



National Policy Responses to the Challenge of Ageing

Super-aged Society and Anti-ageing Policy of Korea

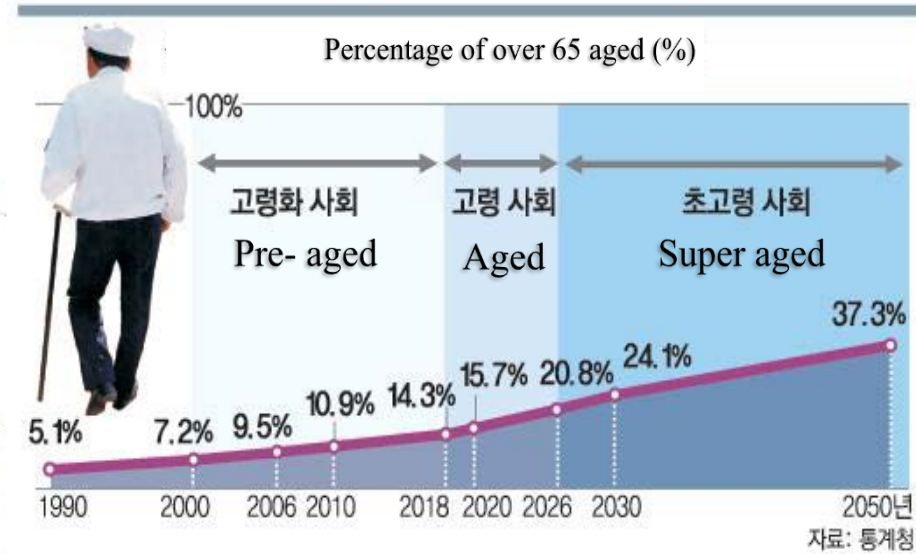
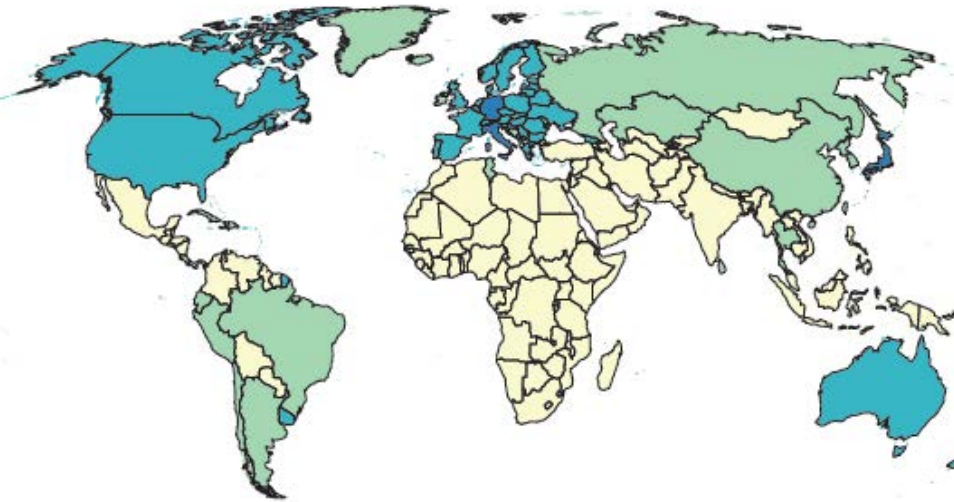
2017. 05. 16

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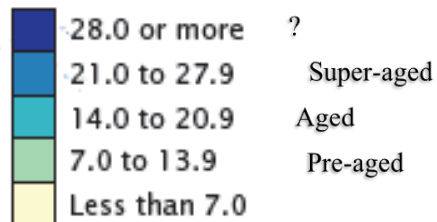
Super-ageing : Global Trend

2015



2050

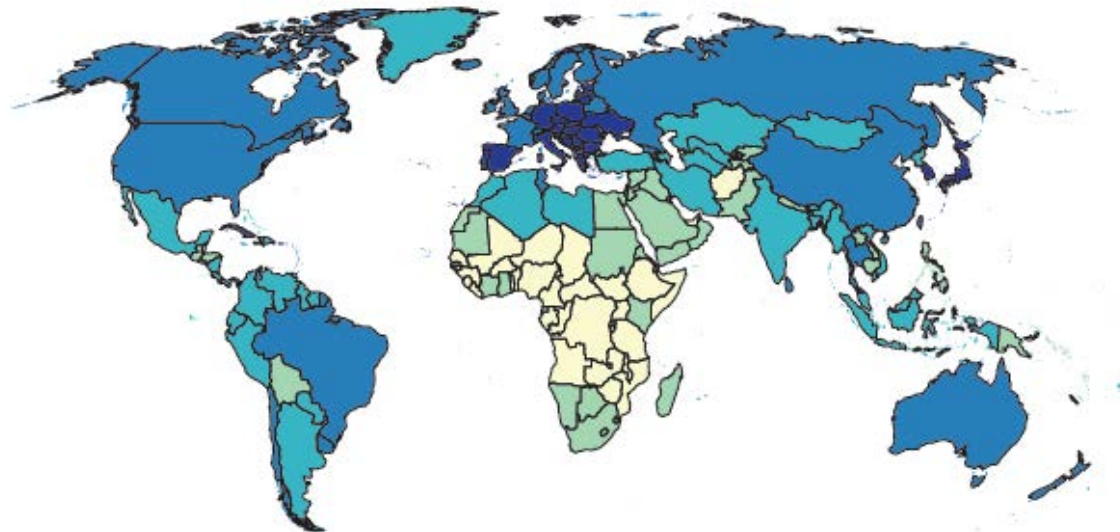
Percent



World percent

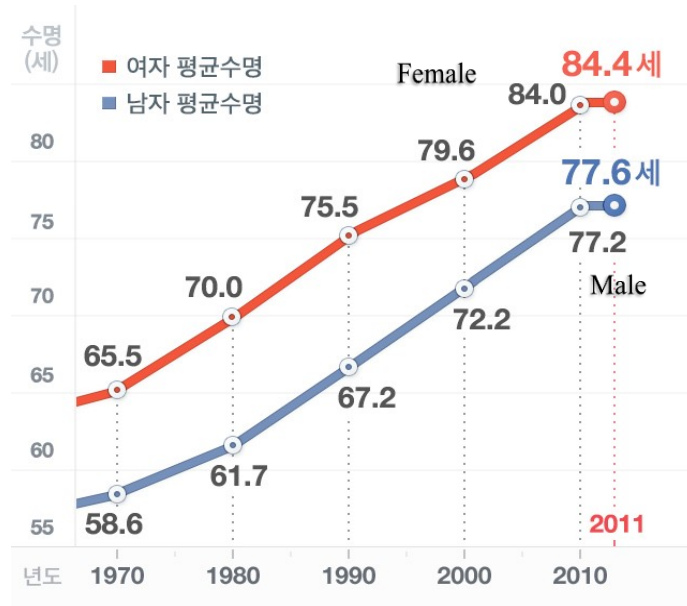
2015: 8.5

2050: 16.7



An Aging World , U.S. Census Bureau. 2015

Average Year of Life(Y_{lave})



Trend of ageing over 65

Age of maximum death ($Y_{d\ max}$)

$$Y_{d\ max} = Y_{lave} + 8$$



Over 65

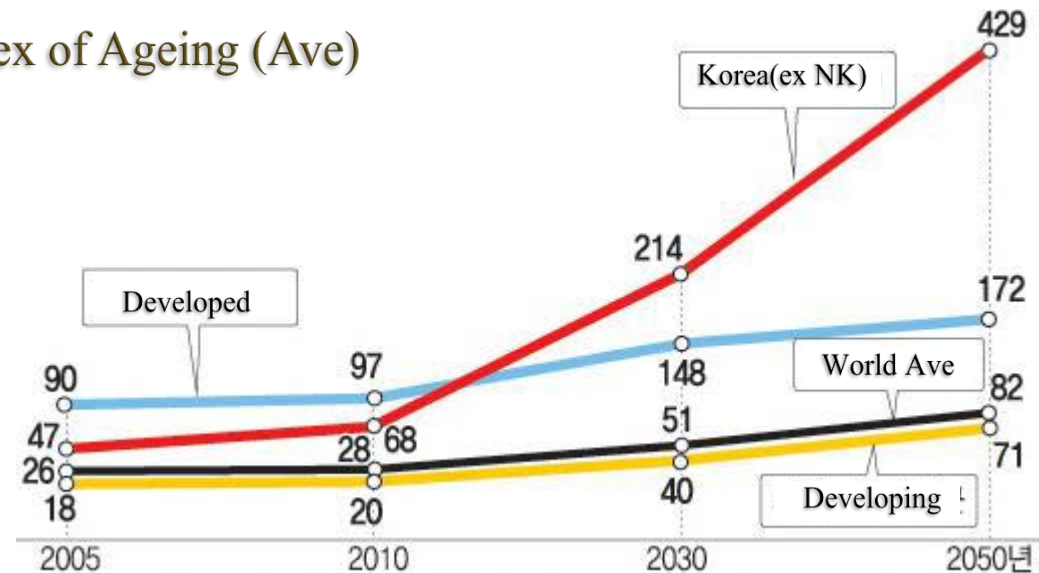
X 100



Under 14

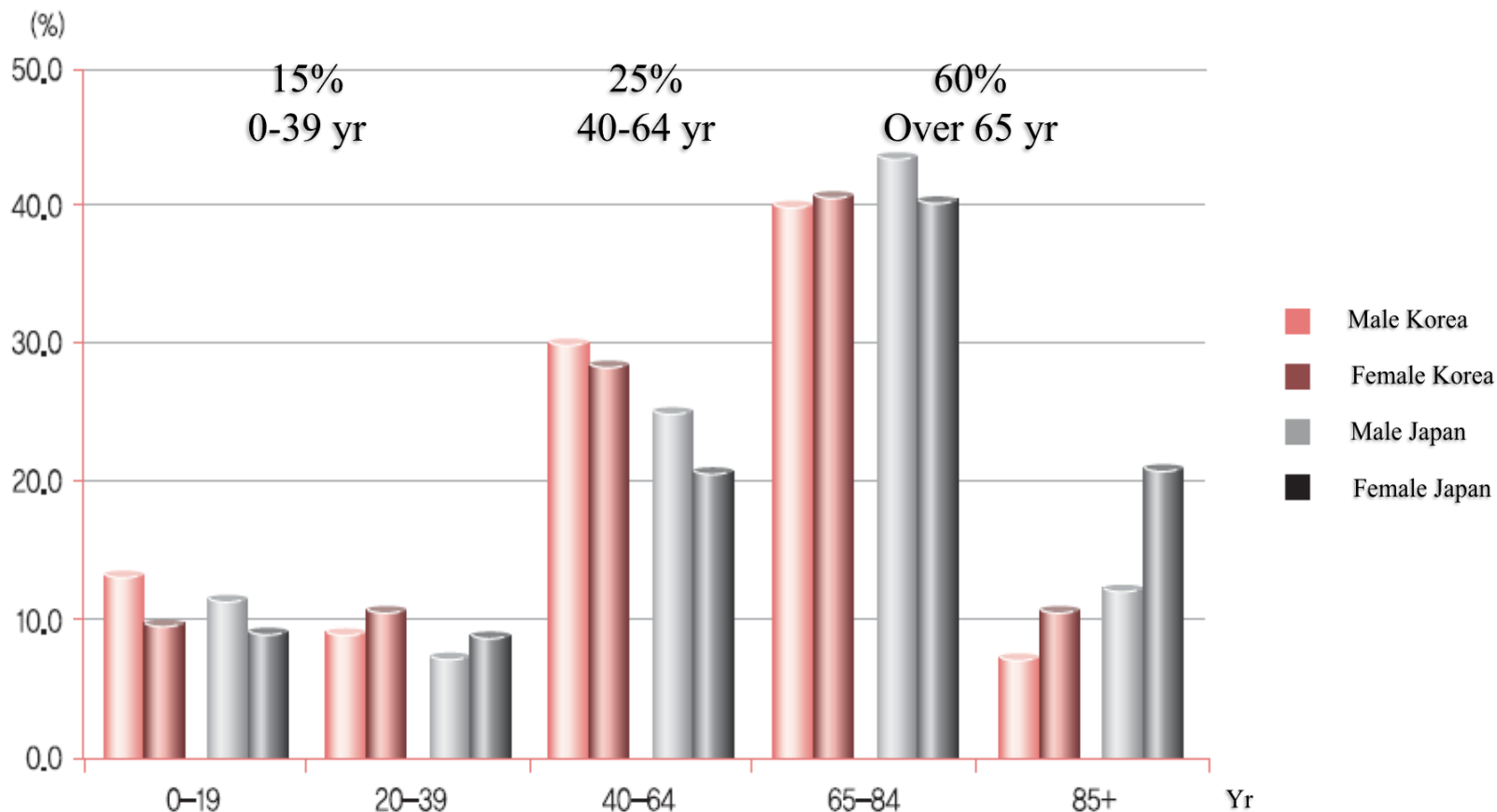
Index of Ageing

Index of Ageing (Ave)



Future Population Estimation, National Statistical Off, 2012

Medical Expenses per Life-cycle of capita



Total amount Medicinal Expenses per Capita
Japan, 300 M\$; Korea, 130 M\$

Health Life Age of Korean

Most Death Age = $82.4 + 8$

Ave Life Span = 82.4

17세

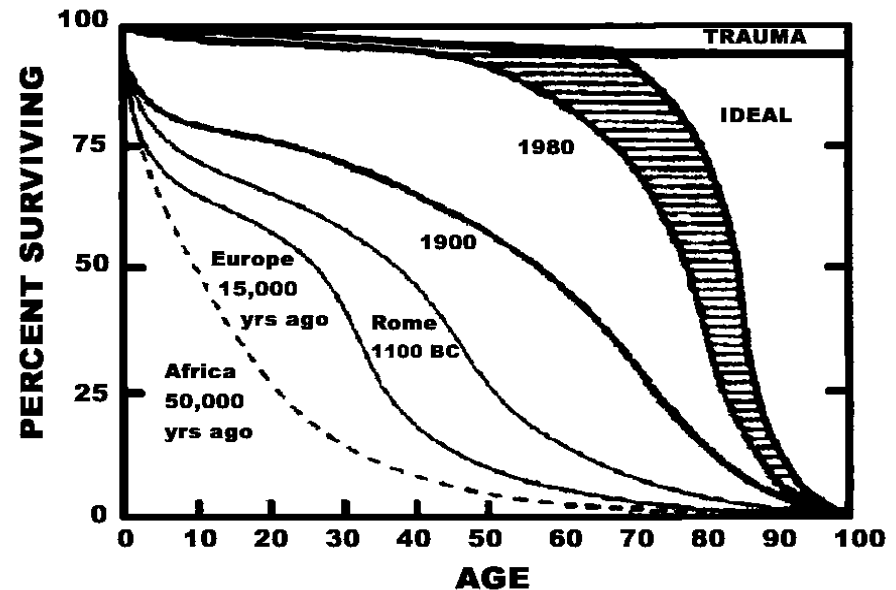
Health Life = 66



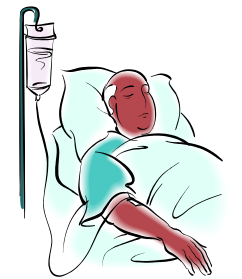
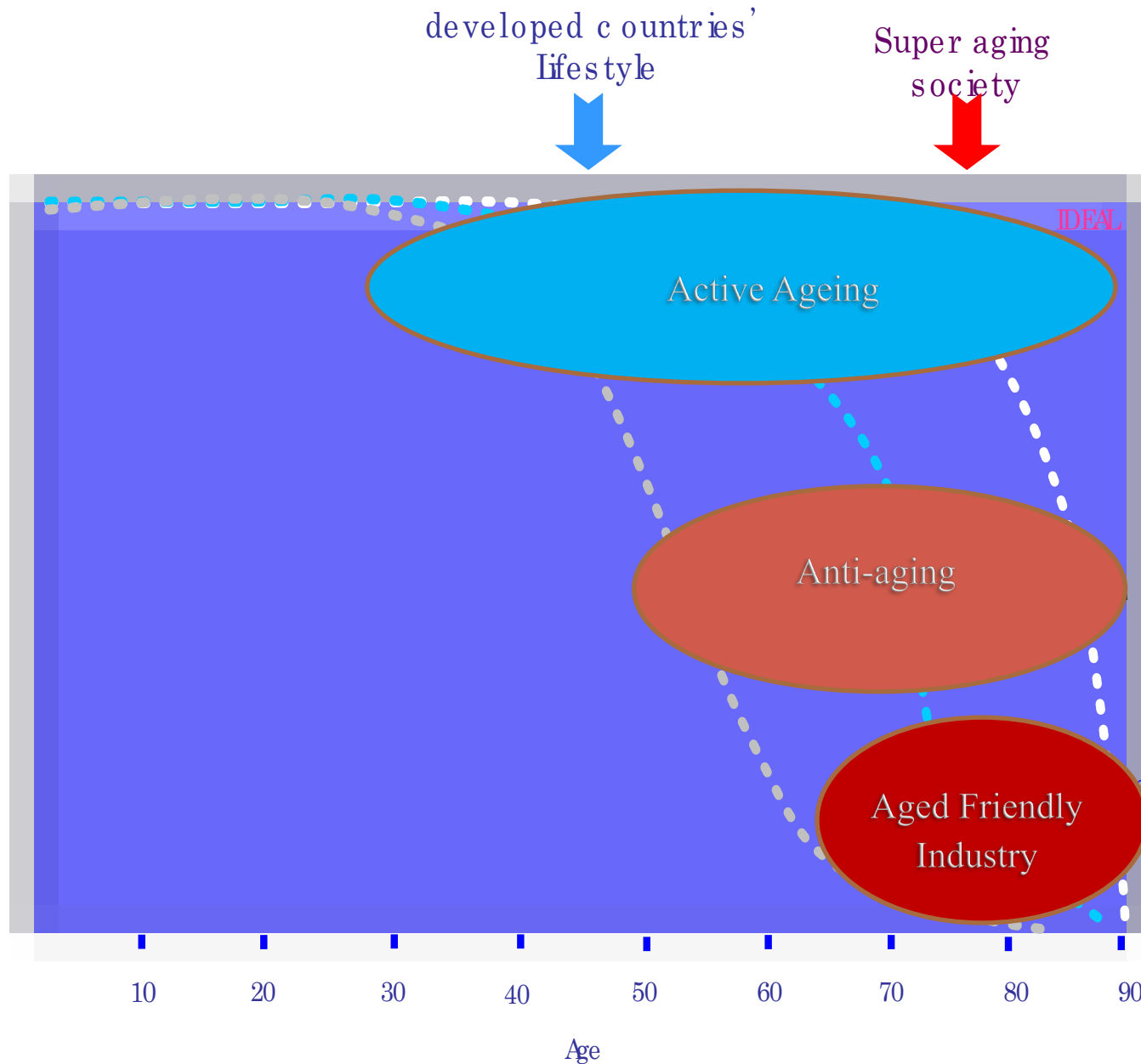
Health Life = 66
Without disease and injury

Un-Healthy Life for $17 + 8$ years
(골골 17 years)

What can we do?



Active Ageing, Anti-ageing, Aged Friendly Industry

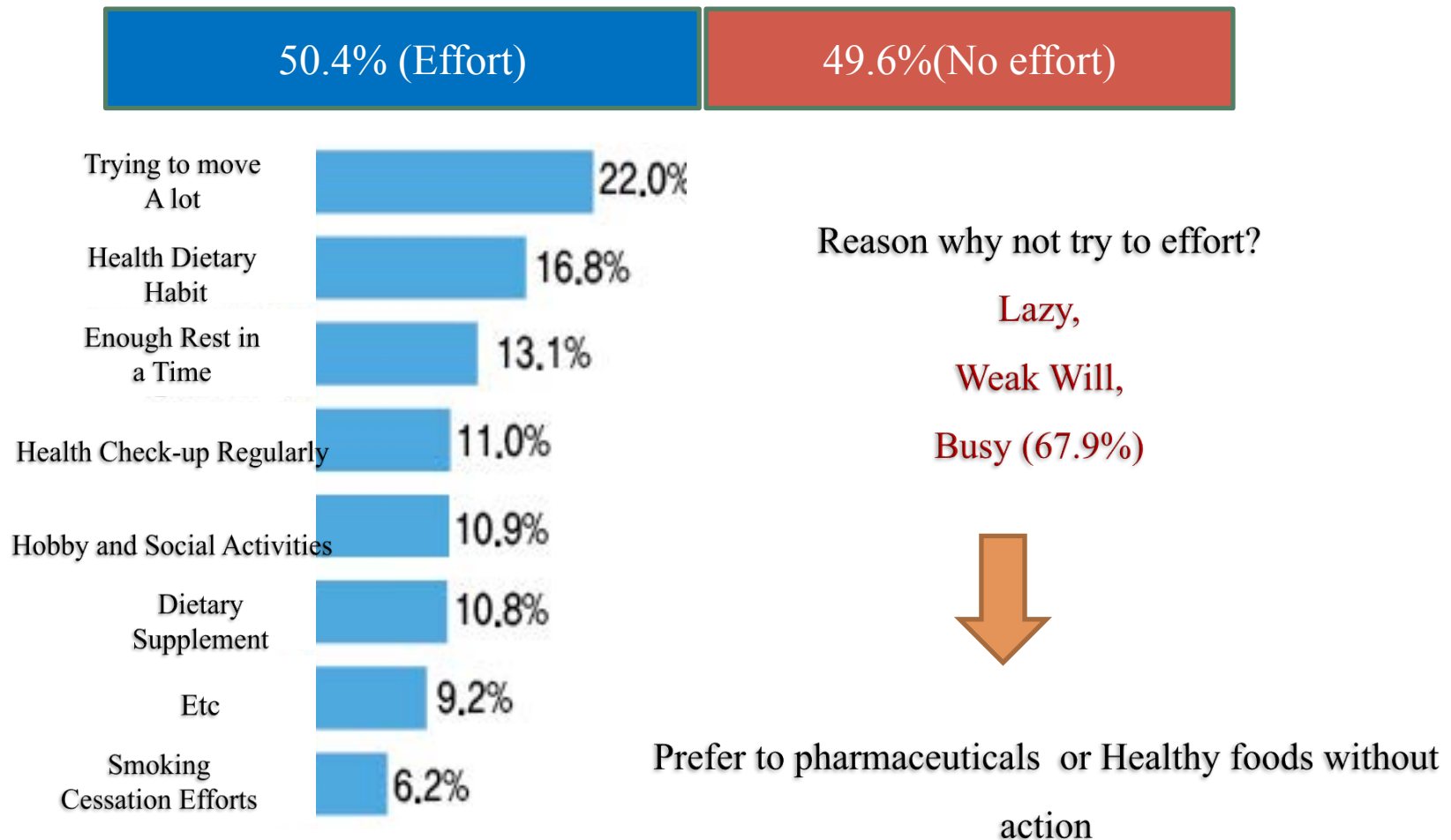


Healthy Life Style : Exercise and Dietary Habits



Leisure, Healthy foods

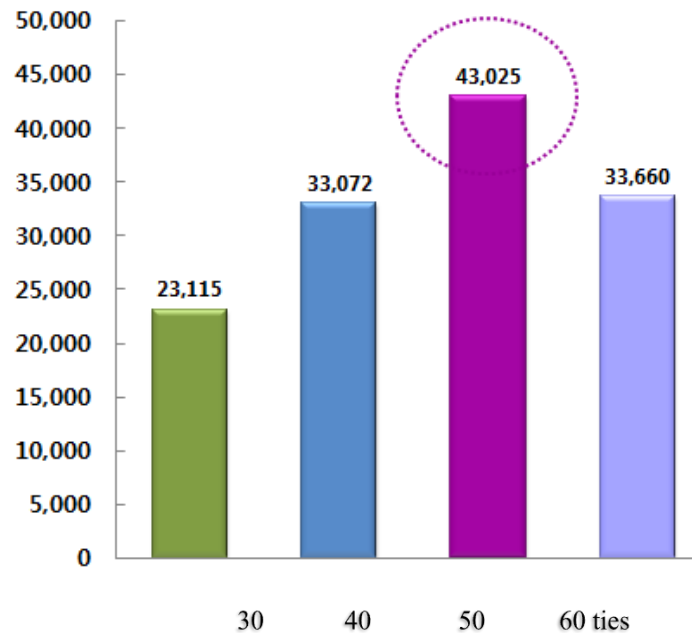
Action for Active Ageing: Life Style Change



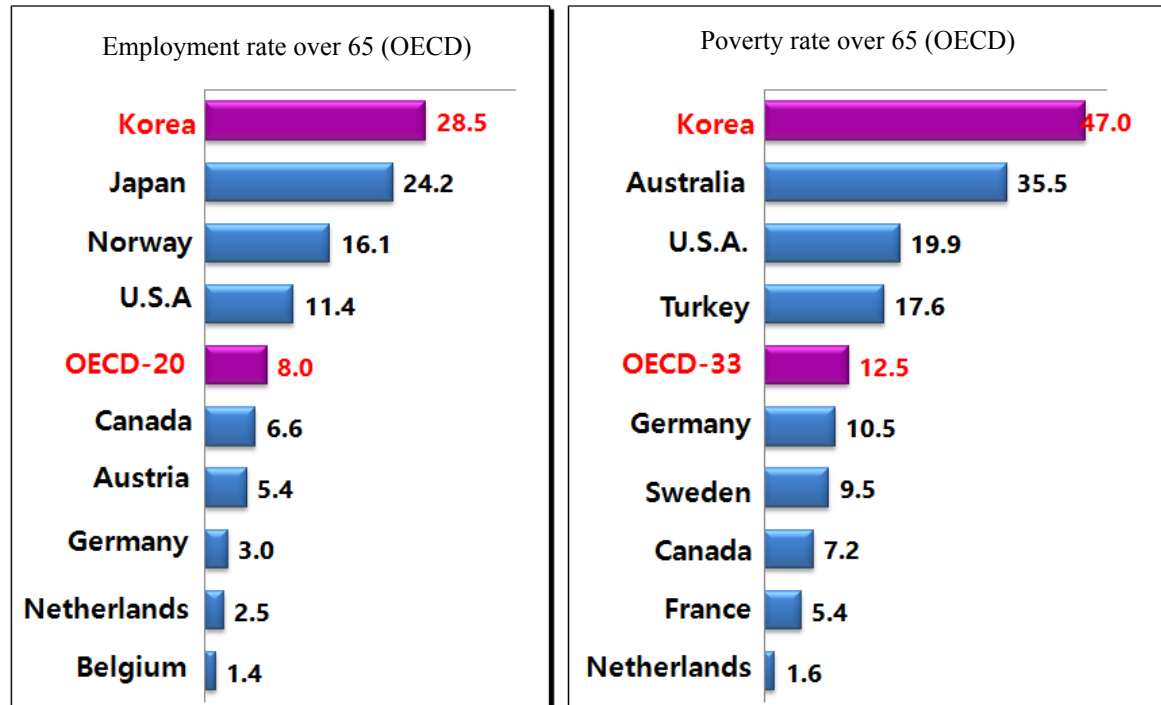
Economical Conditions over 65

Assets per Household

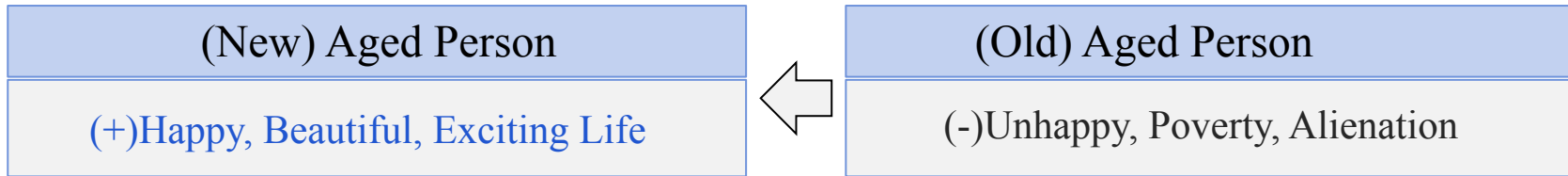
10 thousand Won



Economical Conditions over 65 in Korea



Policy of anti-ageing for Aged People



Denying ageing

Interesting in health and appearance

Interesting to work, getting job

Volunteering social activity

Studying, challenging to avoid boring

Age recognized as an elder
For over 60: 67.1 (EU), 70(Korea)
For all age : 63.9(EU), 66.7(Korea)

Global and Korean Anti-aging Market

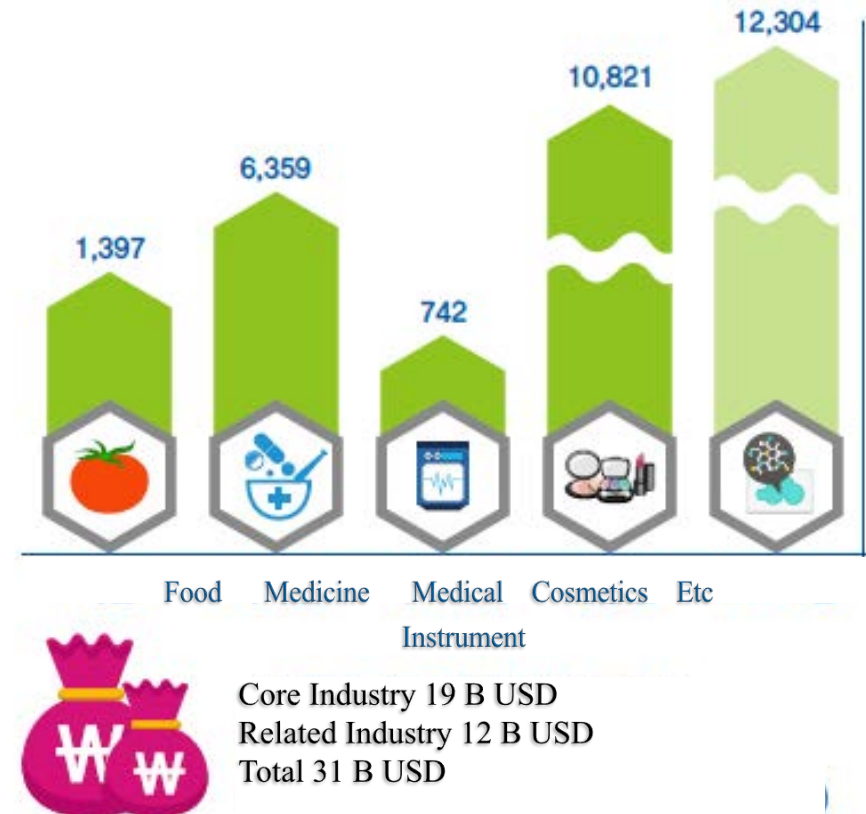
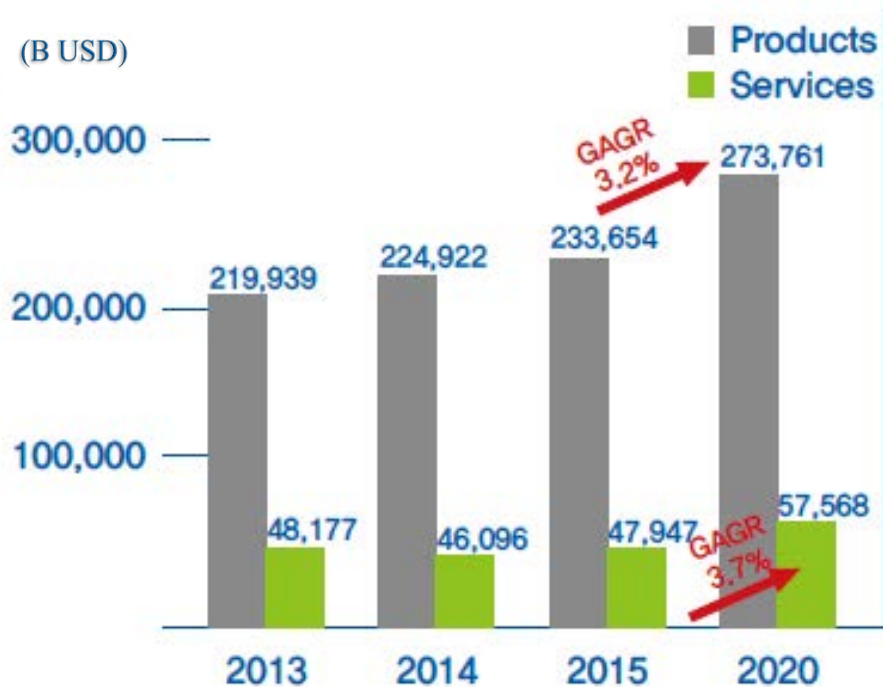
Annual Increasing

Anti-aging Products: 3.2% ('13-'20)

Anti-aging Service : 3.7%('13-'20)

Anti-ageing Industry in Korea : 19 B USD

(100 M Won)

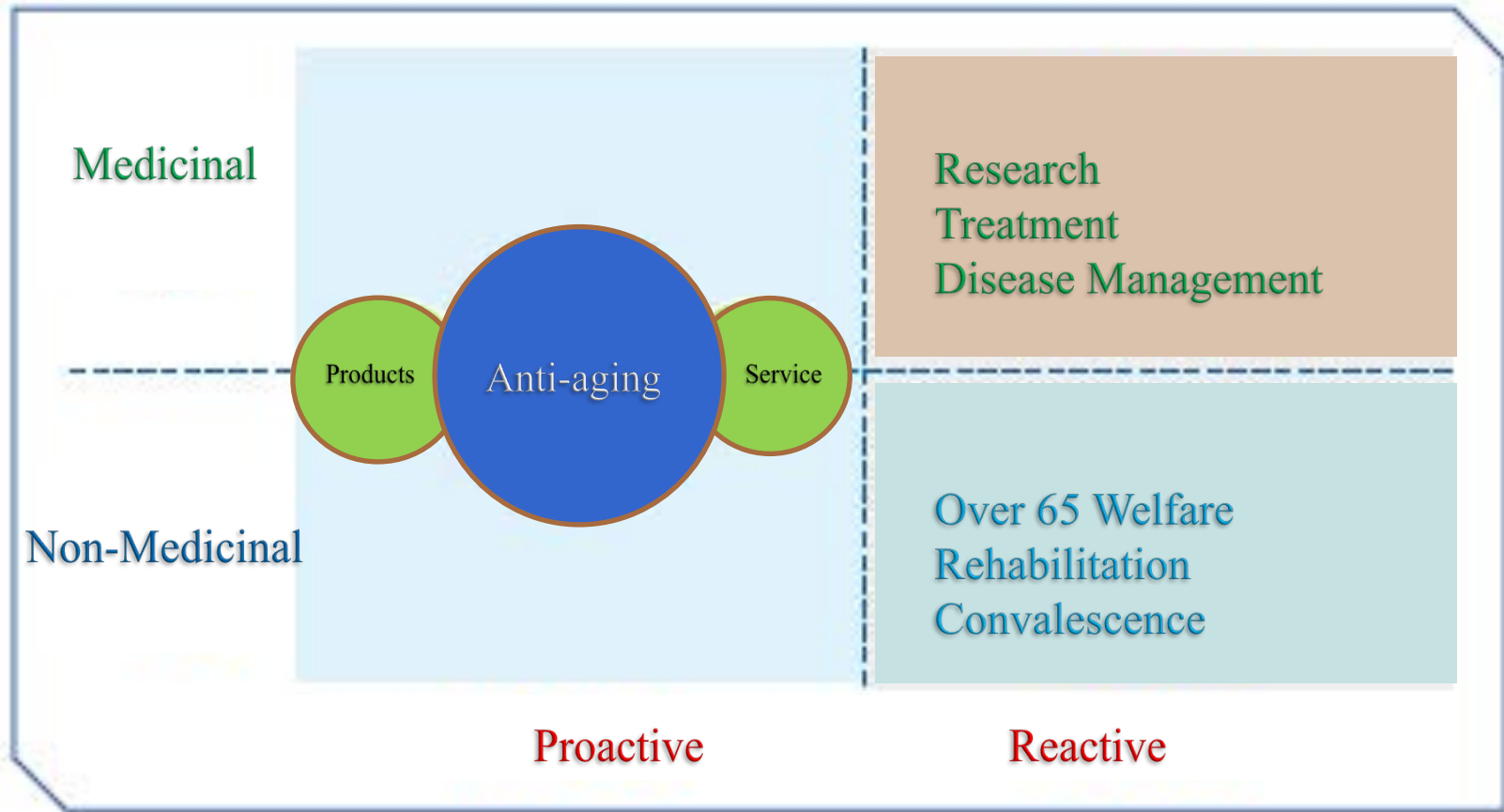


* 연관산업: 조사된 핵심 항노화산업 시장규모를 바탕으로 직접 및 간접/유인을 포함하여 전체 경제 파급에 따른 산출규모를 추정함 값

Aged Friendly Industry

Anti-ageing
(25-65)

Age Friendly Industry
(over 65)



National Policy of anti-ageing

Active Ageing

- Life style, Physical, Dietary habit
- Wellness care

Private
Anti-Ageing

Anti-ageing

- Research & Development
- Nutraceutical, medicine, cosmetic

Ageing
Research
Institute

- Research & Service
- Food behavior, social activities
- Health care

Aged Friendly Industry

- Facility production, treatment
- Medical care (Senior care)

Public
Anti-Ageing

Effectiveness, Treatment, Industry

→ Production

Individual, Society, Prevention, Natural

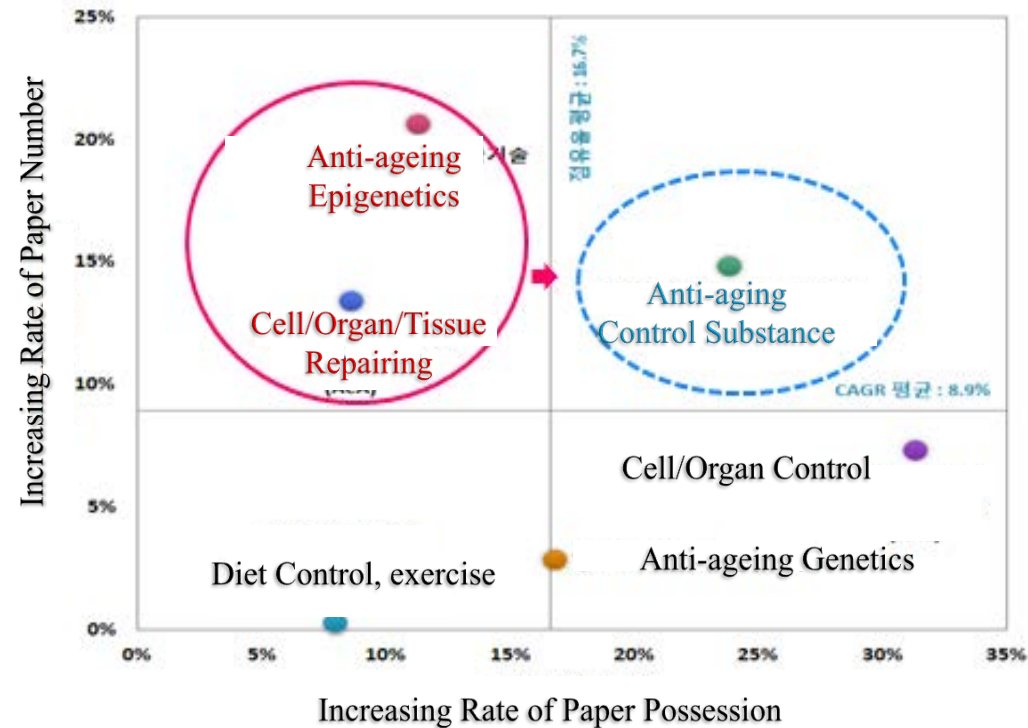
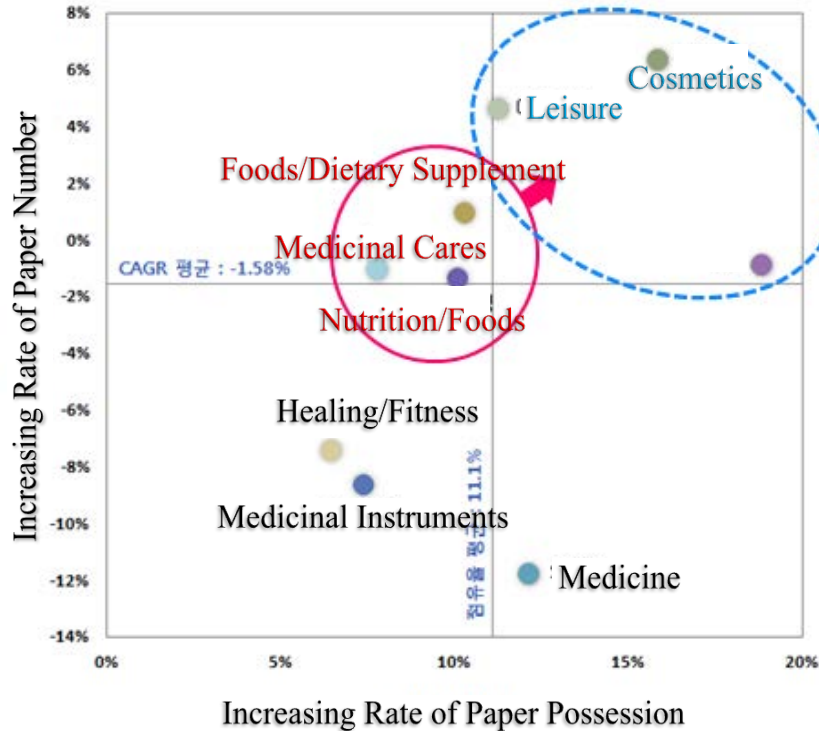
→ Happiness, Social, Value

Research on Anti-ageing : Industry and Service

Recent Research Trends for Anti-Ageing(%, papers)

Production	Pharmaceuticals (31.2%)
	Dietary Supplements(26)
	Anti-ageing Cosmetics(25.9)
	Medicinal Instruments(16.9)
Service	Nutrition/Food Service(25.6)
	Beauty Service(28.2)
	Fitness(13.8)
	Leisure/Sports(19.3)
	Medical Service(12.9)

Future Trends of Anti-ageing Research



Now : Cosmetics, Leisure, Beauty/ Screening/Control, Production

Future : Foods/dietary Supplements, Medicine, Nutrition and Services

Anti-ageing Nutri-epigenetics, Anti-aging Tissue, Organ Repairing Technology



Epidemic Research of KuKokSunDam : four local district

Kurye, Koksung, Sunchang, Damyang : Cholla Province



Centenarian : Park Bokdong (108), 2004



Epidemic Research

Typical Korean Diet, Namul, Kimchi, Bap, Kuk

Centenarian : without disease

Move (work) on own small field

By Park Sang-chul, Times, 2004

Korea Ageing Research Institute

