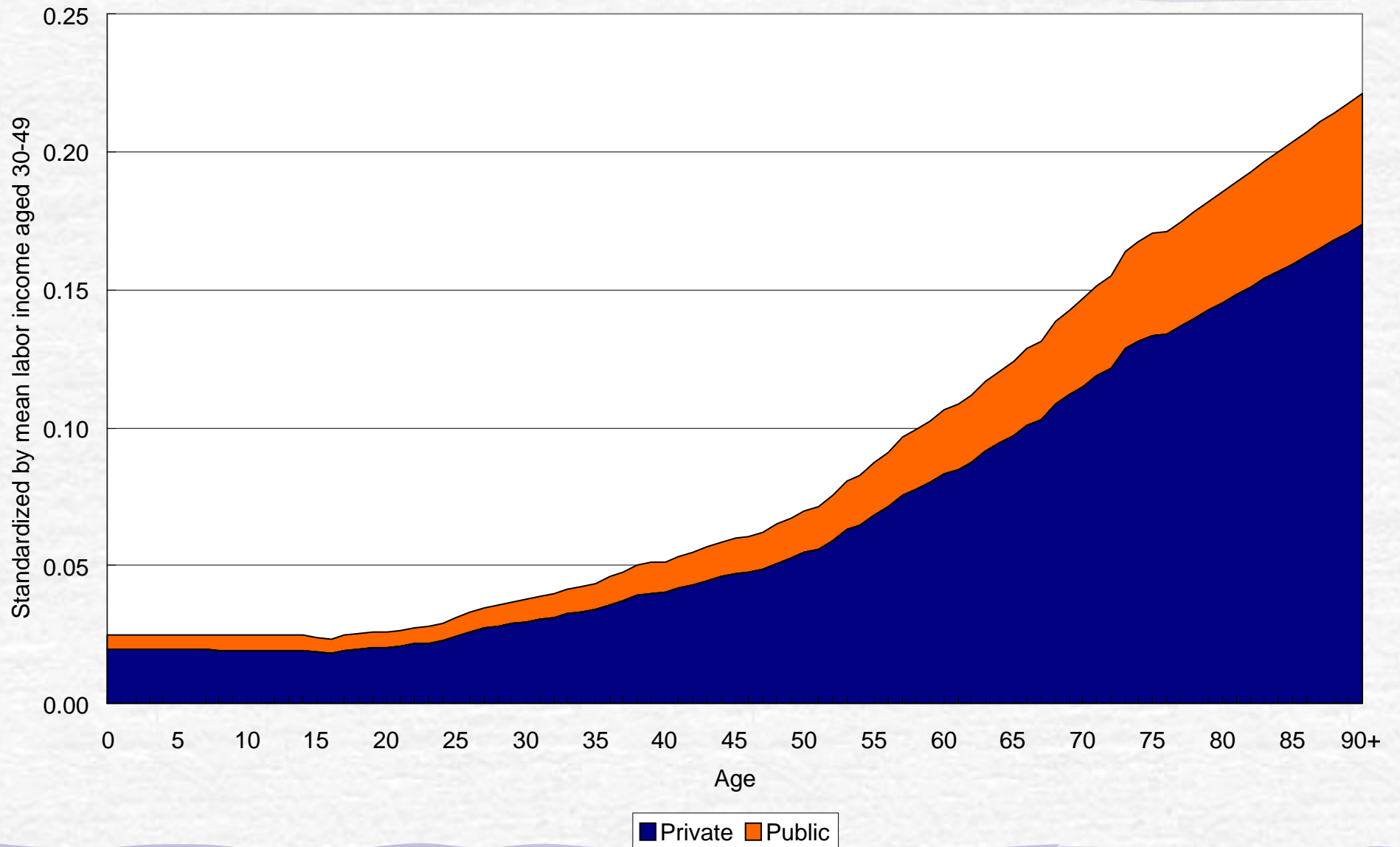
Thailand :
Per capita case



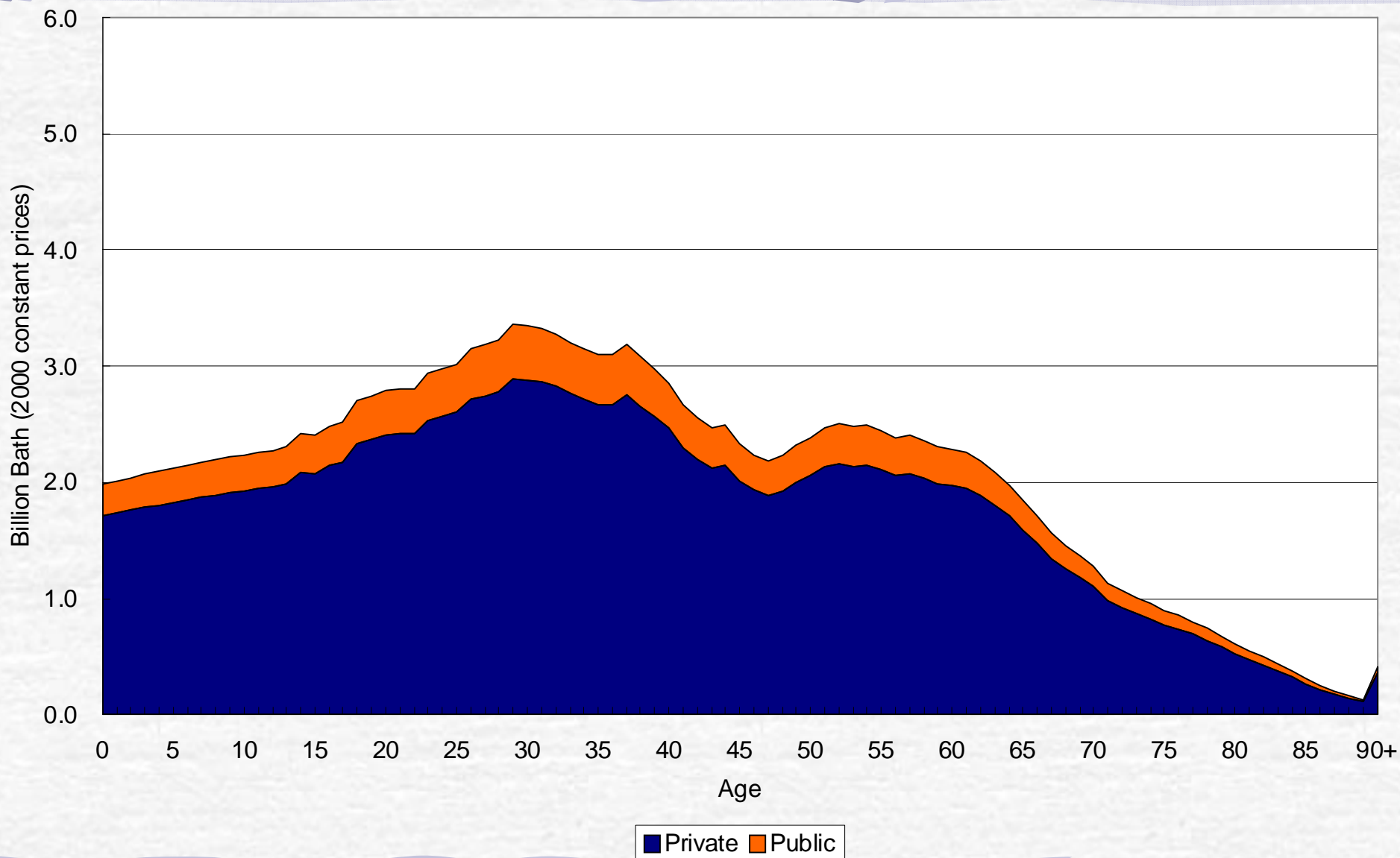
Per capita health consumption, Thailand, 1990



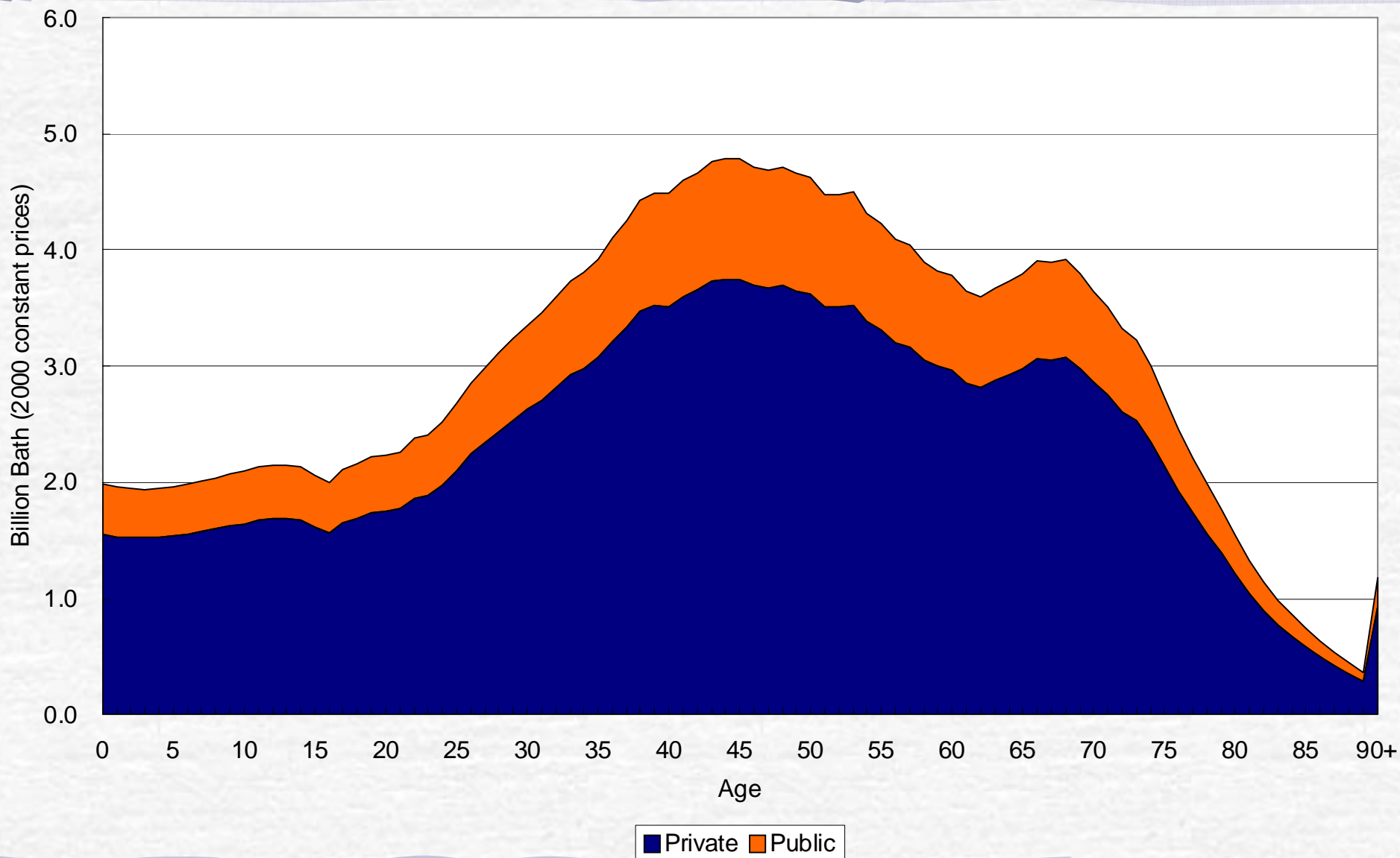
Per capita health consumption, Thailand, 2004



Aggregate health consumption, Thailand, 1990



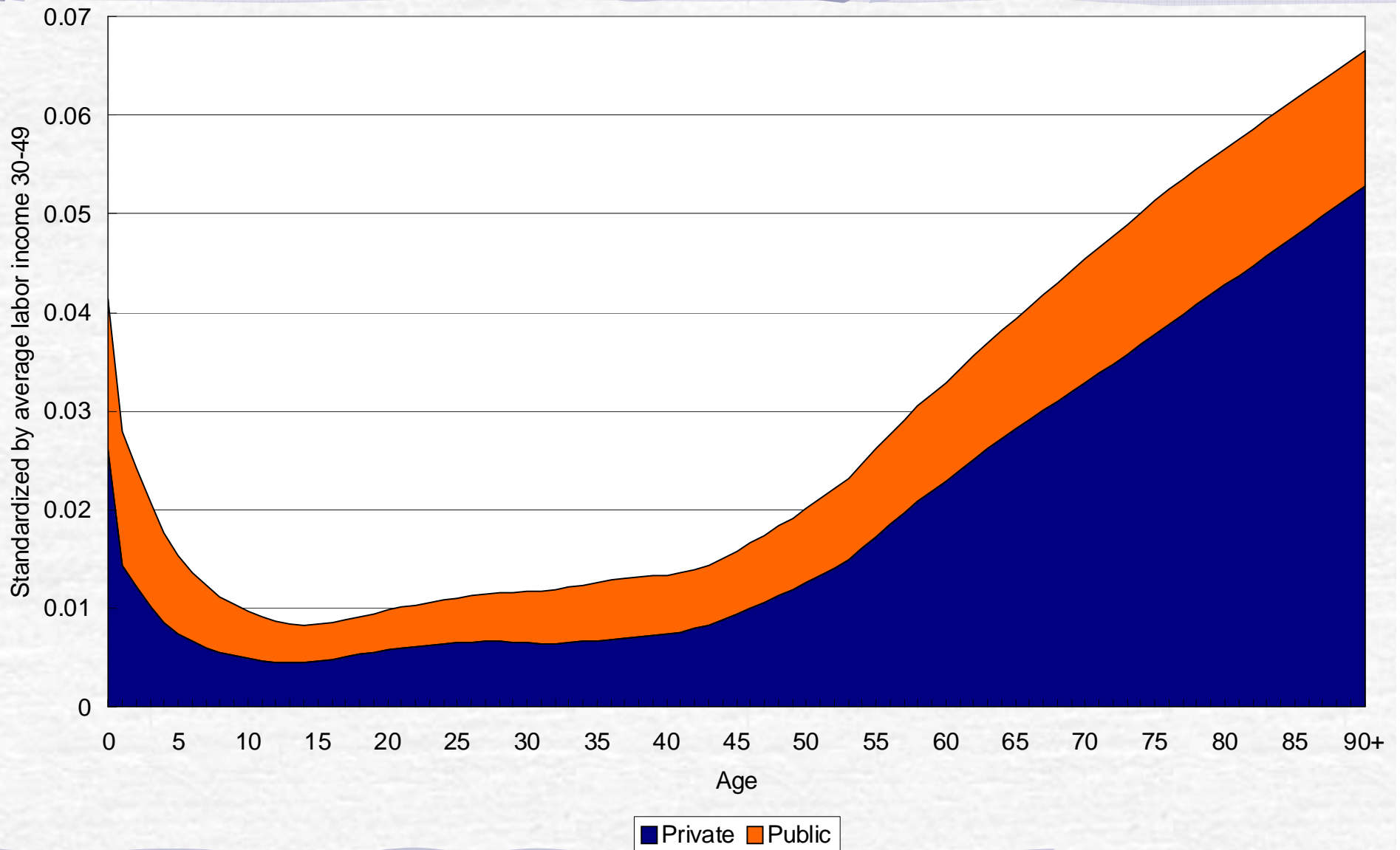
Aggregate health consumption, Thailand, 2004



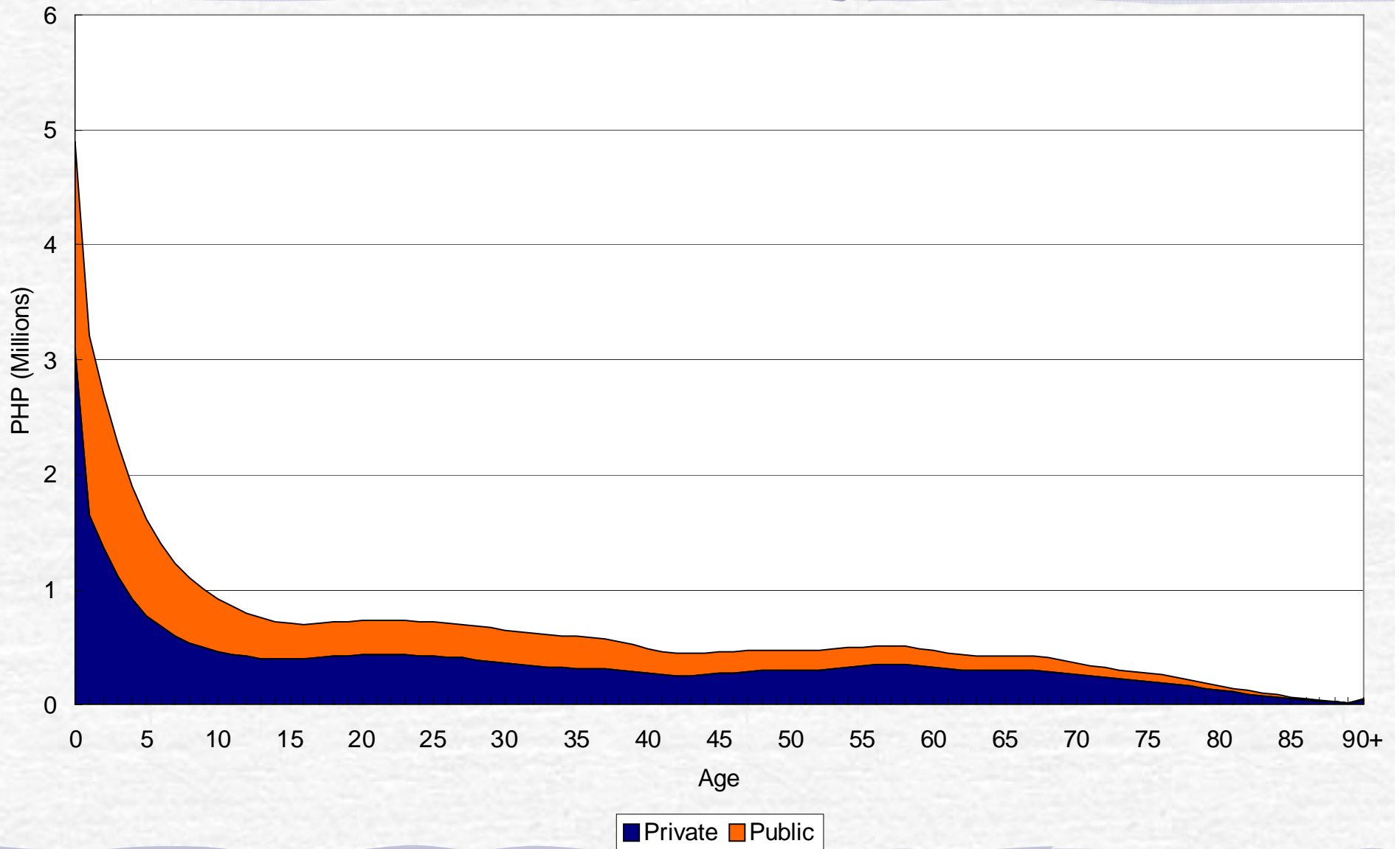


Other Asian countries

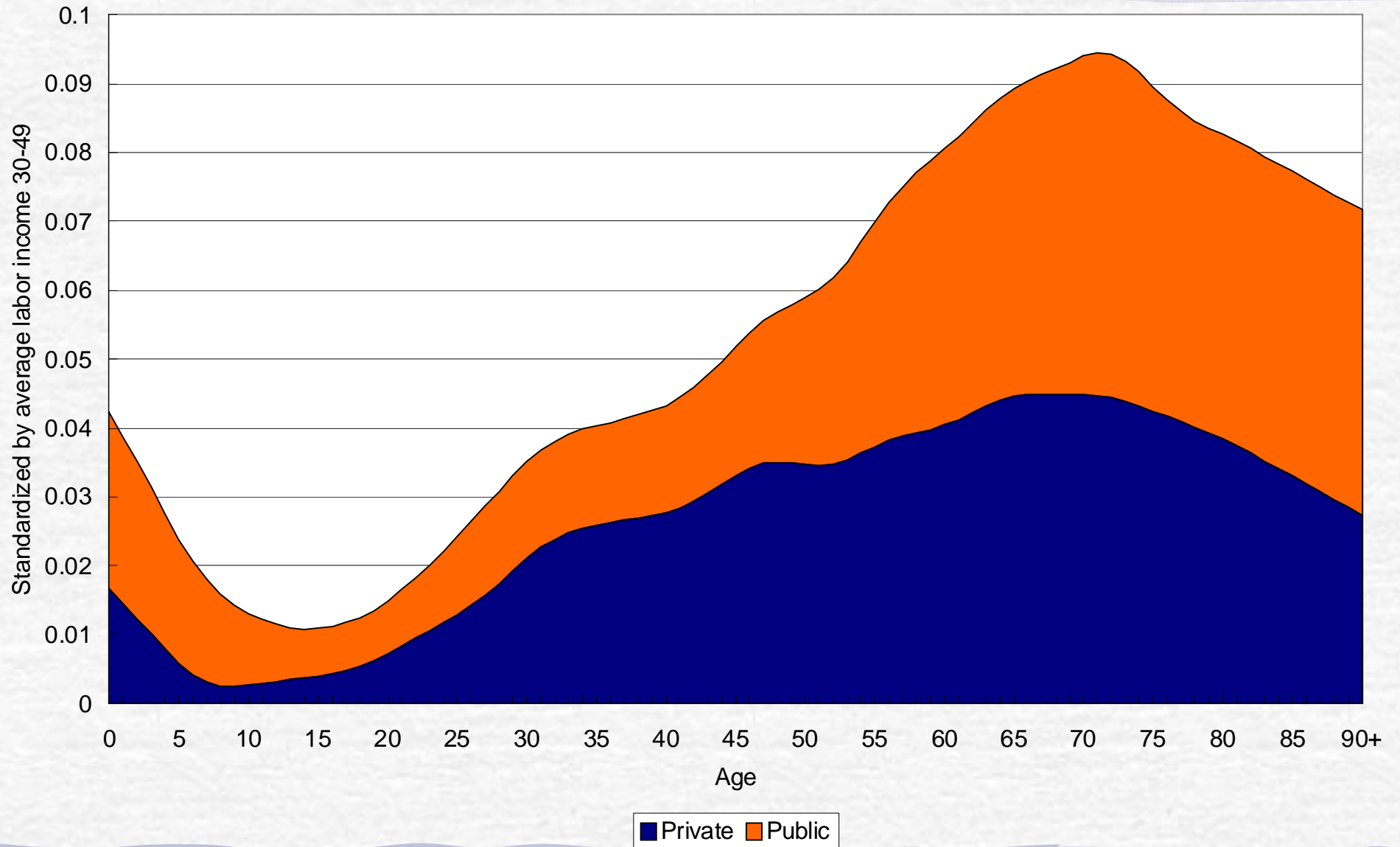
Per capita health consumption, Philippines, 1999



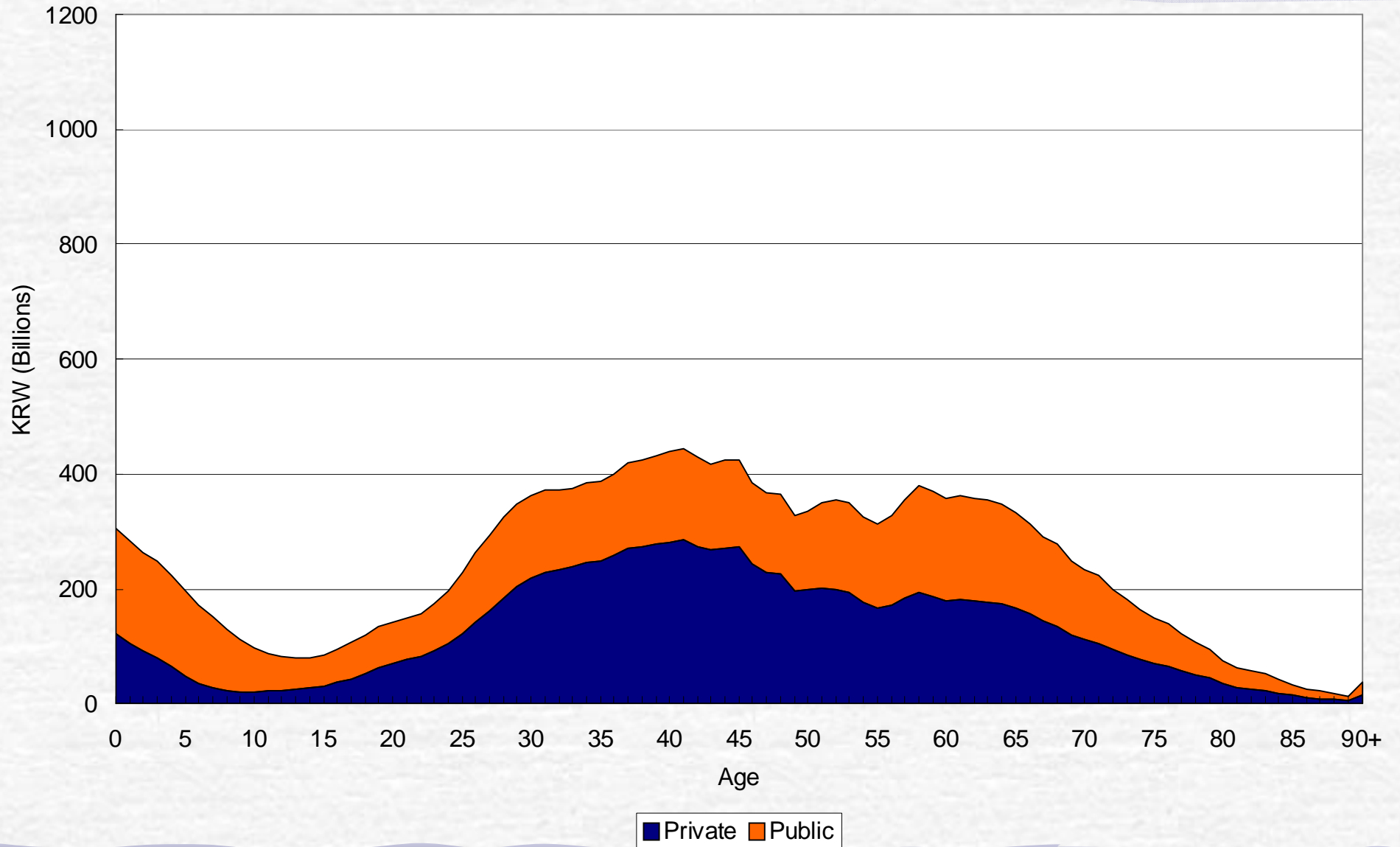
Aggregate health consumption, Philippines, 1999



Per capita health consumption, Republic of Korea, 2000



Aggregate health consumption, Republic of Korea, 2000

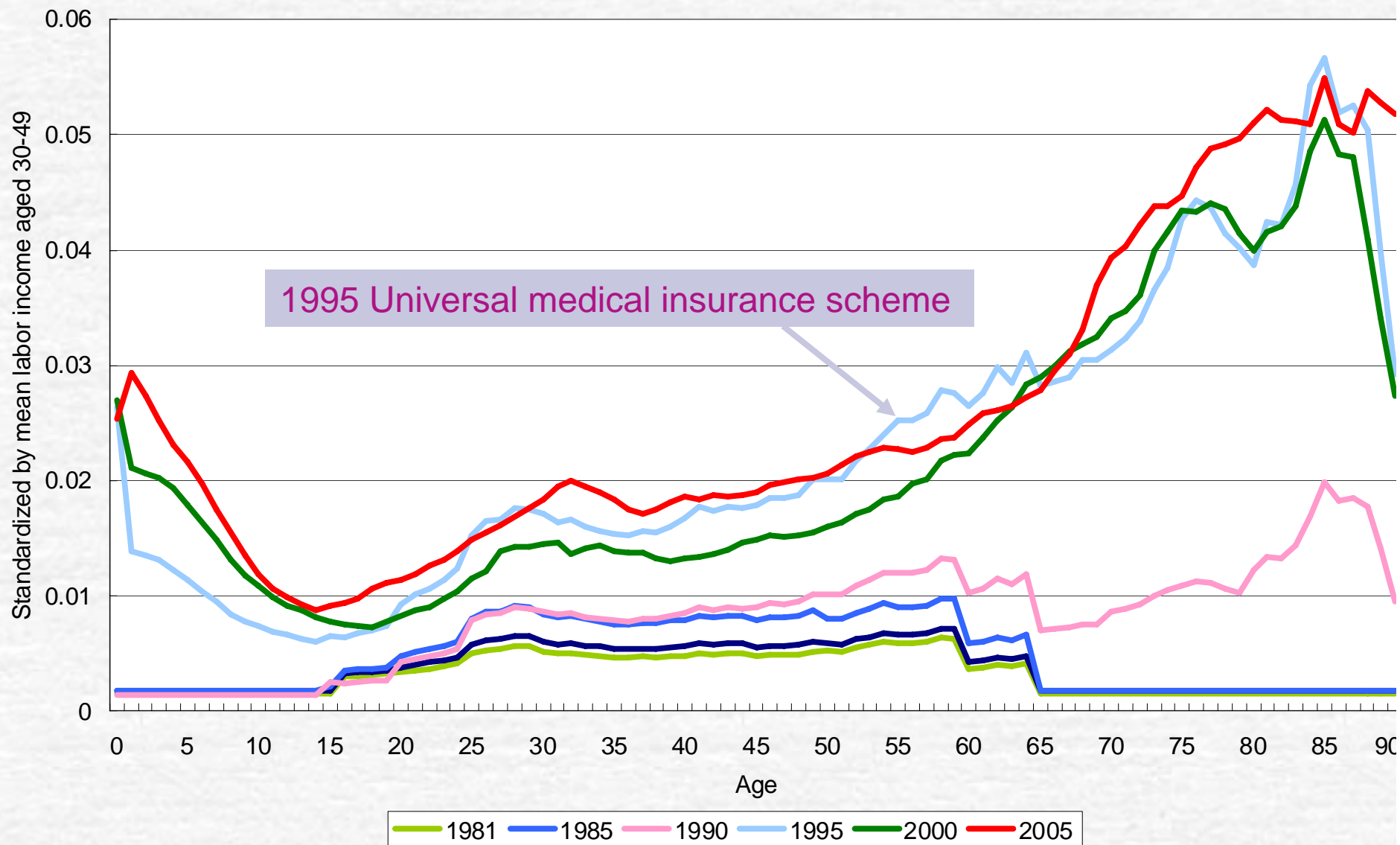




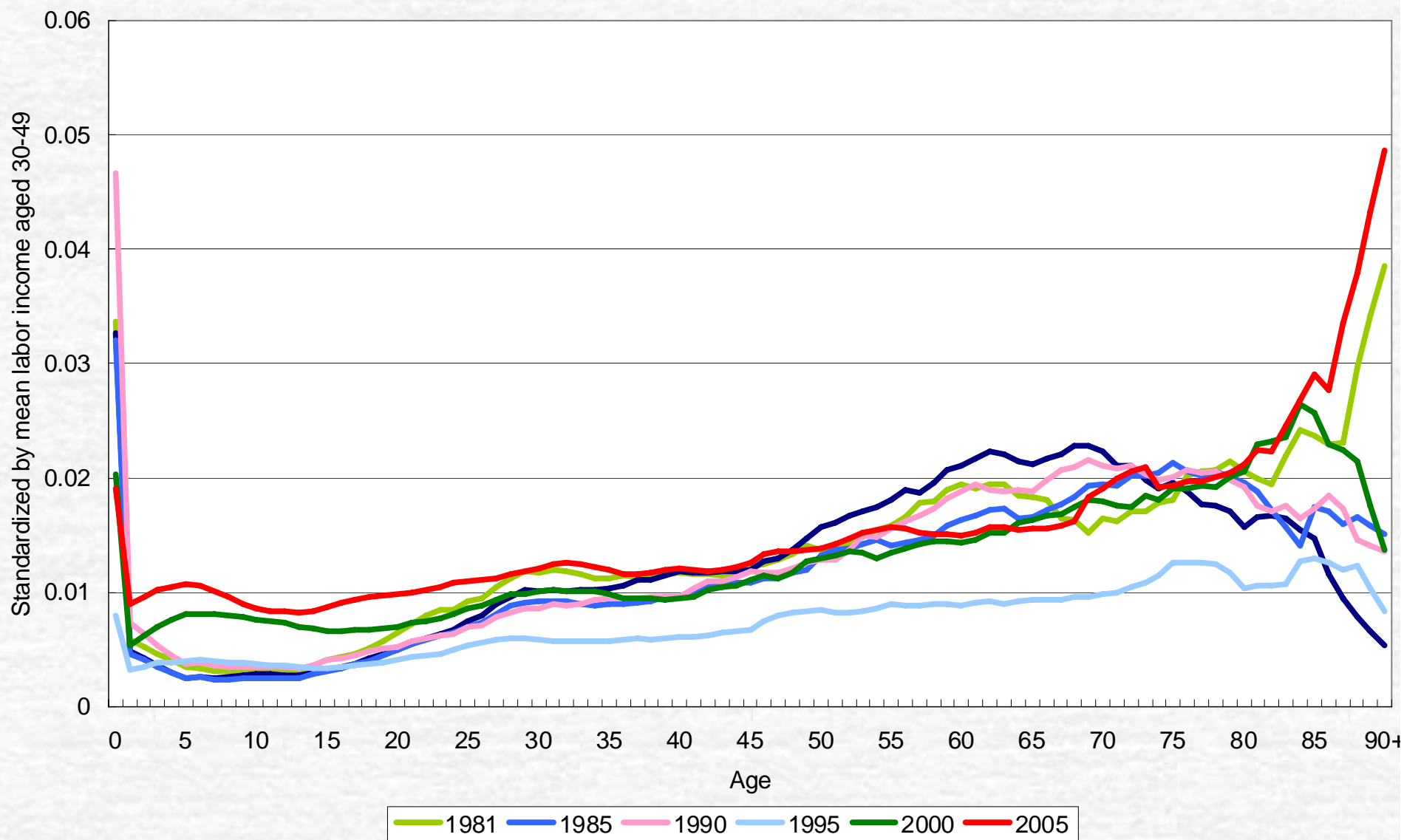
**Taiwan Province of
China:
Per capita case**



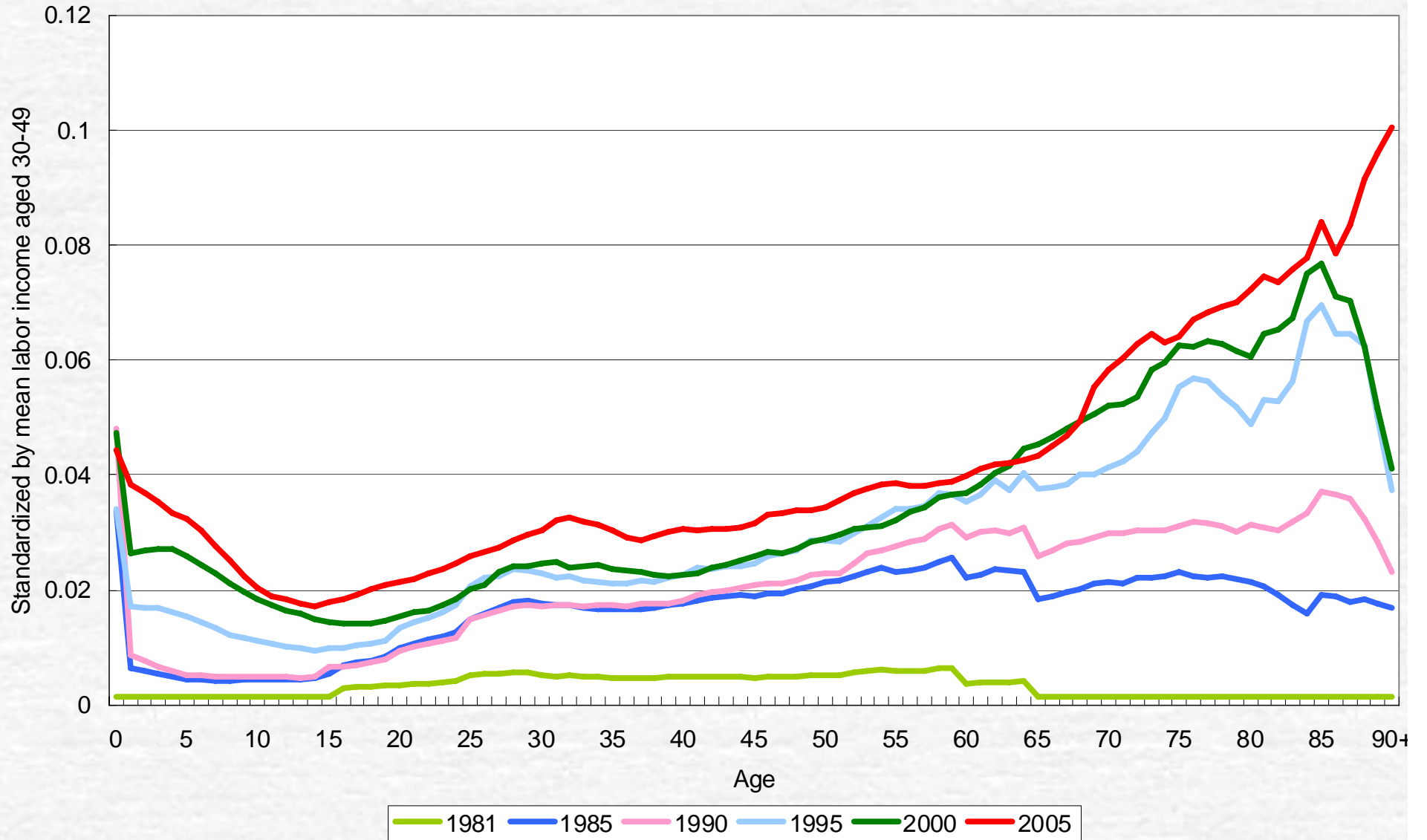
Per capita public health consumption profile



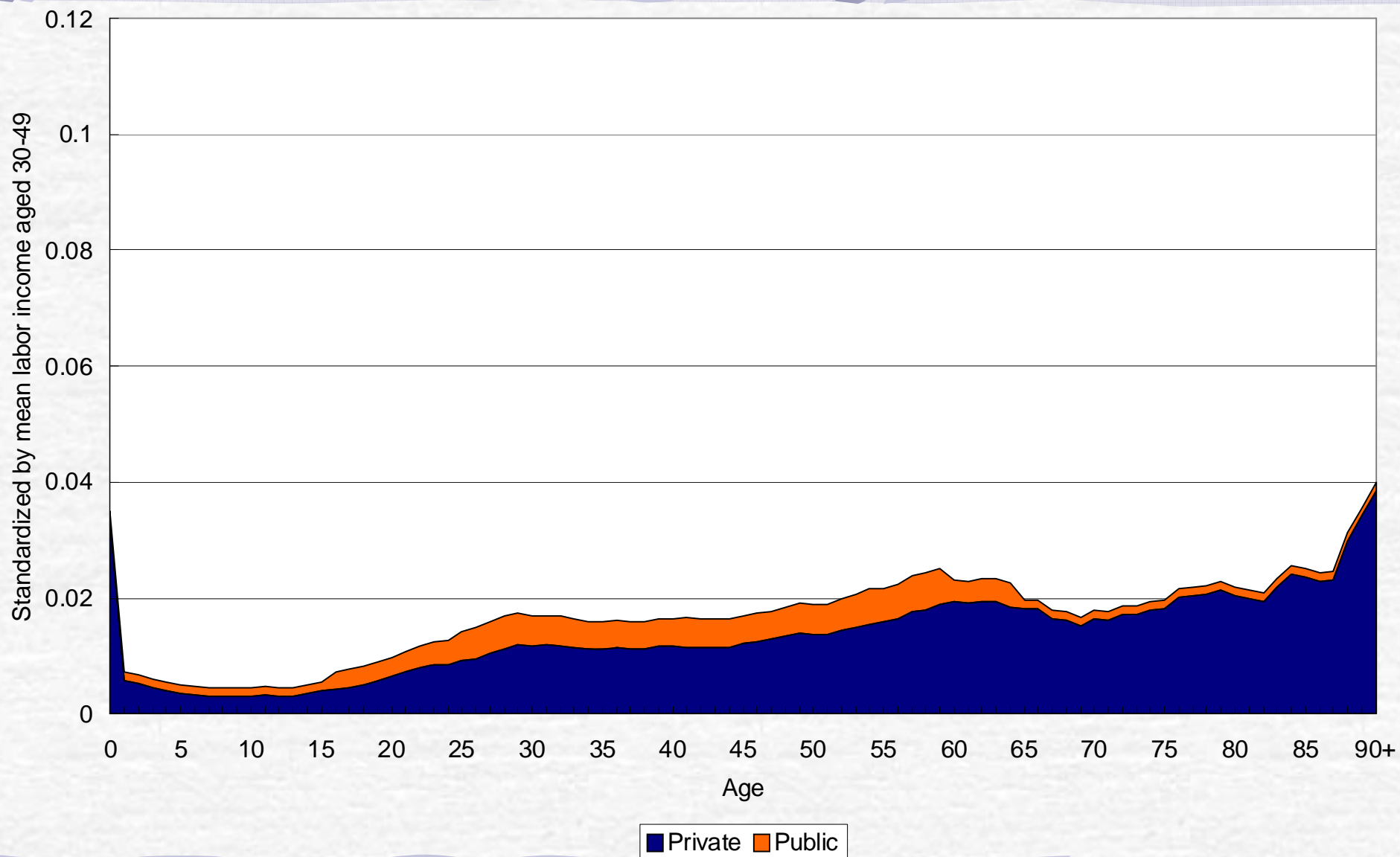
Per capita private health consumption profile



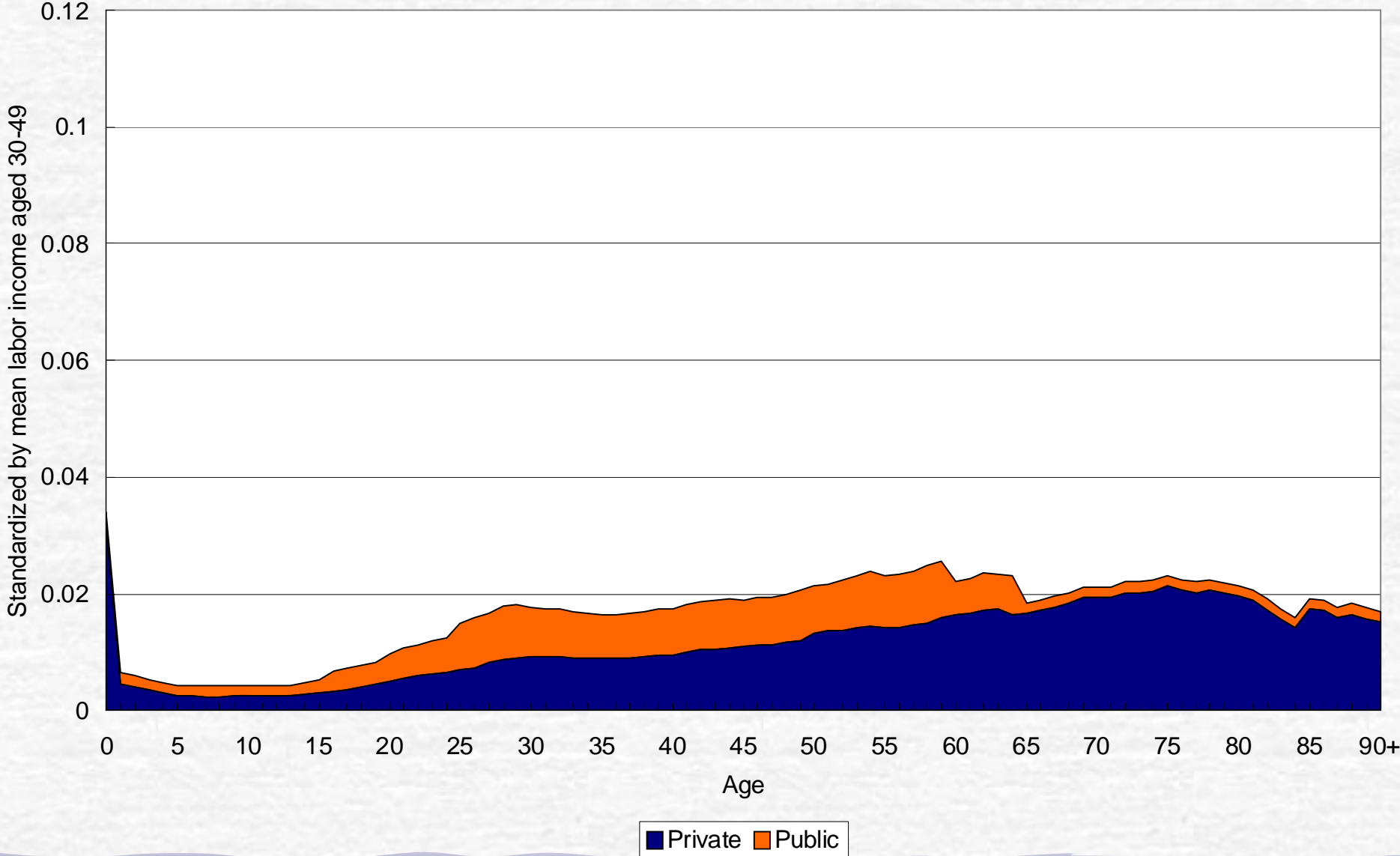
Per capita total health consumption profile



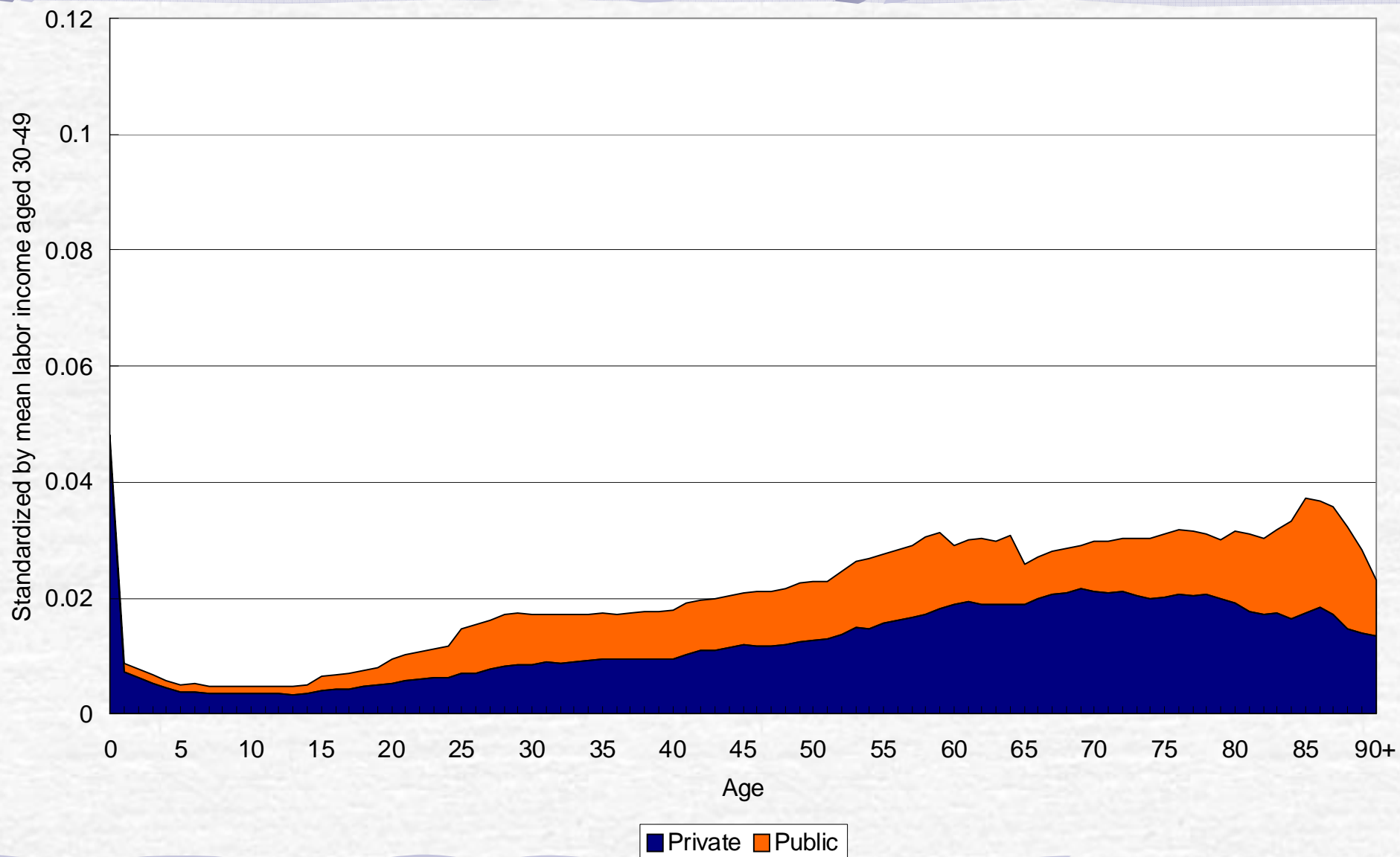
Per capita health consumption in Taiwan, 1981



Per capita health consumption in Taiwan, 1985



Per capita health consumption in Taiwan, 1990

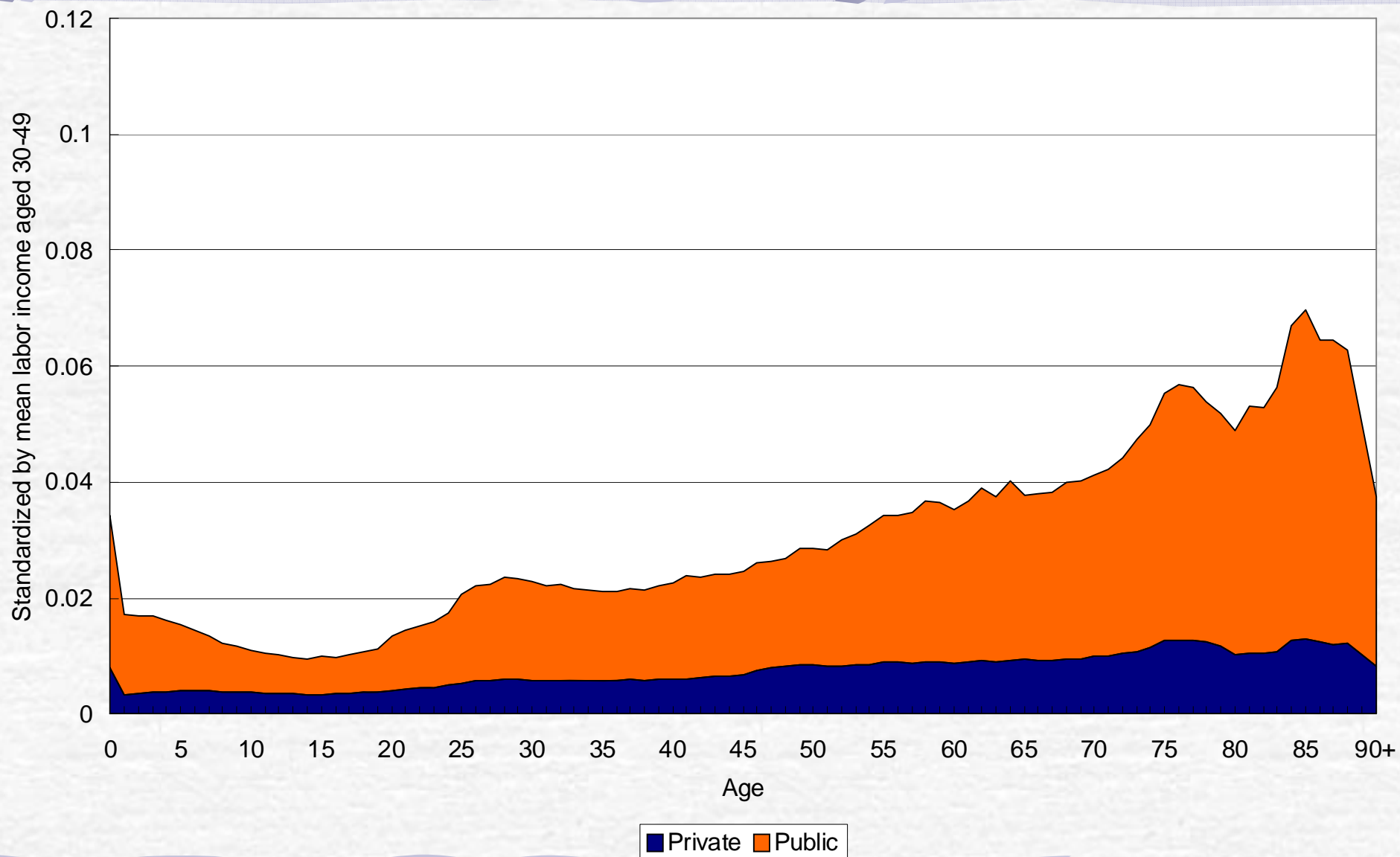




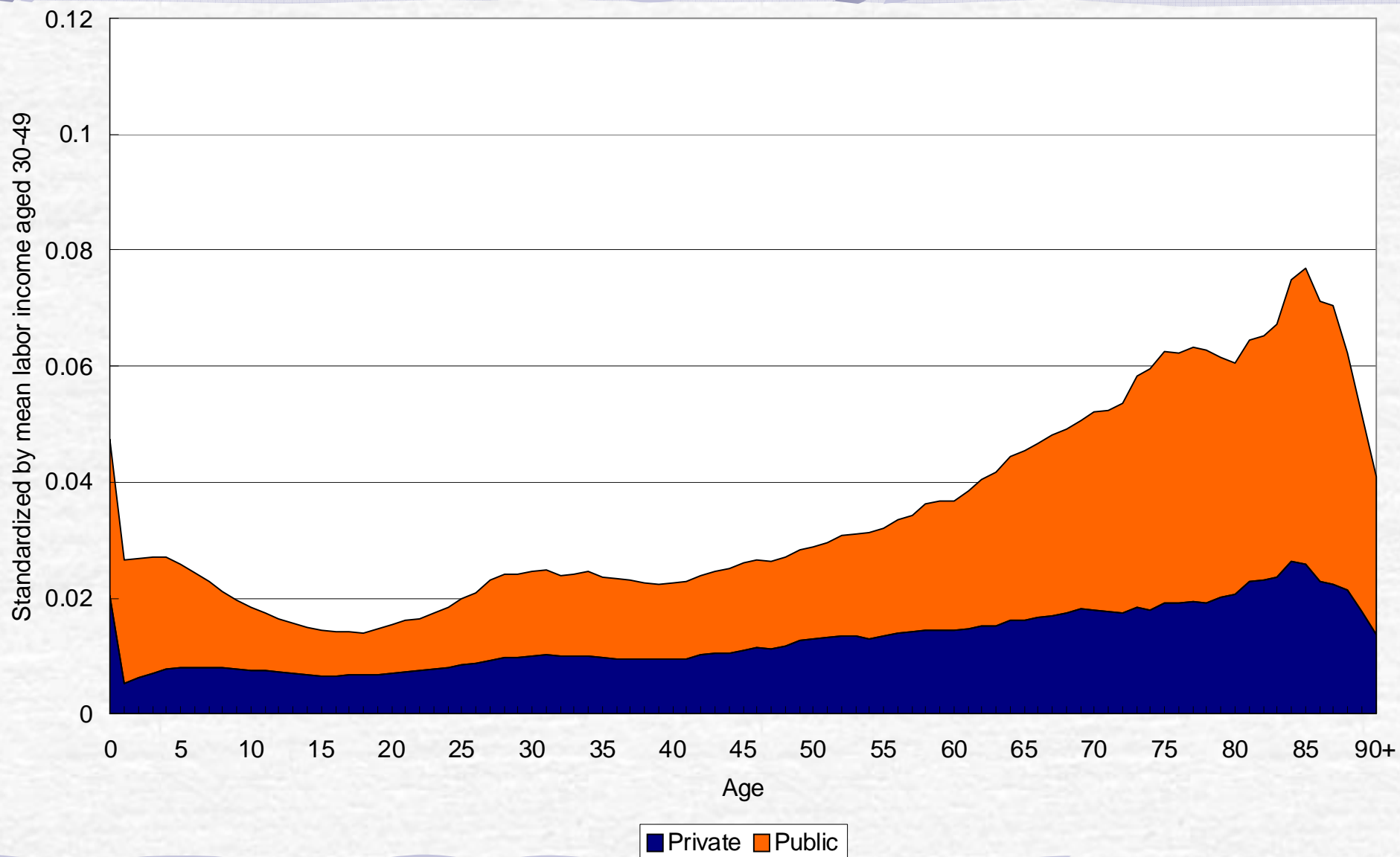
Major shift!



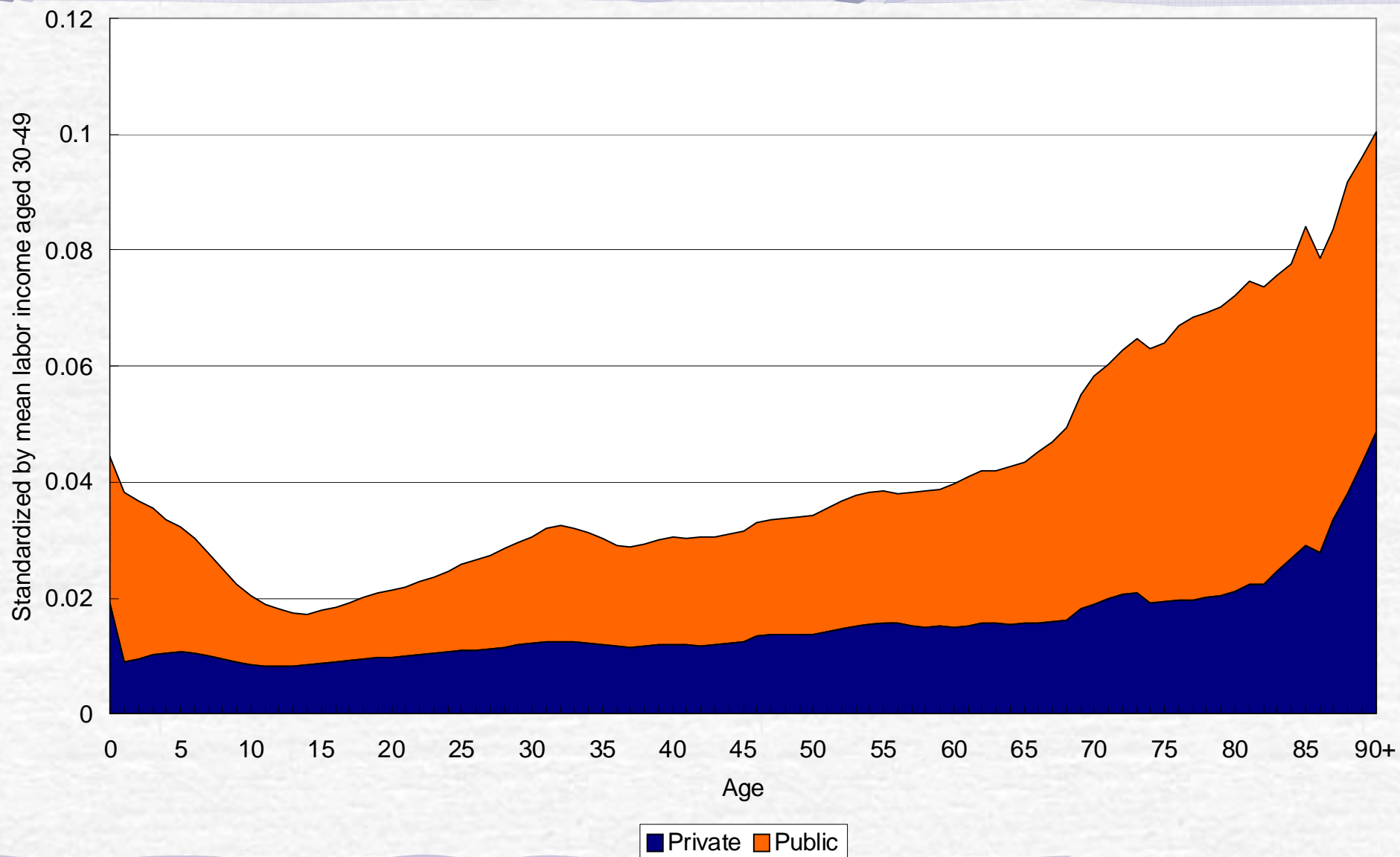
Per capita health consumption in Taiwan, 1995



Per capita health consumption in Taiwan, 2000



Per capita health consumption in Taiwan, 2005



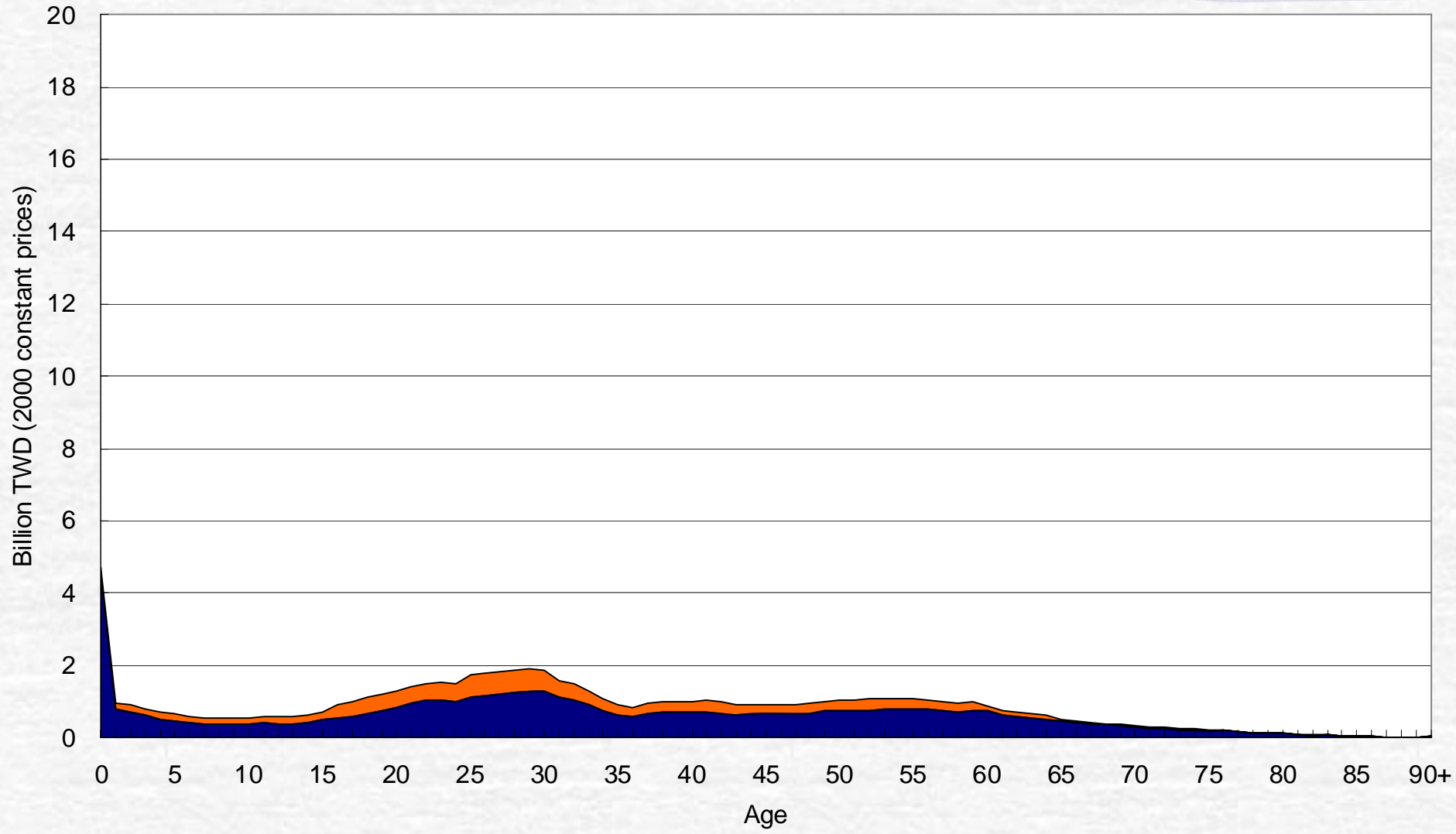


Taiwan Province of China:

**Aggregate case (total
population)**

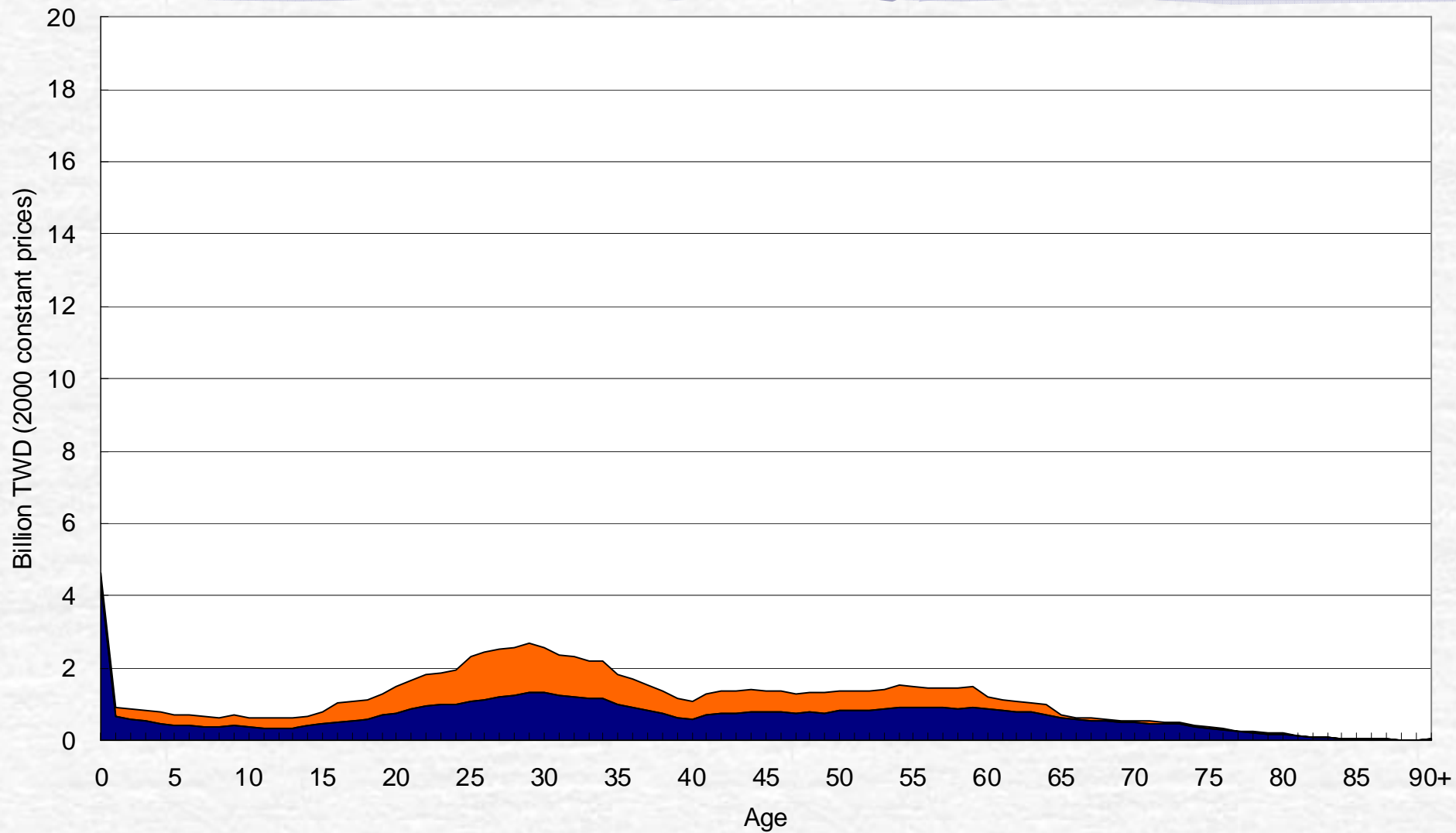


1981



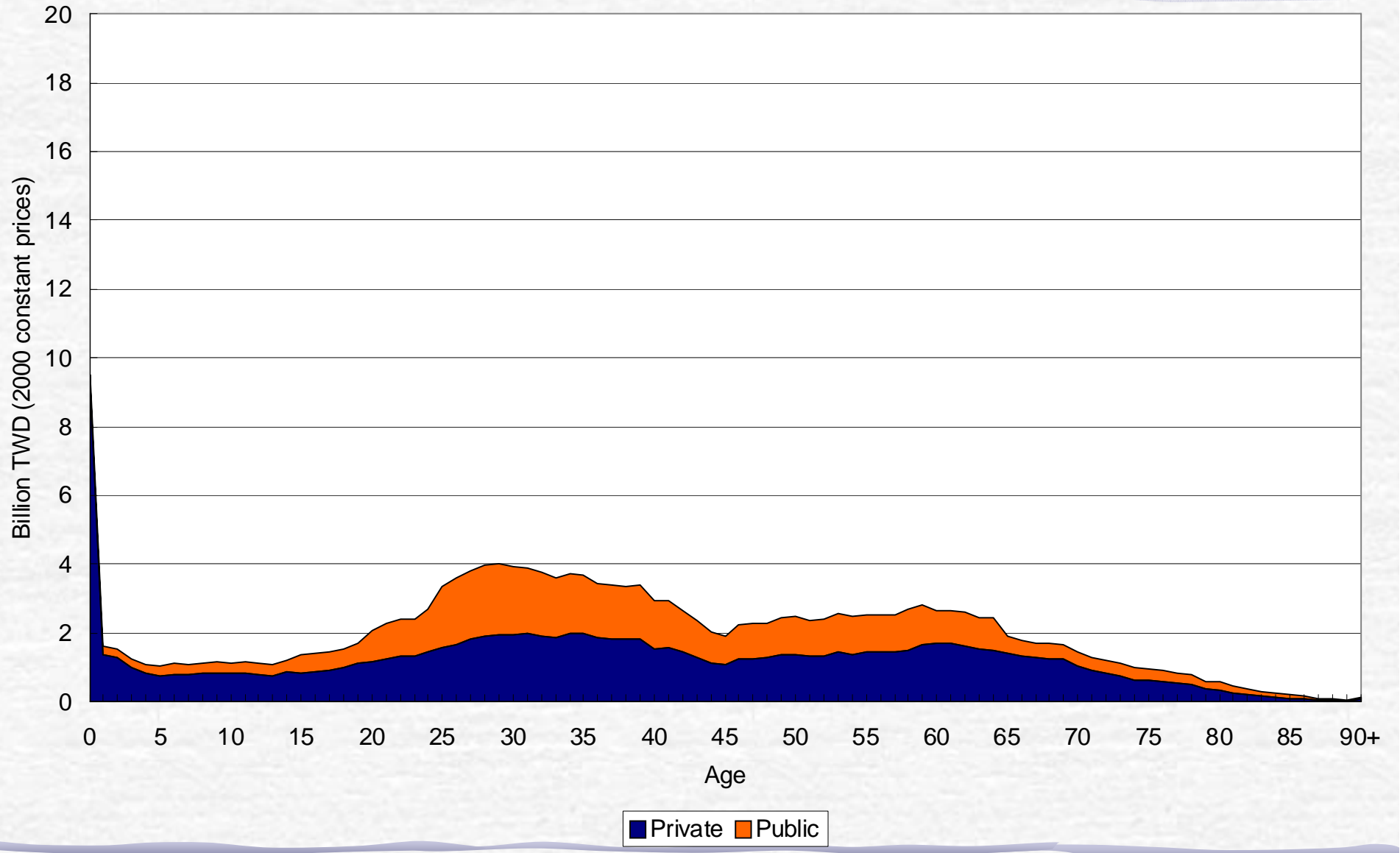
■ Private ■ Public

1985

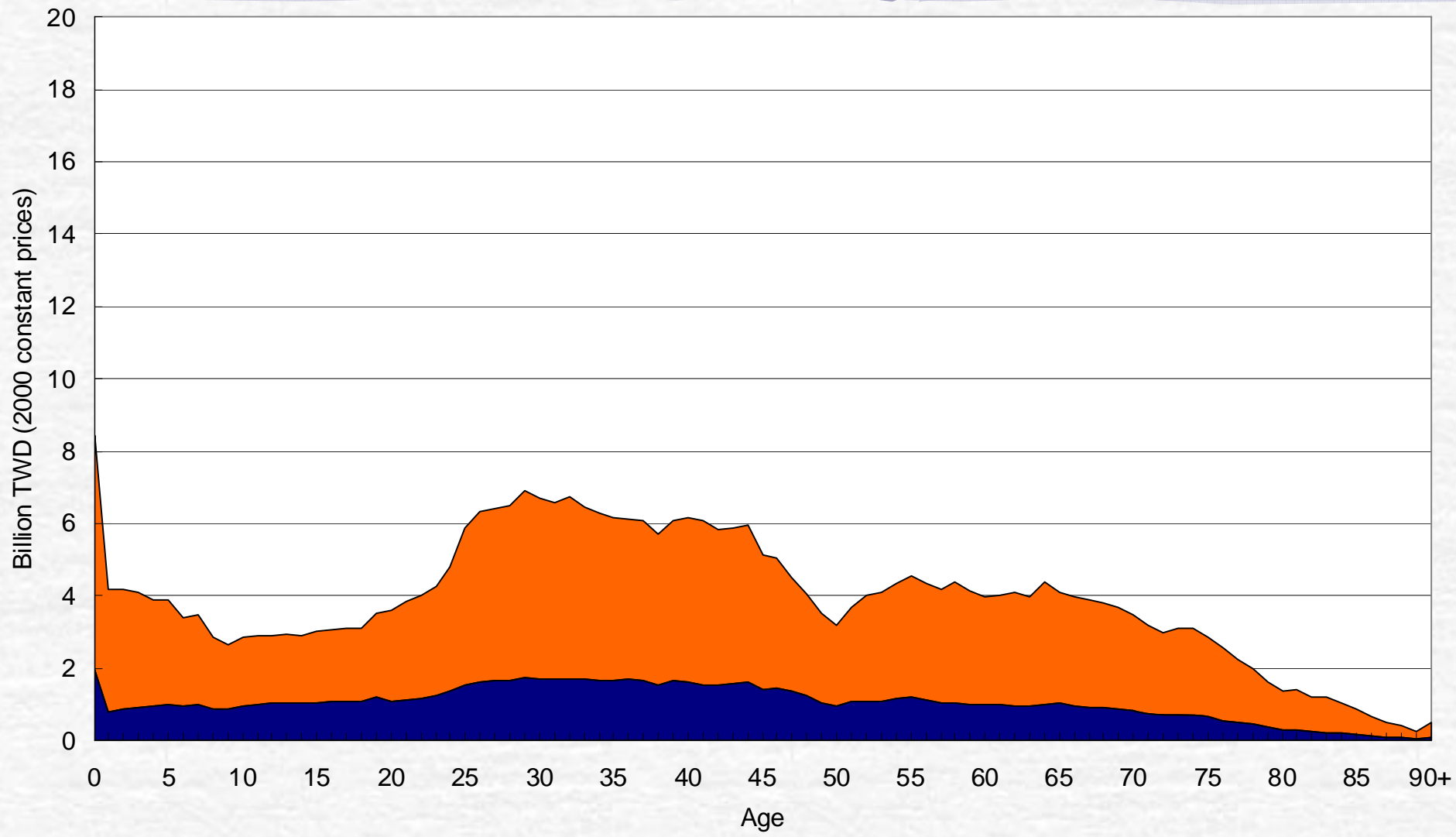


Private Public

1990

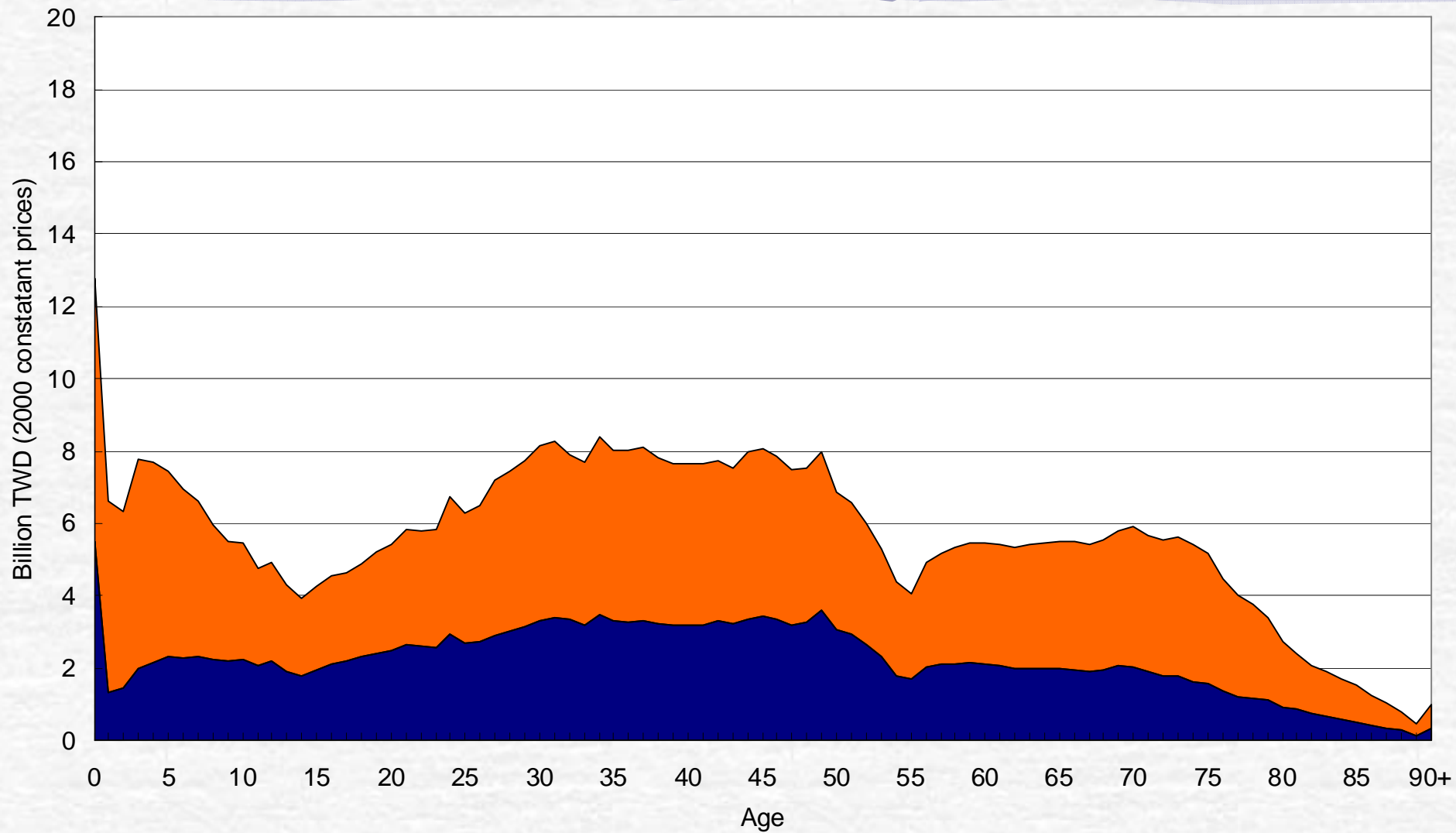


1995



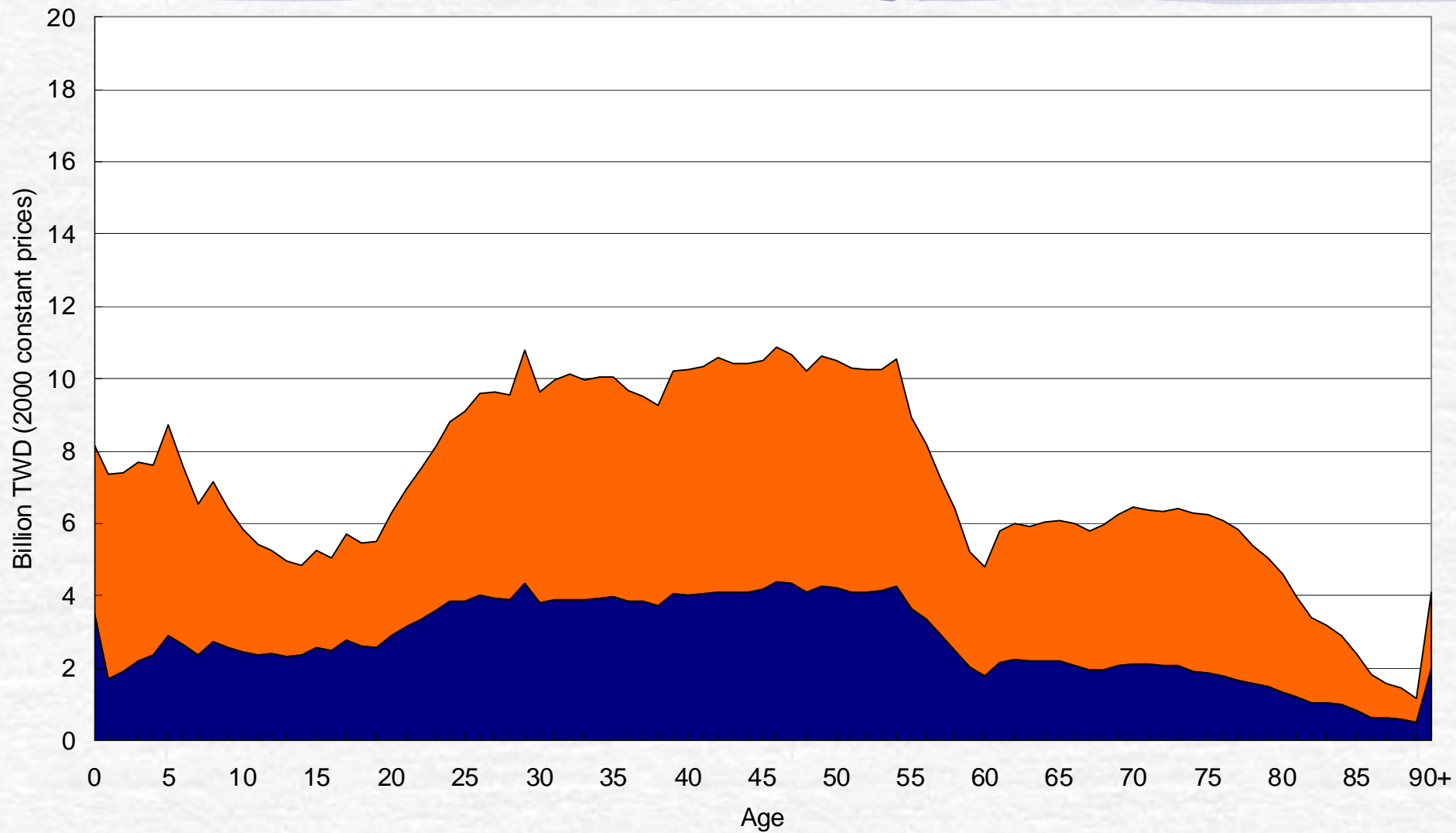
Private Public

2000



Private Public

2005



Private Public

Table 4. Aggregate health expenditure by age group

(unit: %)

Japan	1989		2004	
	Public	Private	Public	Private
0-19	67.1	32.9	70.1	29.9
20-64	60.7	39.3	61.3	38.7
65+	84.3	15.7	83.3	16.7
Total	68.7	31.3	73.2	26.8

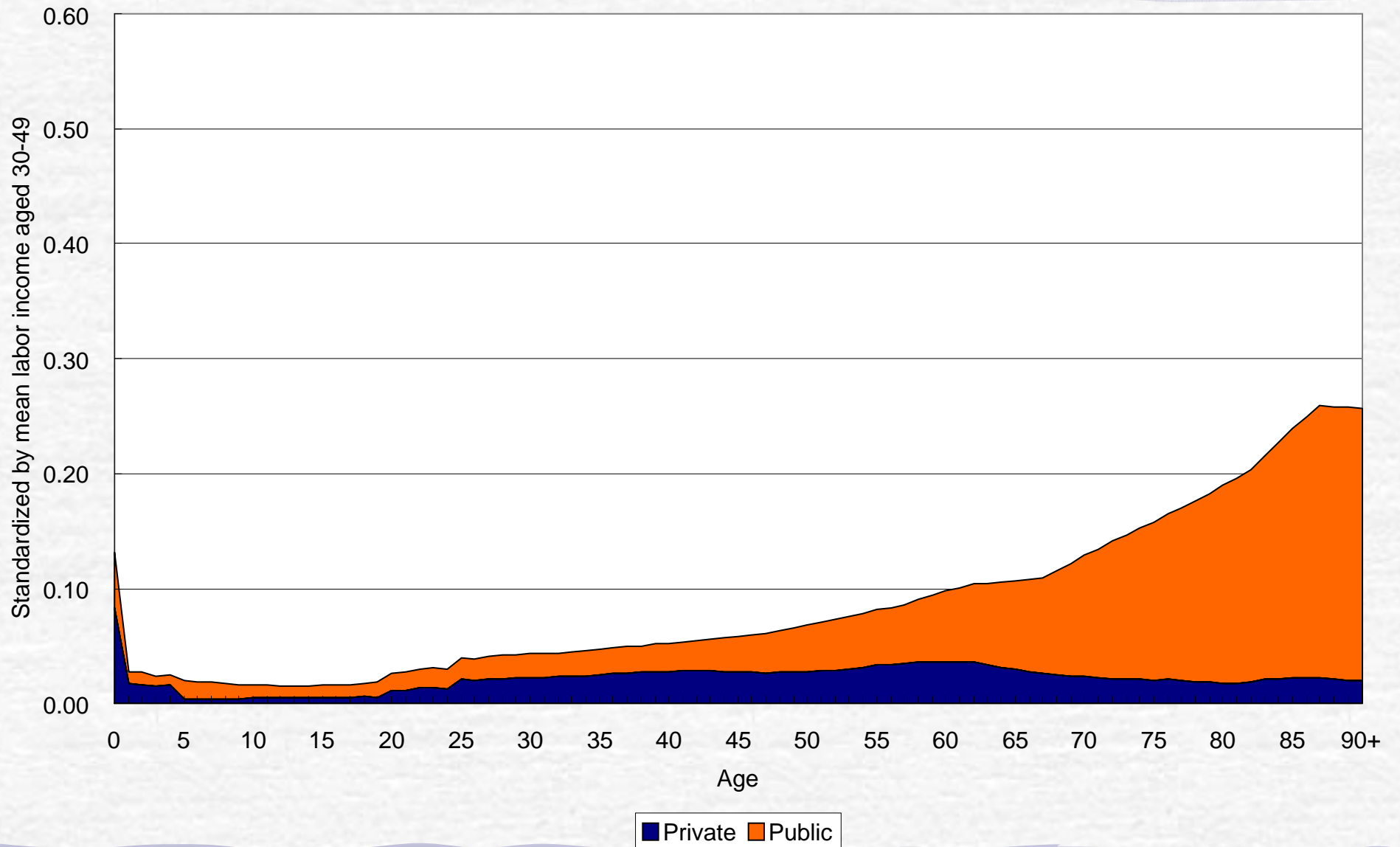
Taiwan	1990		2005	
	Public	Private	Public	Private
0-19	44.5	55.5	63.6	36.4
20-64	37.3	62.7	58.6	41.4
65+	39.8	60.2	67.8	32.2
Total	39.5	60.5	61.4	38.6



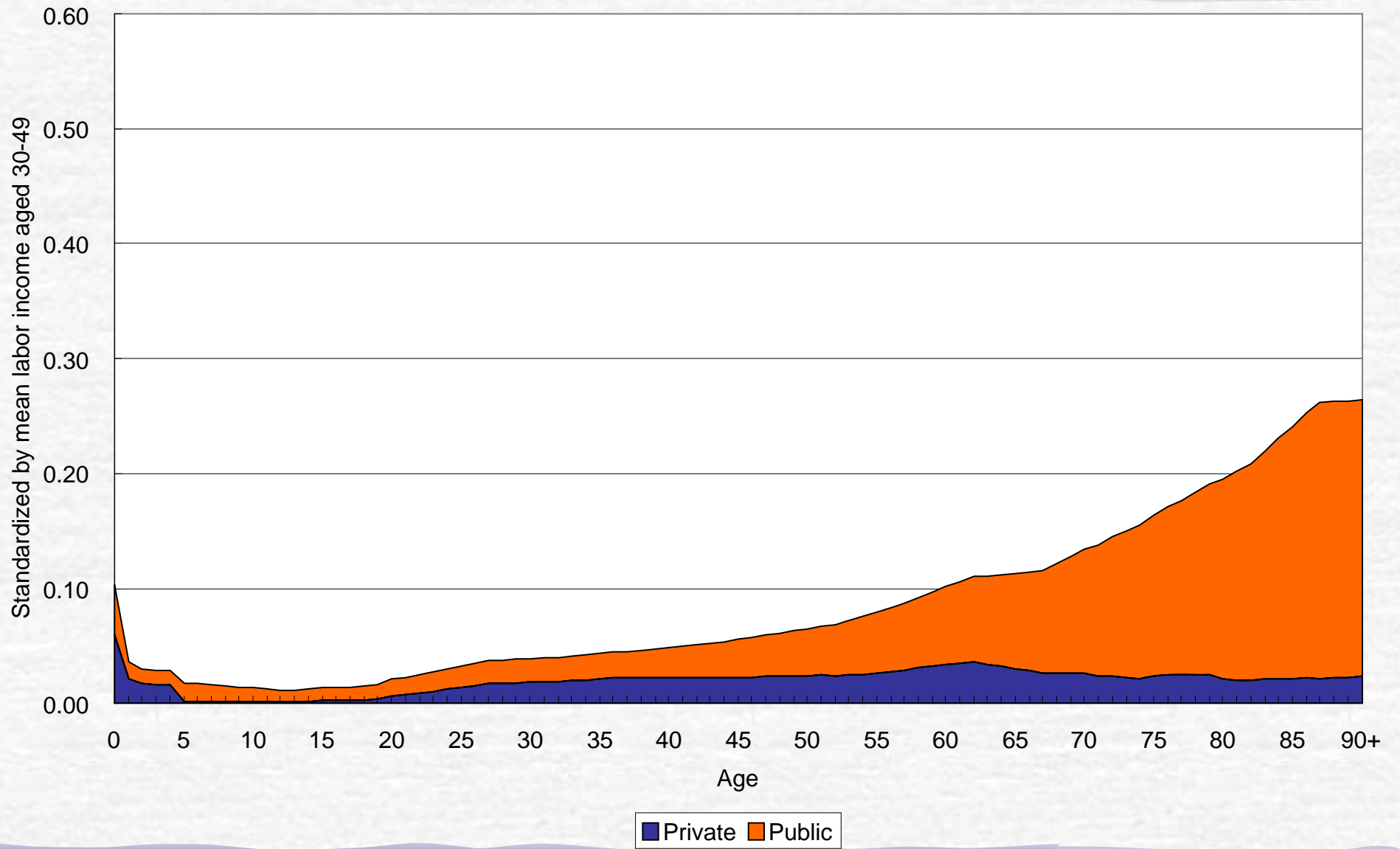
Japan:
Per capita case



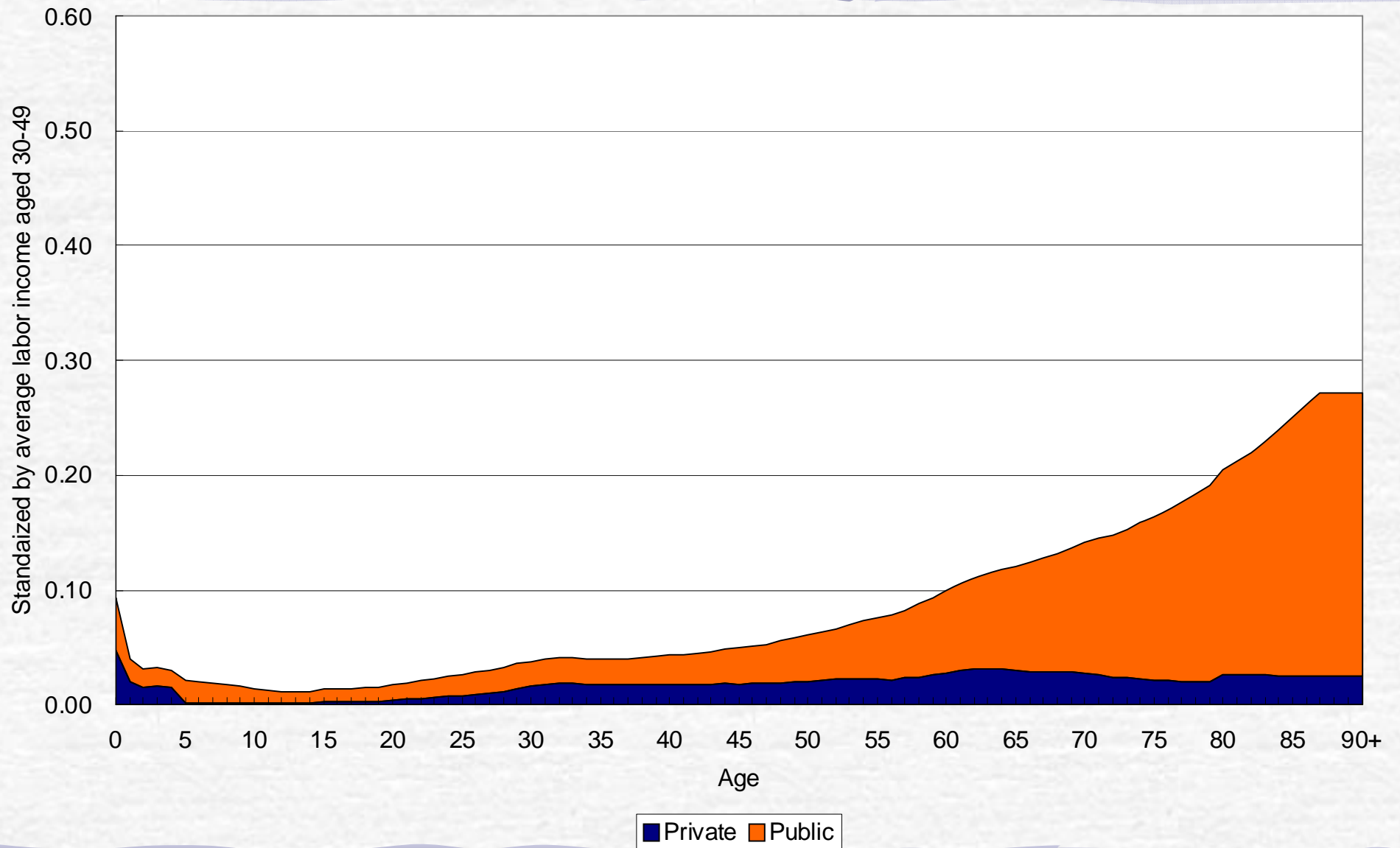
Per capita health consumption, Japan, 1984



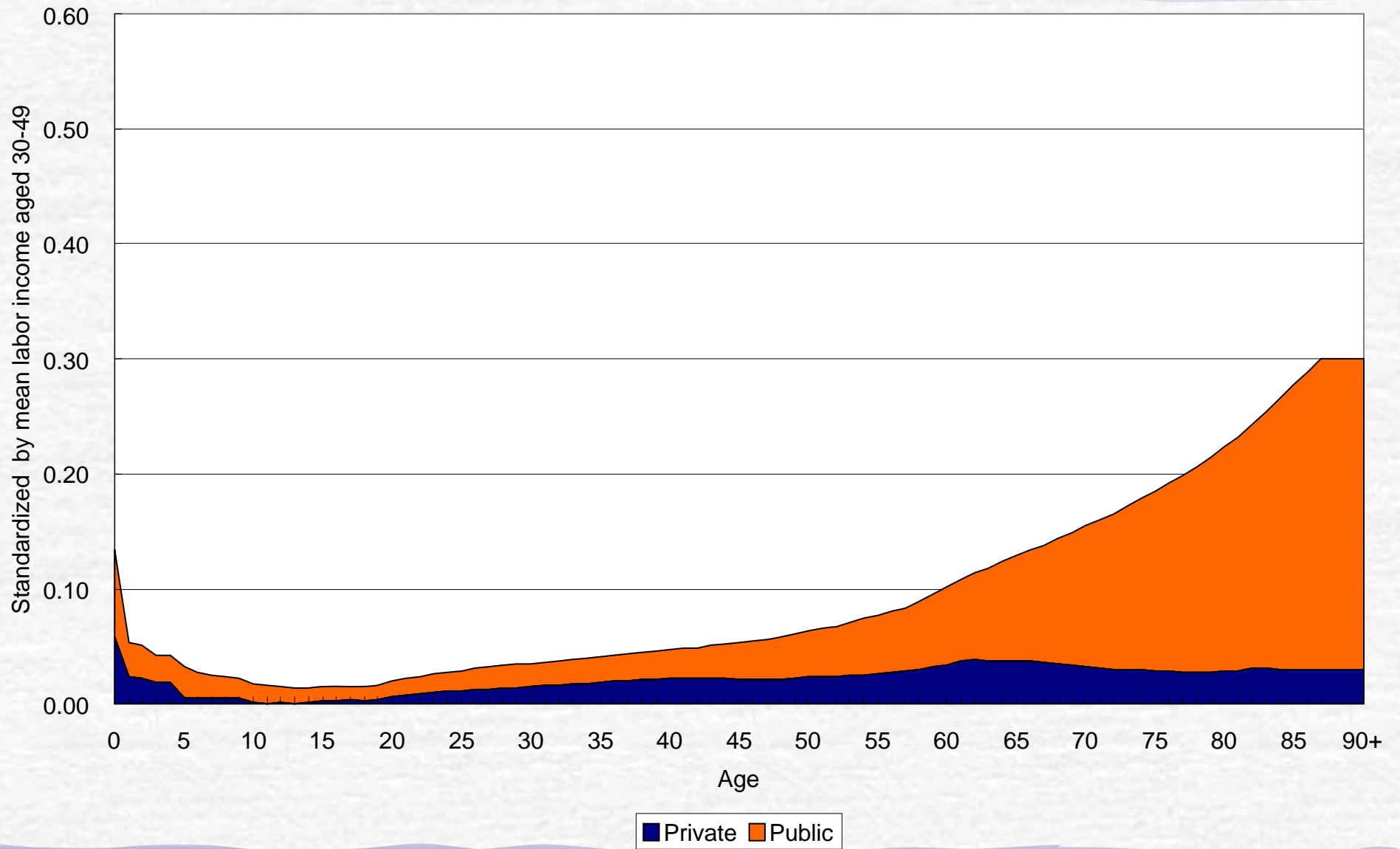
Per capita health consumption, Japan, 1989



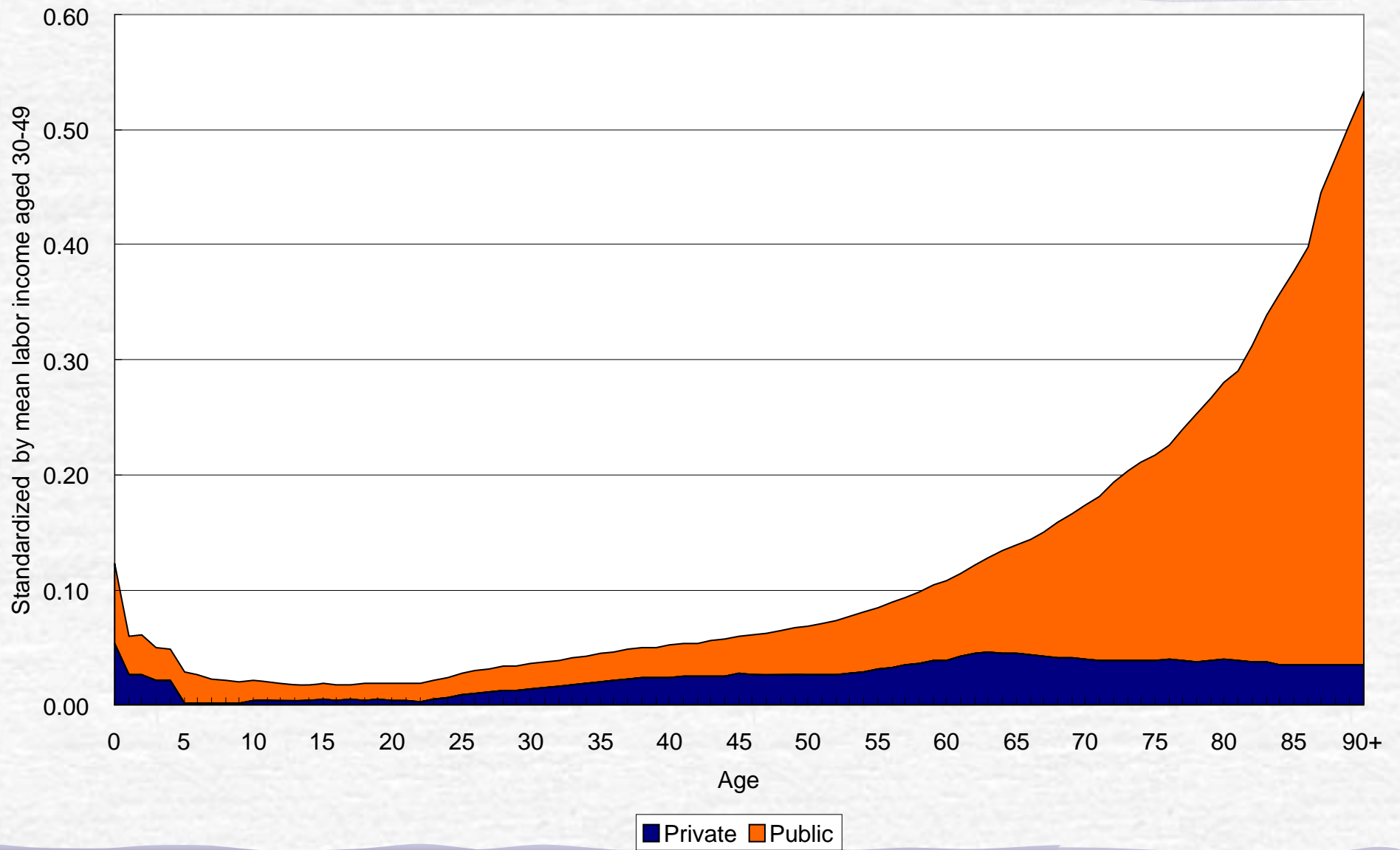
Per capita health consumption, Japan, 1994



Per capita health consumption, Japan, 1999



Per capita health consumption, Japan, 2004

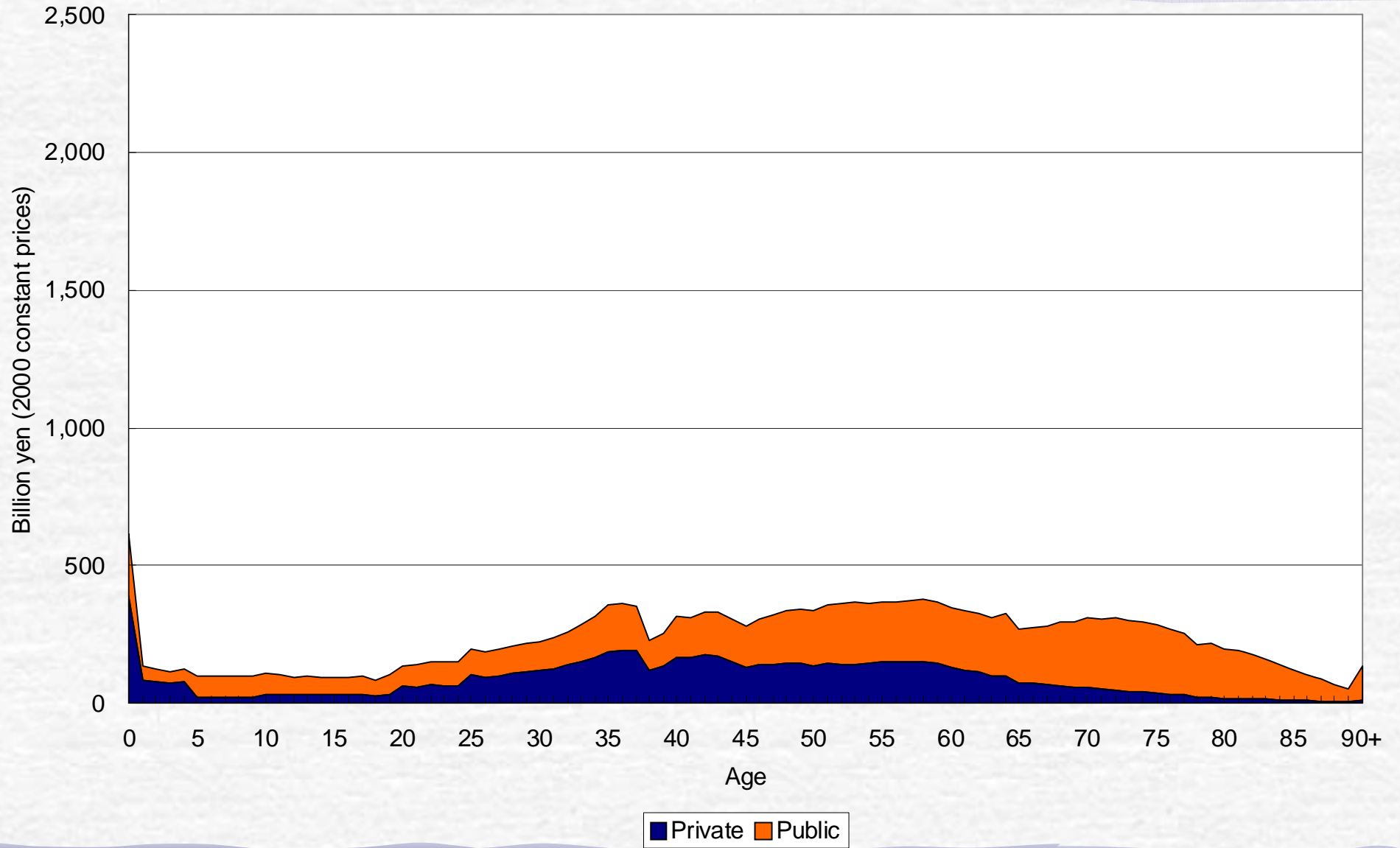




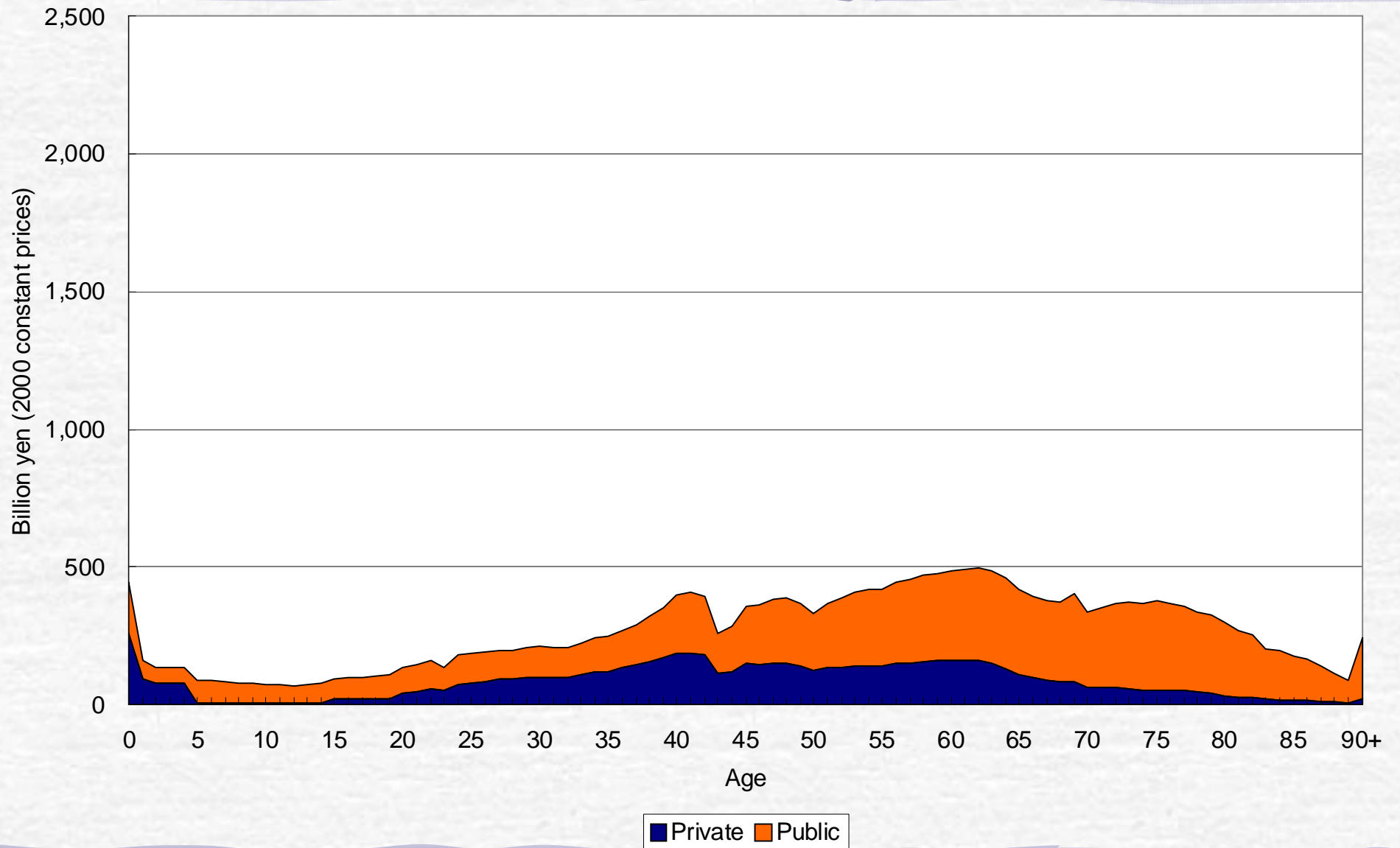
Japan:
Aggregate case



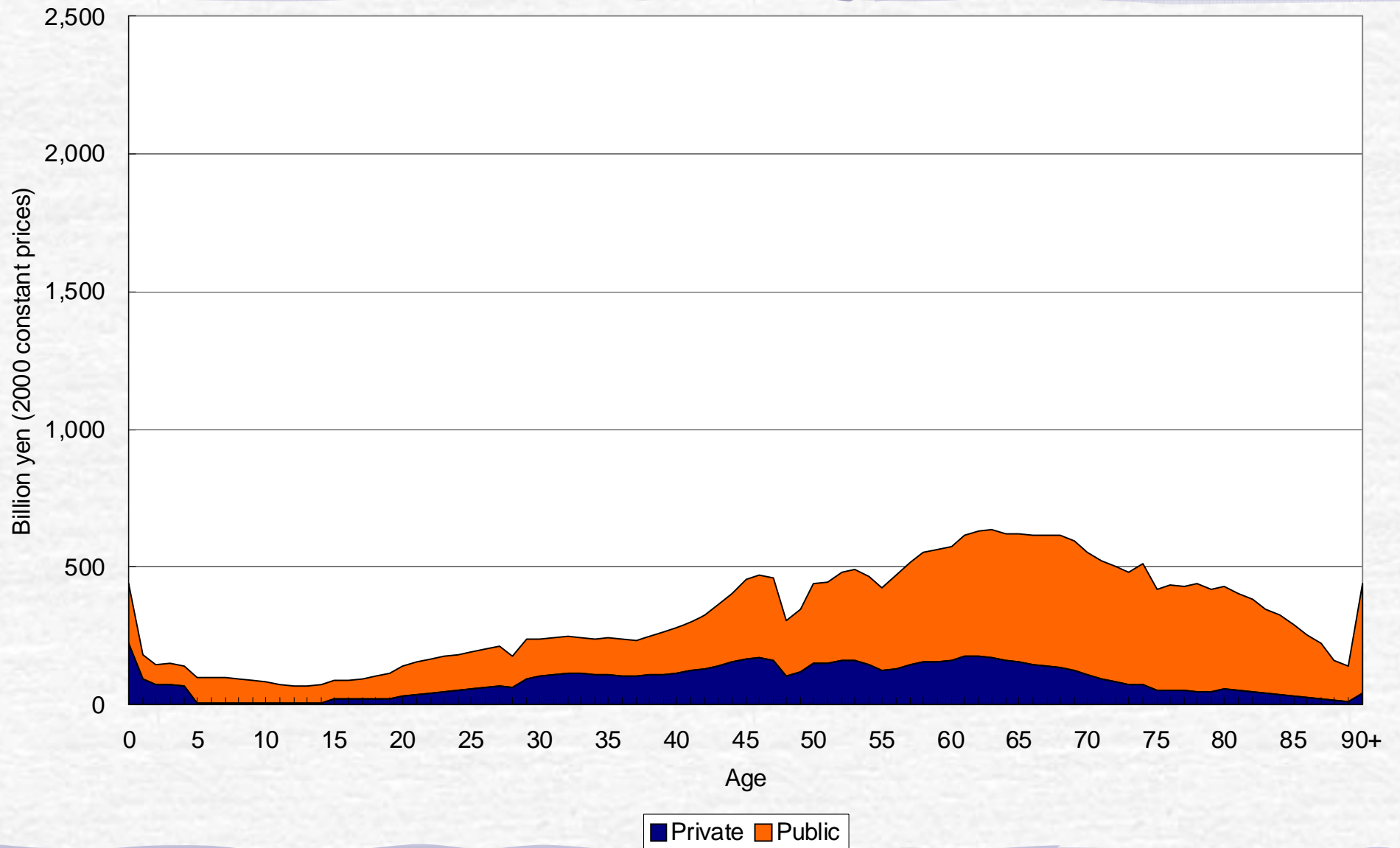
Aggregate health consumption, Japan, 1984



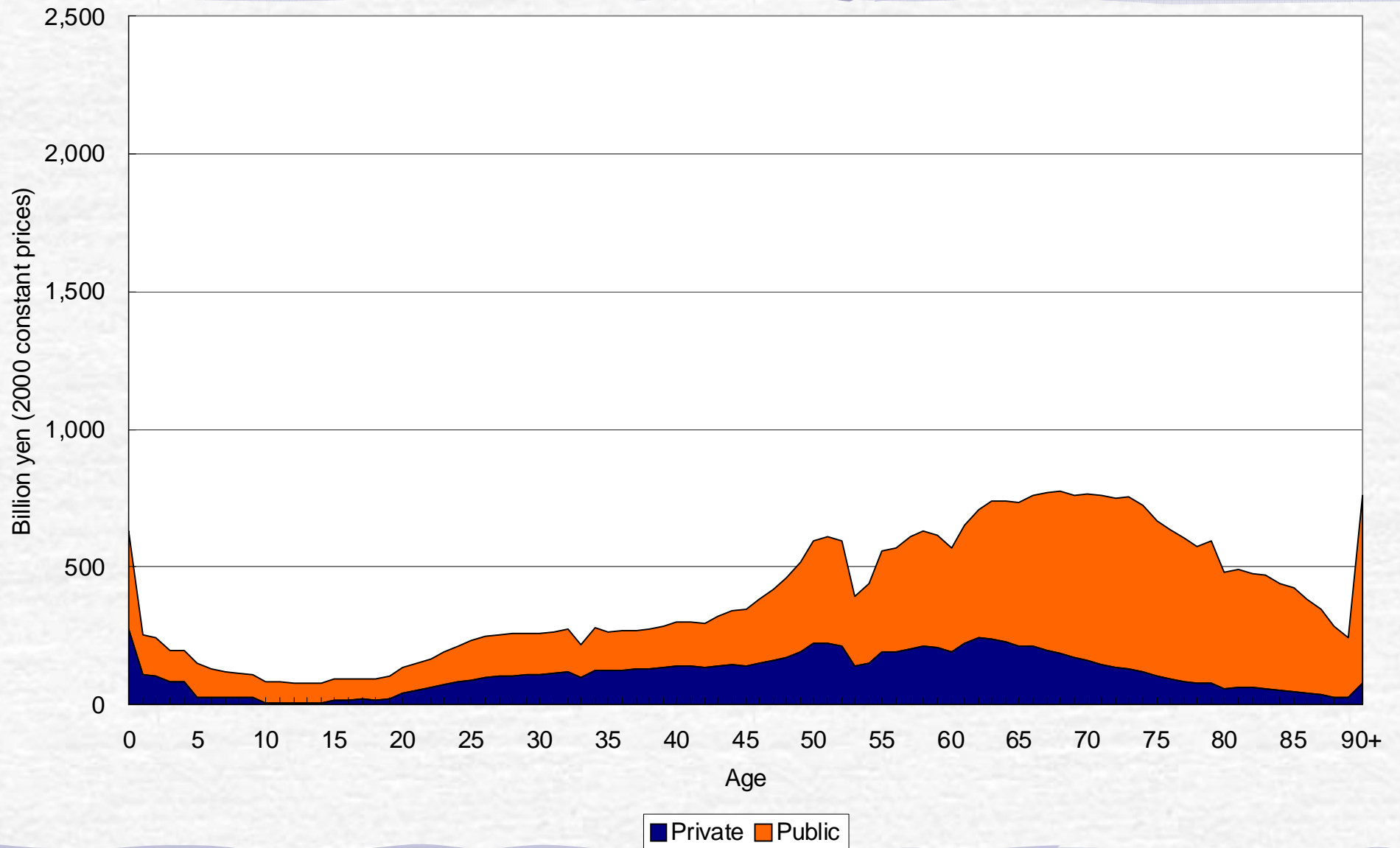
Aggregate health consumption, Japan, 1989



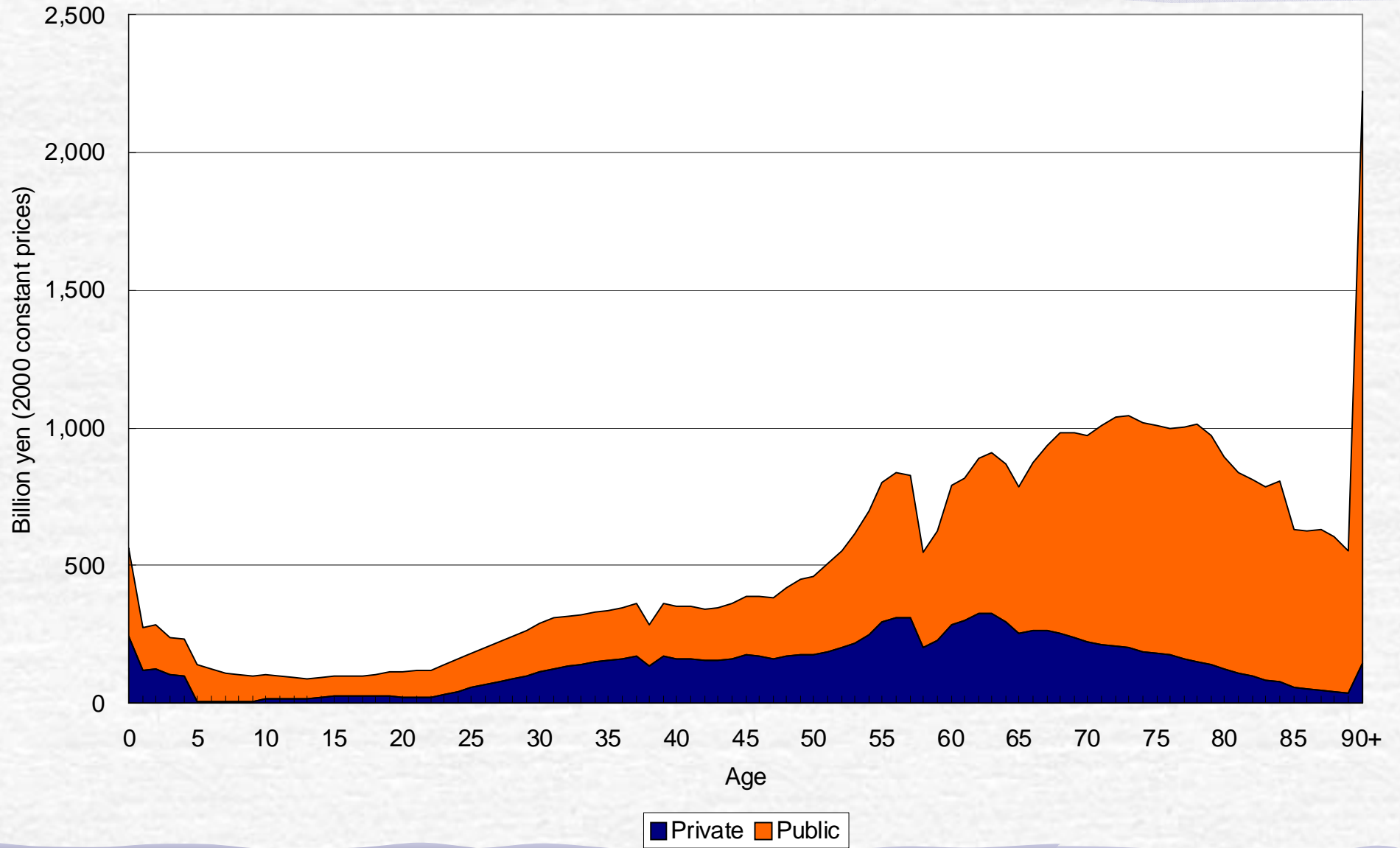
Aggregate health consumption, Japan, 1994



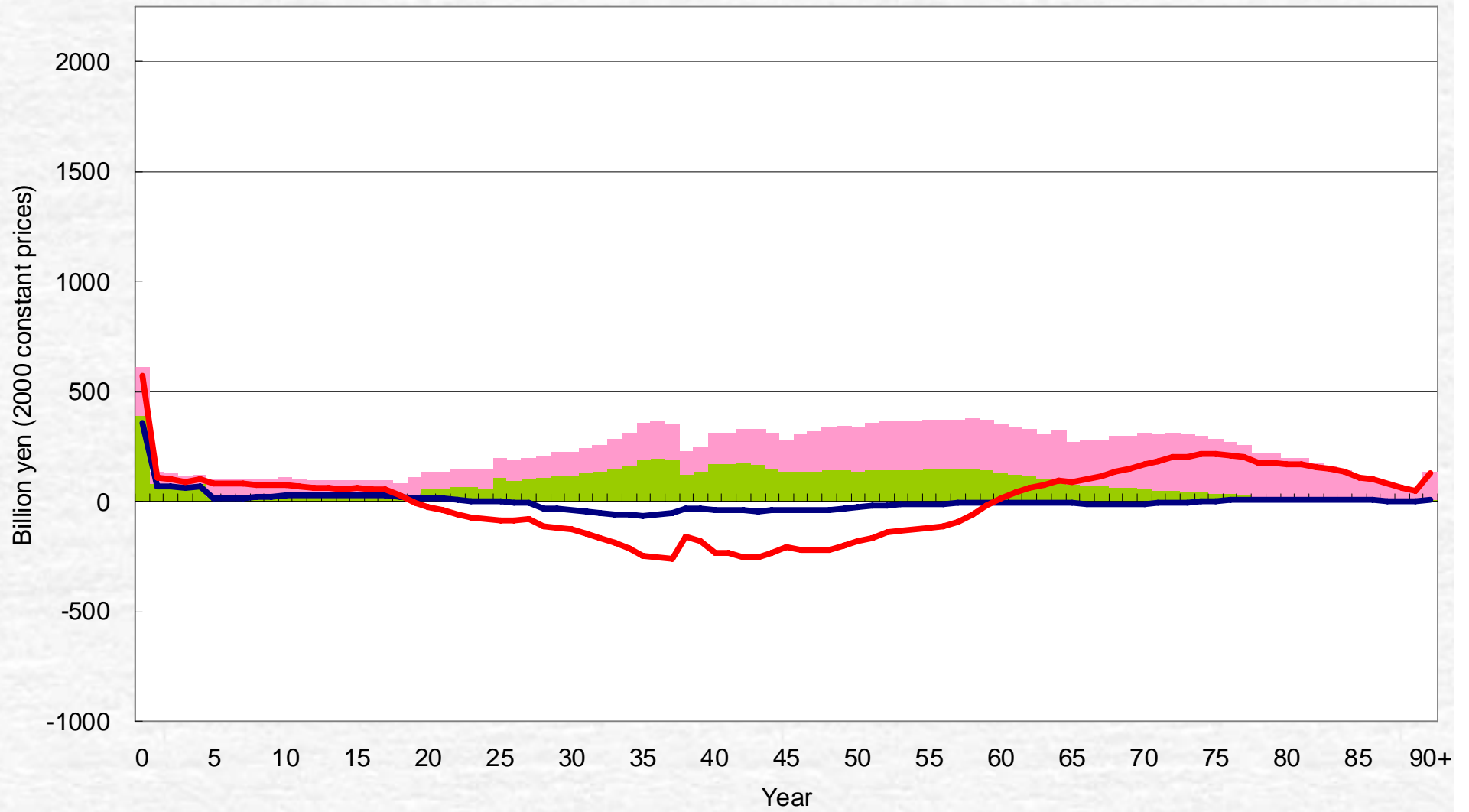
Aggregate health consumption, Japan, 1999



Aggregate health consumption, Japan, 2004

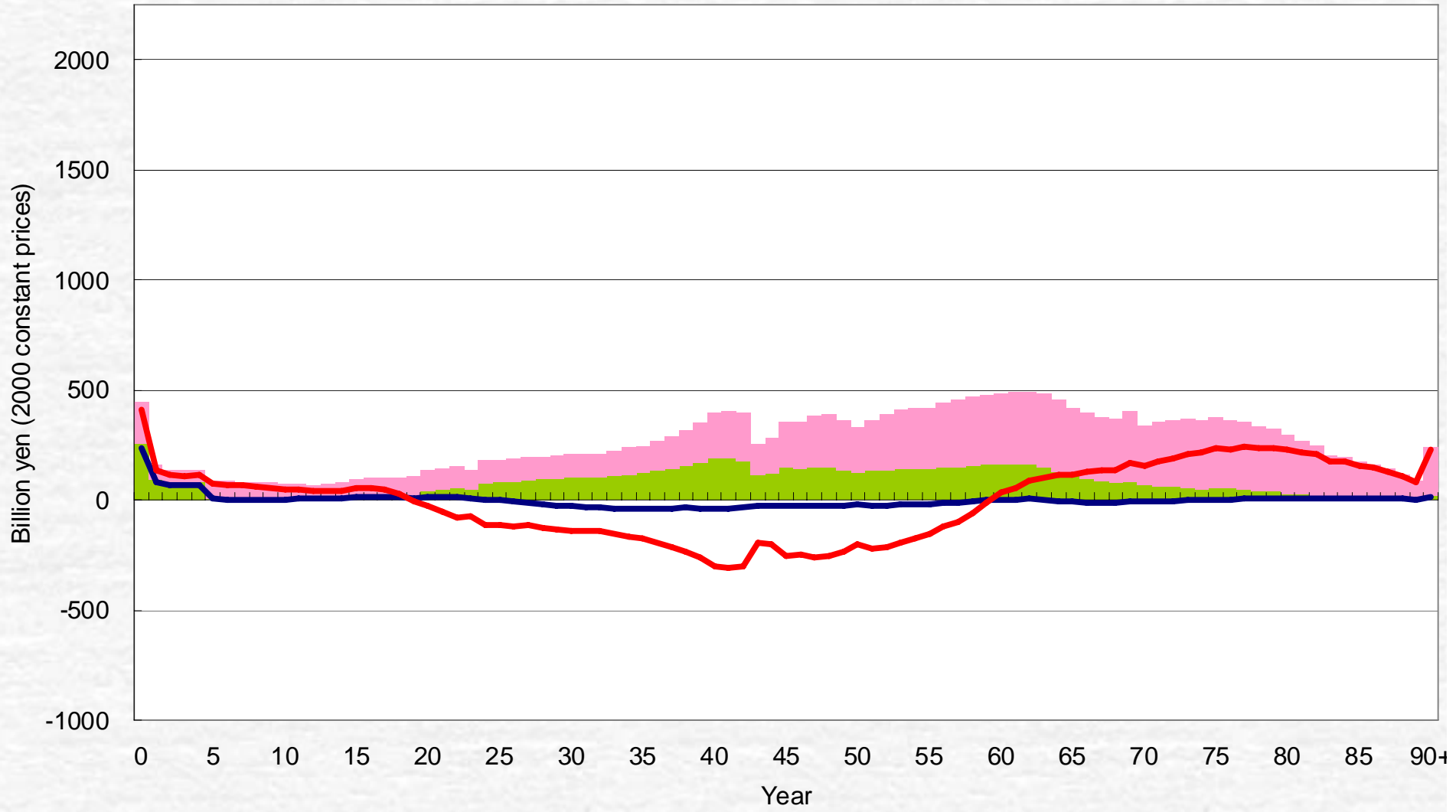


Annual health expenditures and net health transfers, Japan, 1984



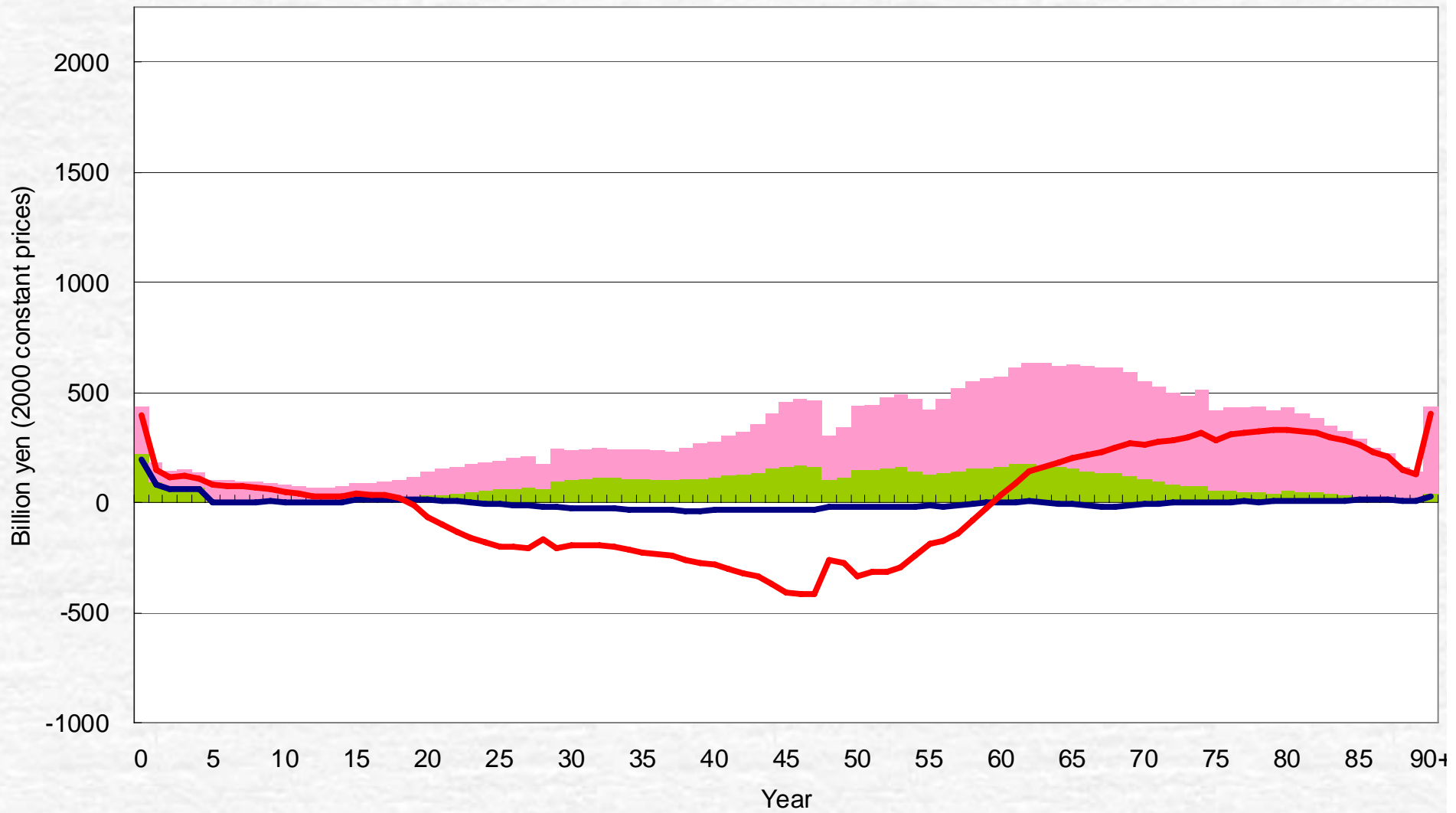
Aggregate private Aggregate public Net private transfers Net public transfers

Annual health expenditures and net health transfers, Japan, 1989



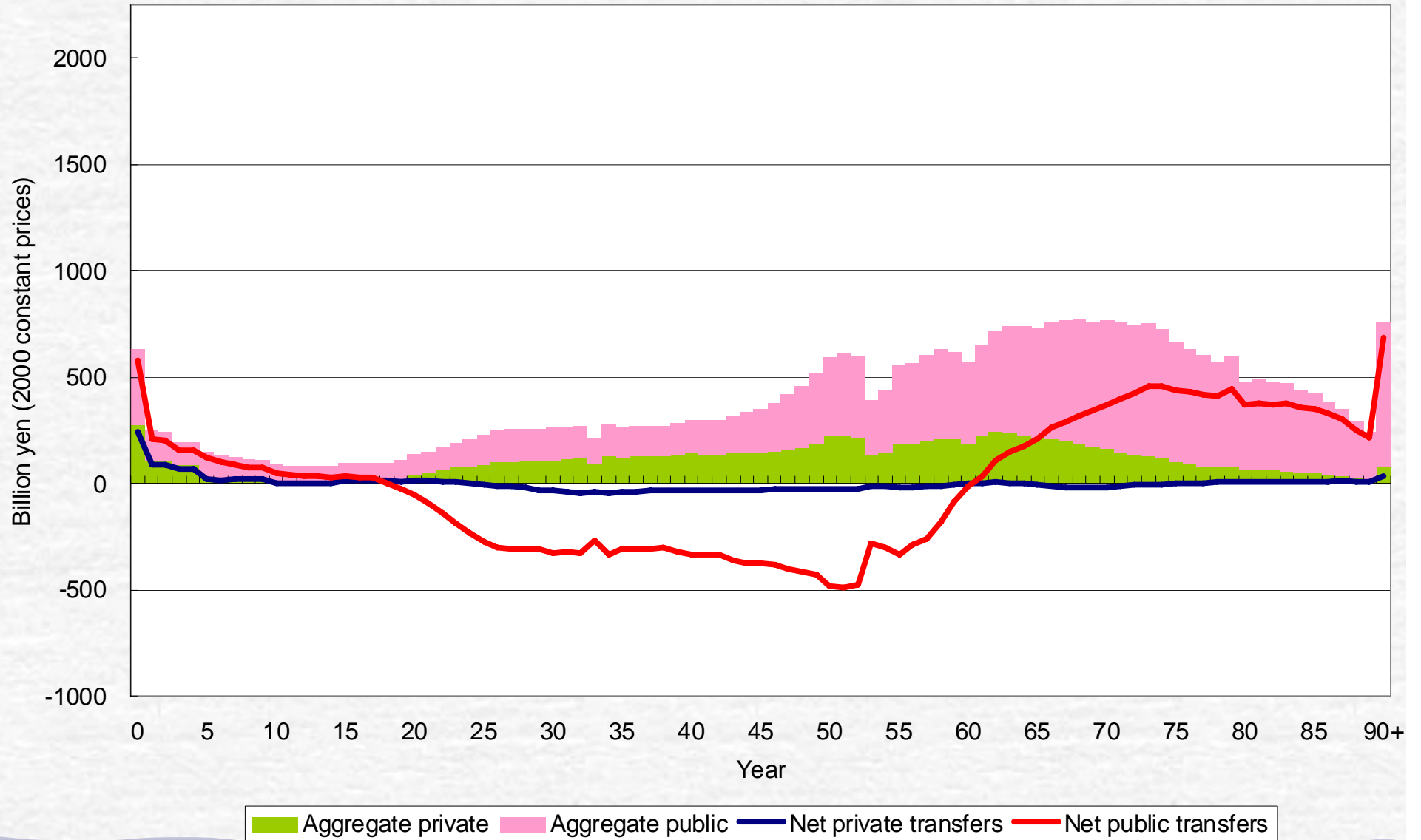
Aggregate private Aggregate public Net private transfers Net public transfers

Annual health expenditures and net health transfers, Japan, 1994

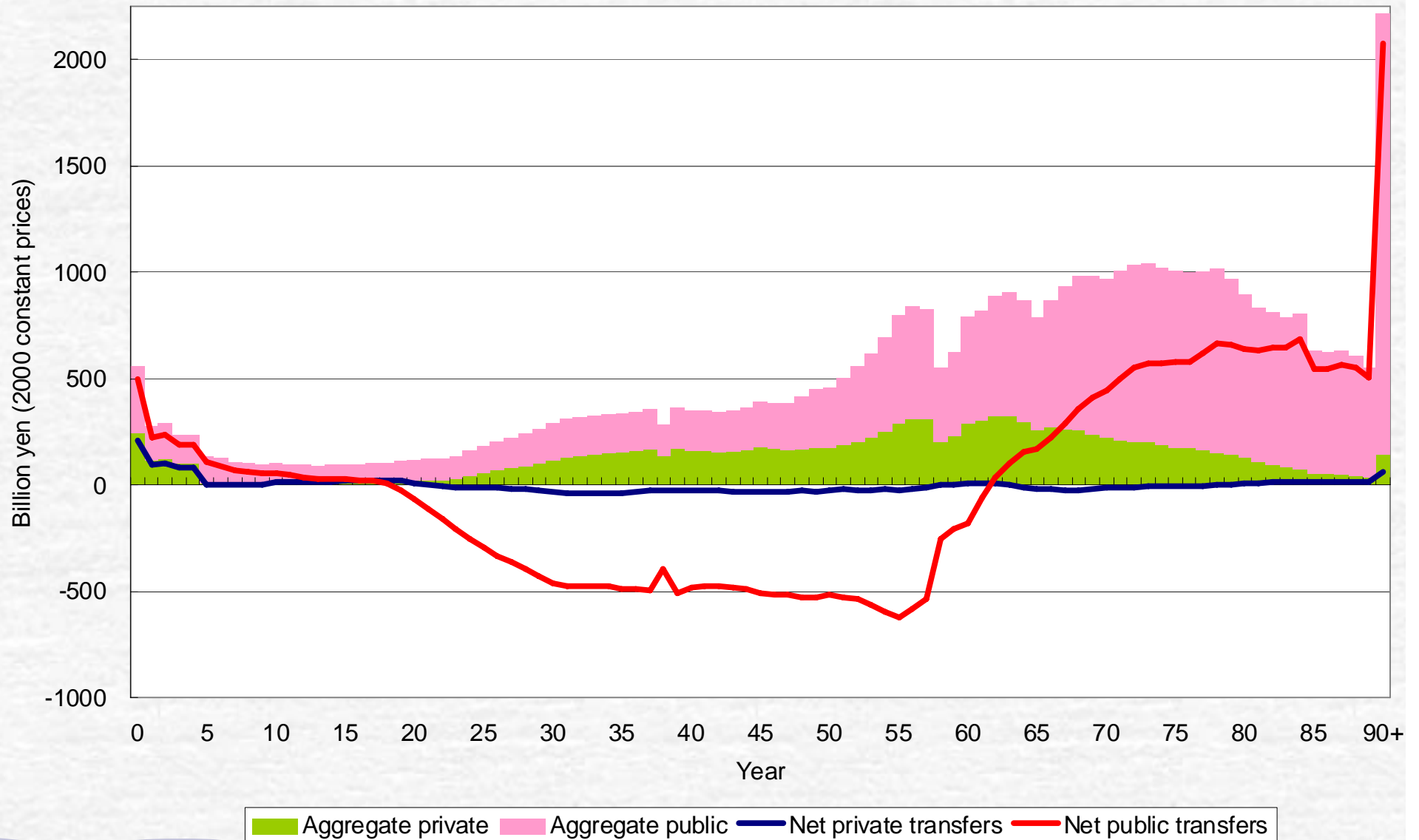


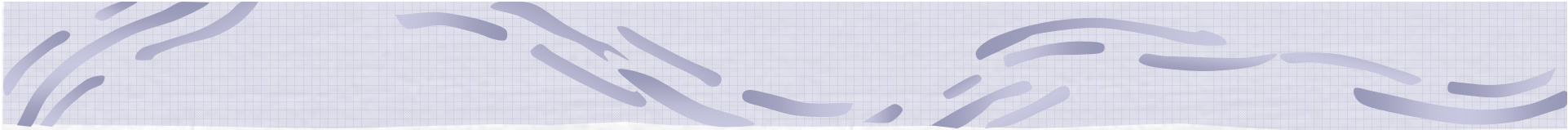
Aggregate private Aggregate public Net private transfers Net public transfers

Annual health expenditures and net health transfers, Japan, 1999




Annual health expenditures and net health transfers, Japan, 2004

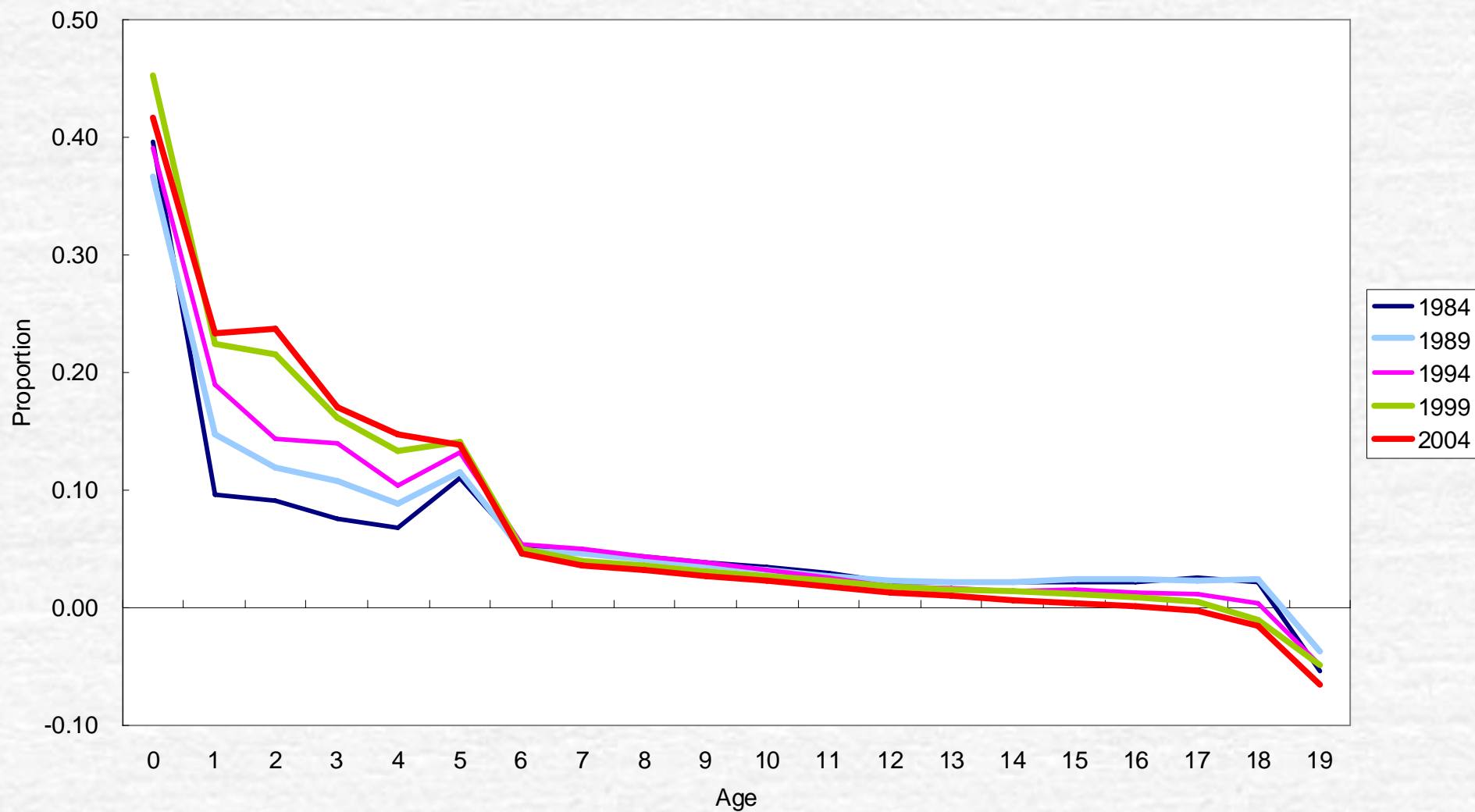


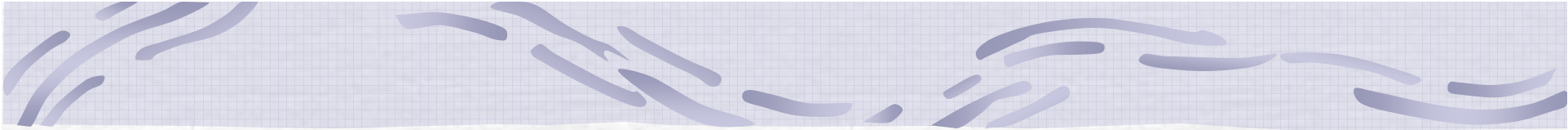


**The share of government
health transfers in total
government transfers for
the young...**




Public sector health transfers/total public transfers

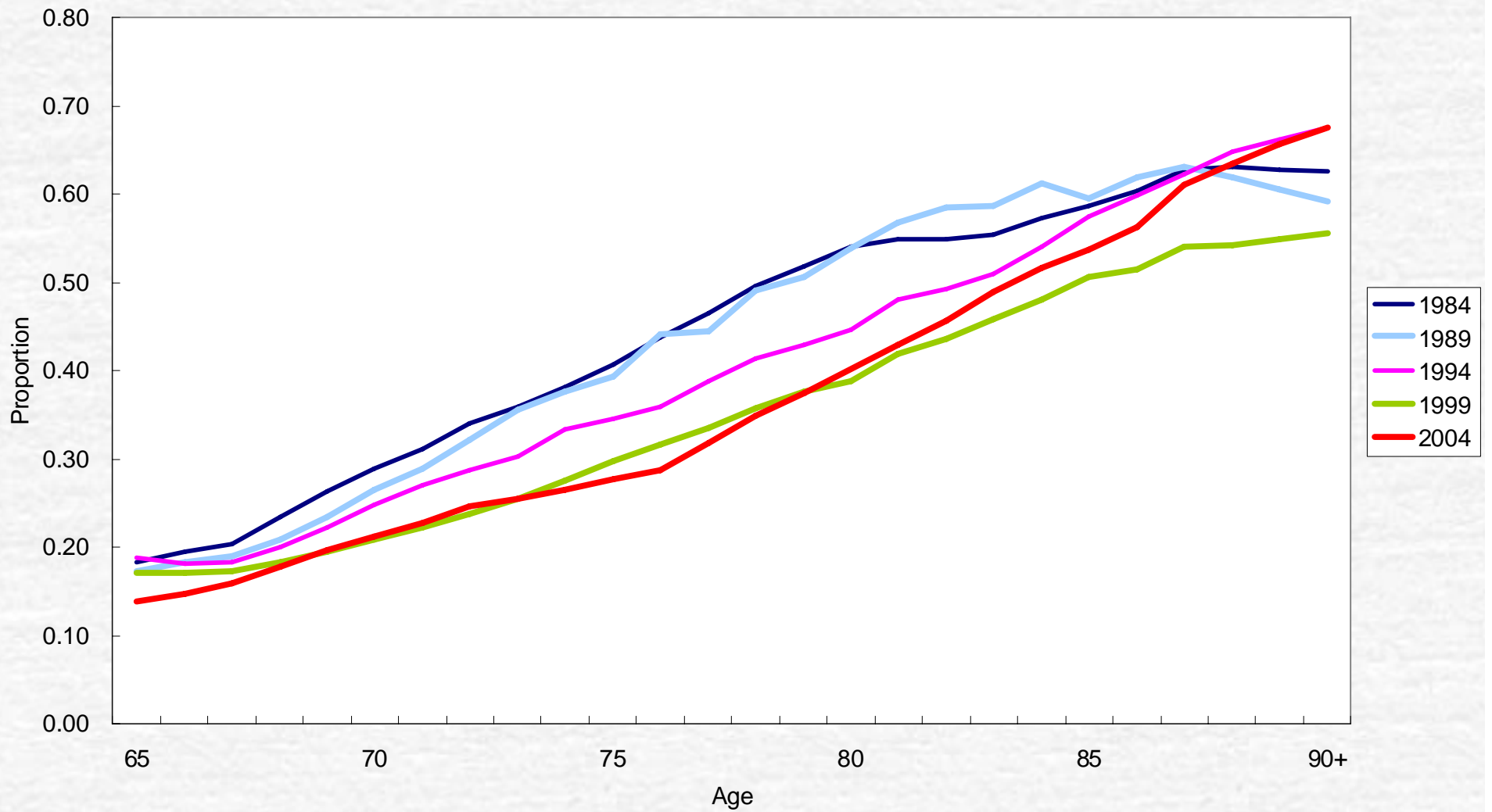


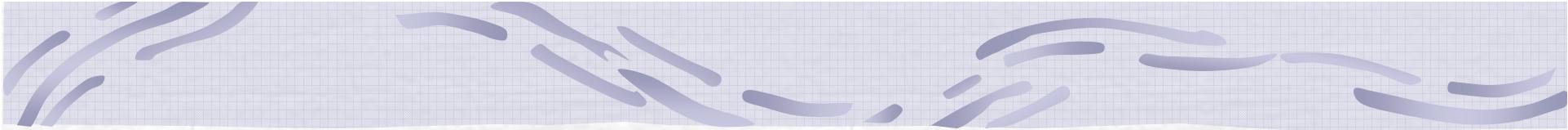


**The share of government
health transfers in total
government transfers for
the elderly...**



Public sector health transfers/total public transfers





Japan:

Projected results

(80% confidence interval)




Figure 18. Stochastic forecast for total health consumption, Japan, **2005-2050**

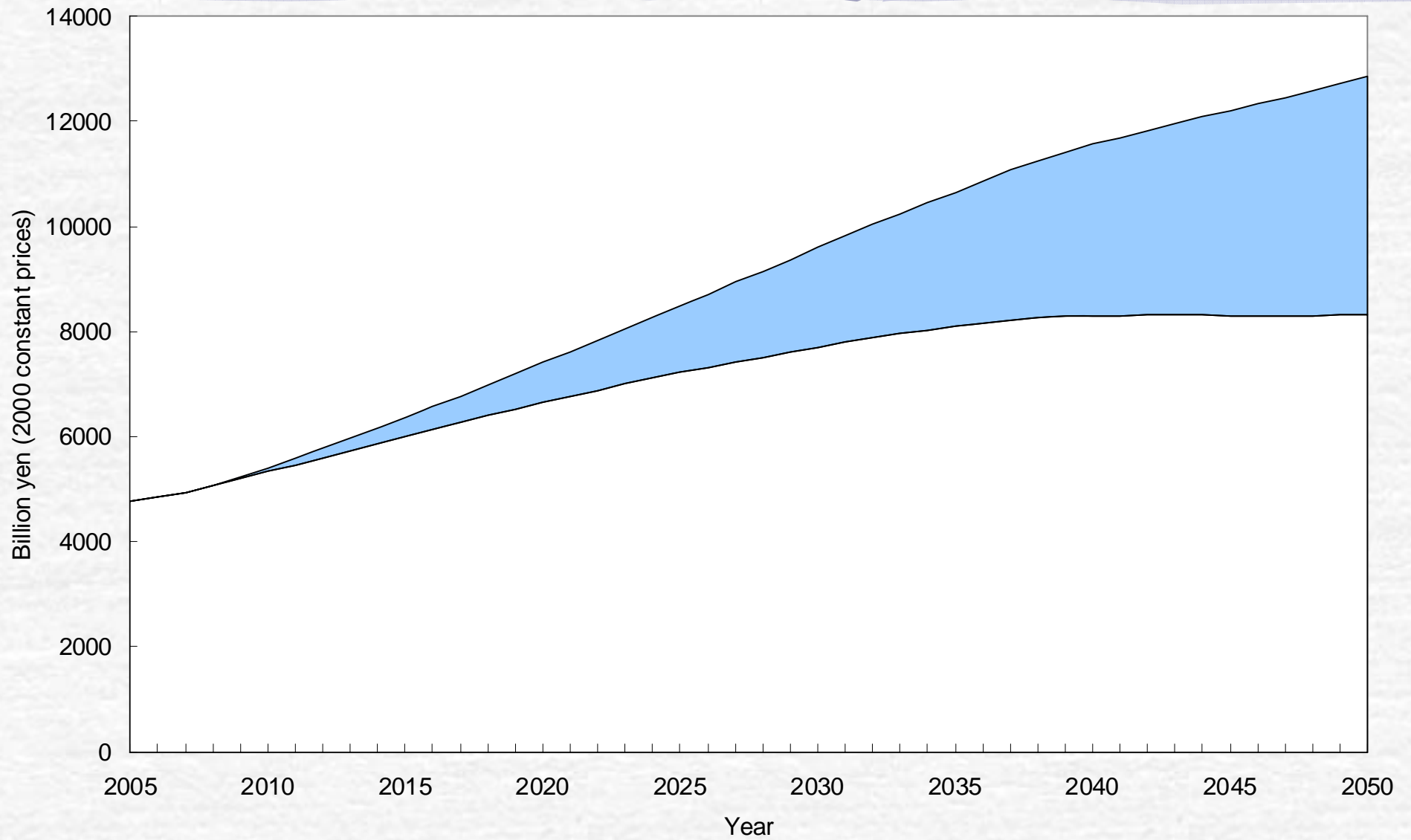
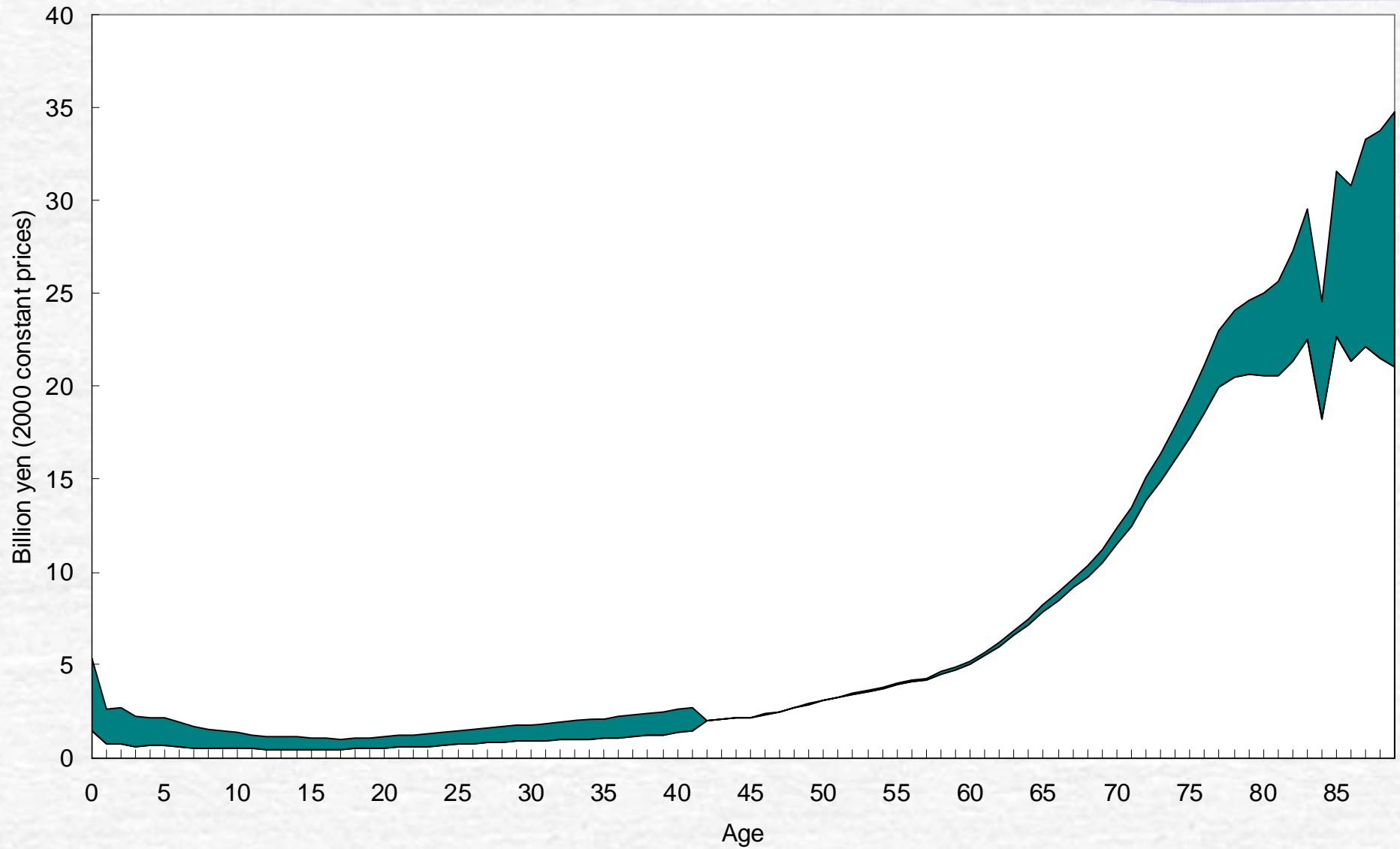


Figure 19. Stochastic forecast for the total health consumption **by age**, Japan, 2050

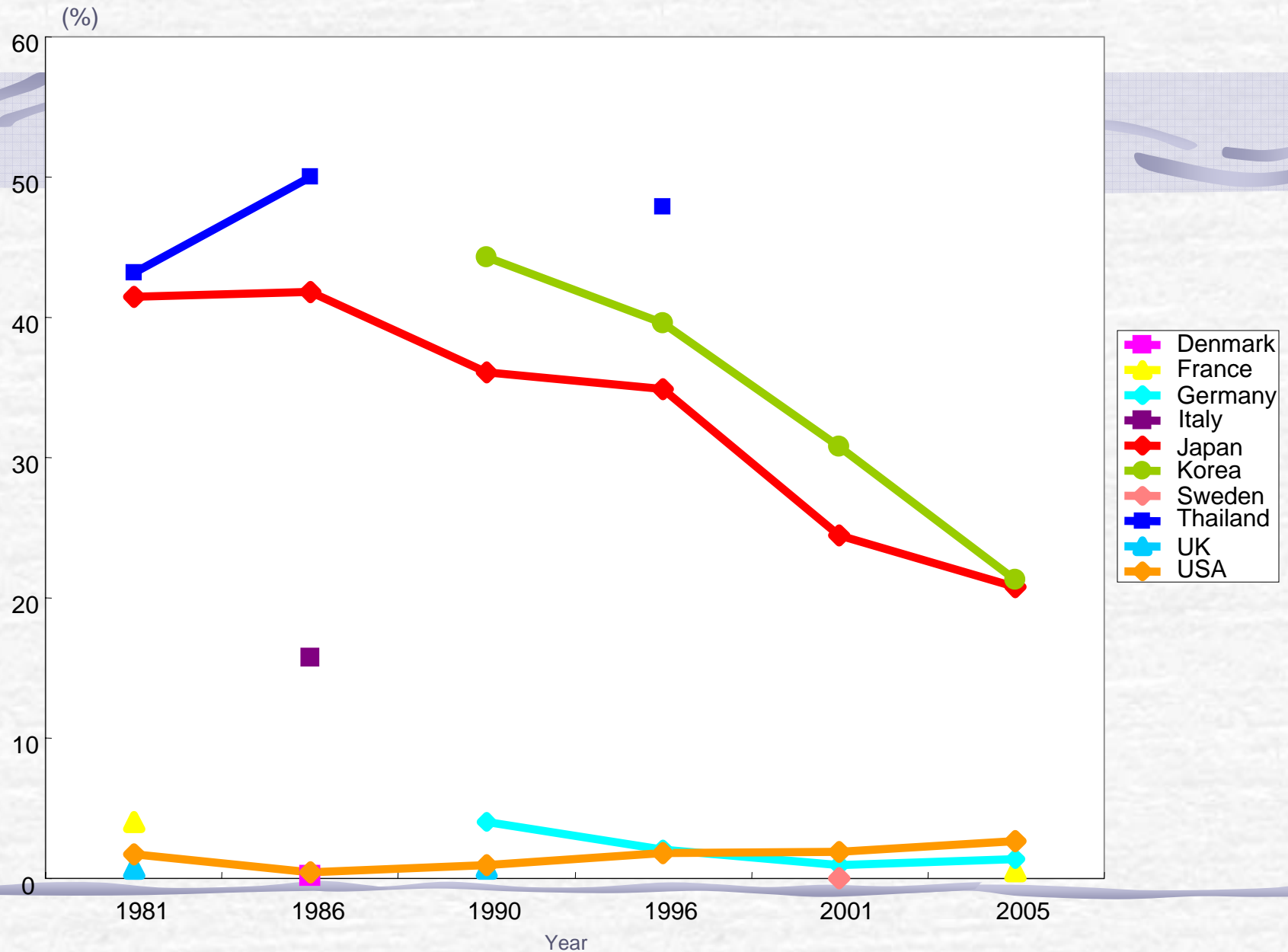




**Lessons from Japan
for Asia's developing
countries**

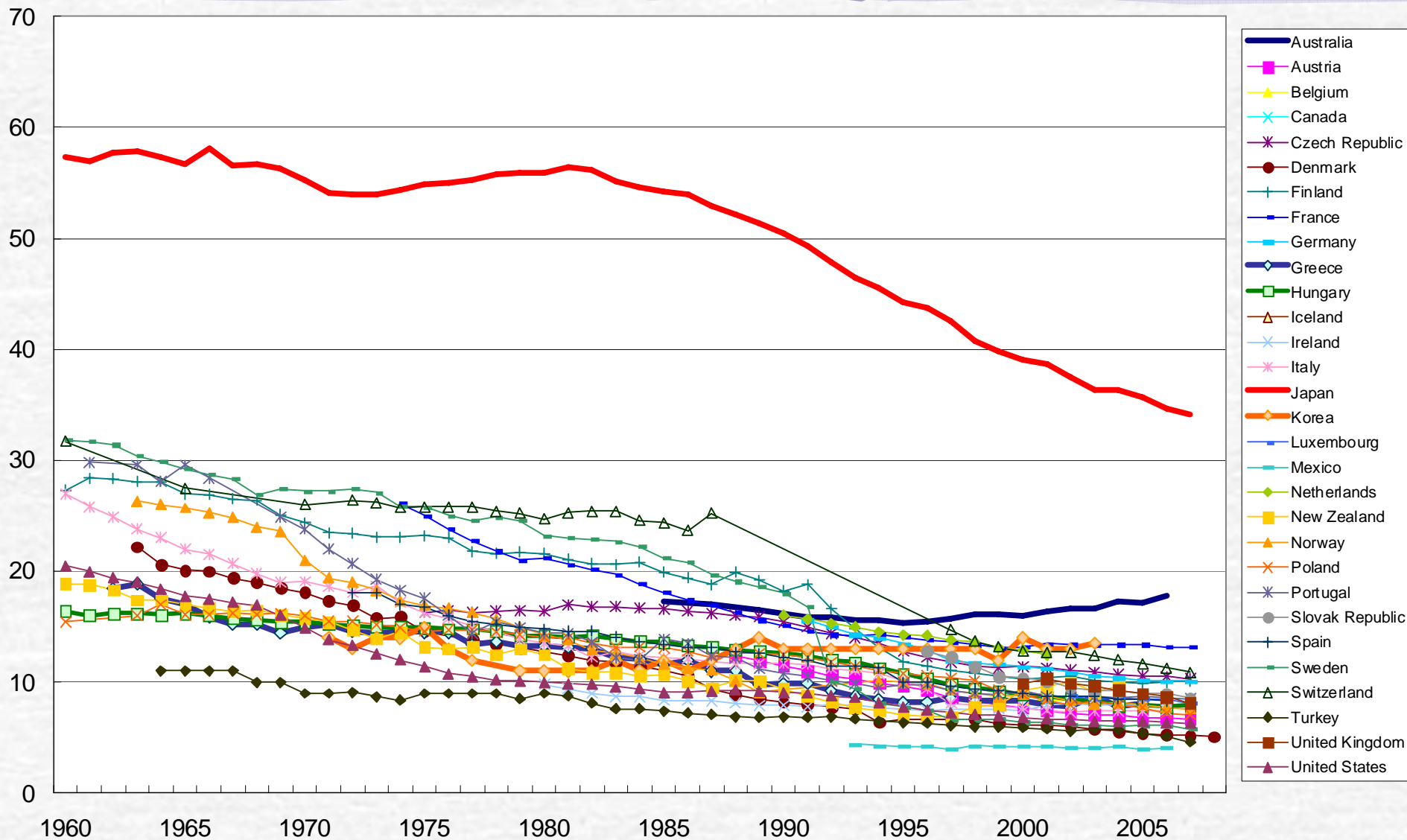


Figure 20. International comparison of the proportion of the elderly persons aged 65 and over living in three-generation households: selected countries, 1981-2005



Source: Cabinet Office (various years). *Brief Summary of the International Survey of Lifestyles and Attitudes of the Elderly*. Tokyo: Gyosei.

Average duration of hospitalization (days)



Change in the place of death, Japan, 1951-2008

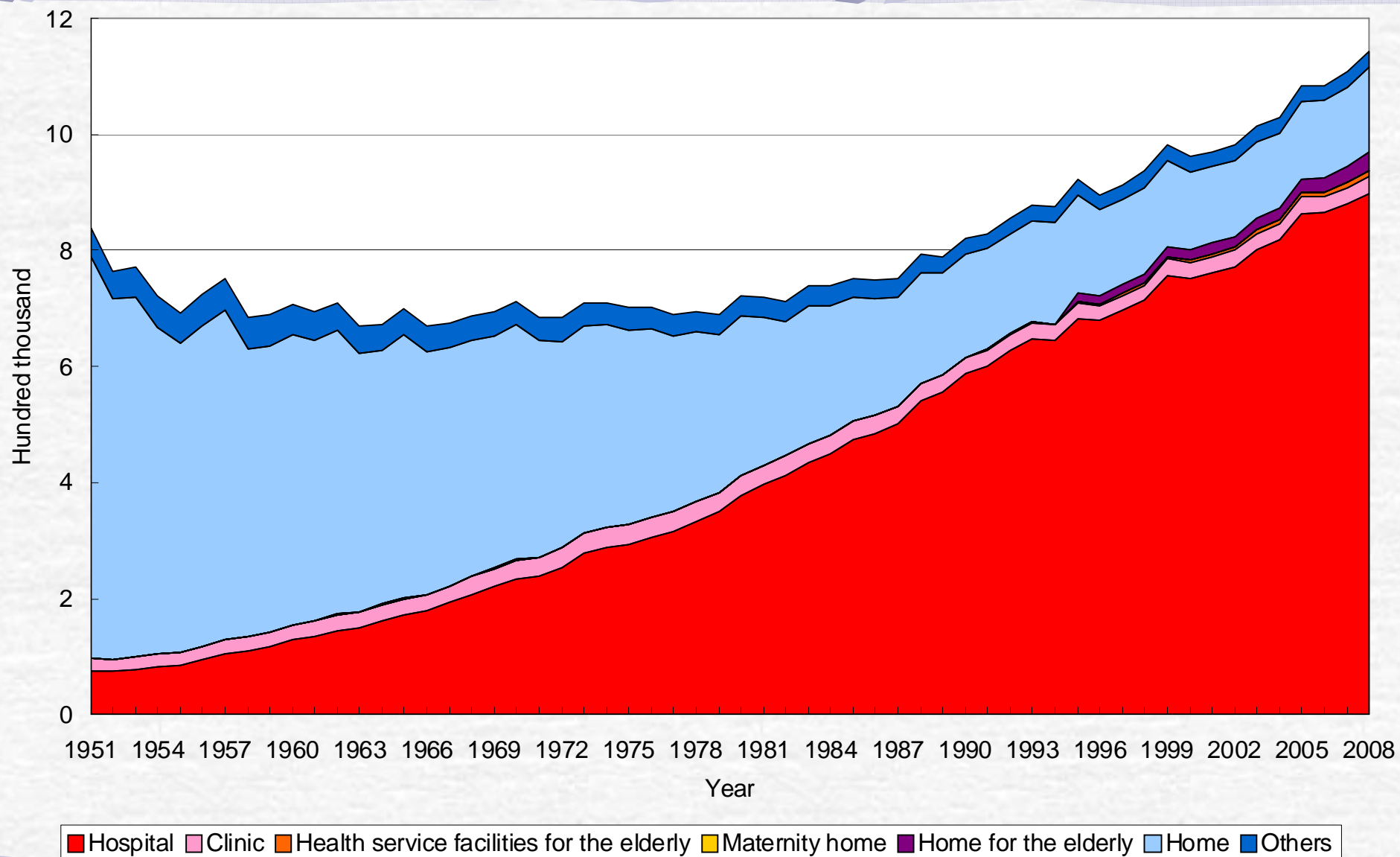
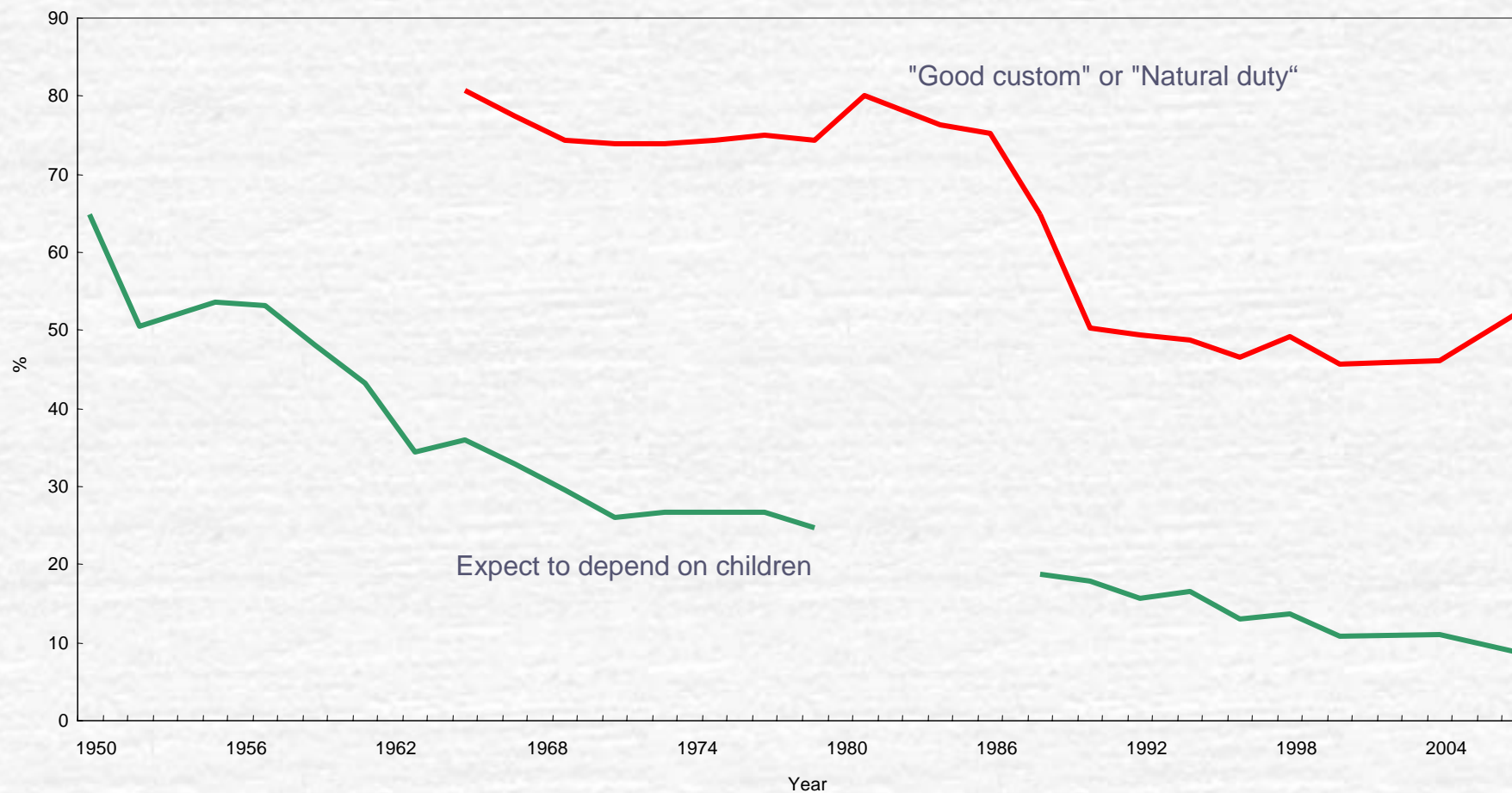


Figure 5. Trends in values and expectations about care for the elderly: Japan, 1950-2007



Sources: Mainichi Newspapers of Japan, *Summary of Twenty-fifth National Survey on Family Planning, 20005*.

Mainichi Newspapers of Japan, *Summary of the 2004 round of the National Survey on Population, Families and Generations, 2004*.

Nihon University Population Research Institute, *National Survey on Work and Family, 2007*.



**Why is it that Japan's
familial values have
been reversing the
trends?**







Thank you !