



Changes in Demographic landscape in East Asia: Thailand

By

Associate Professor Dr. Rossarin Gray

Director, Institute for Population and Social Research, Mahidol University

Present at ASEAN+3 Symposium on Strengthening Demographic Policy Cooperation, 1-3 April 2019,

The Sukosol Bangkok Hotel, Thailand

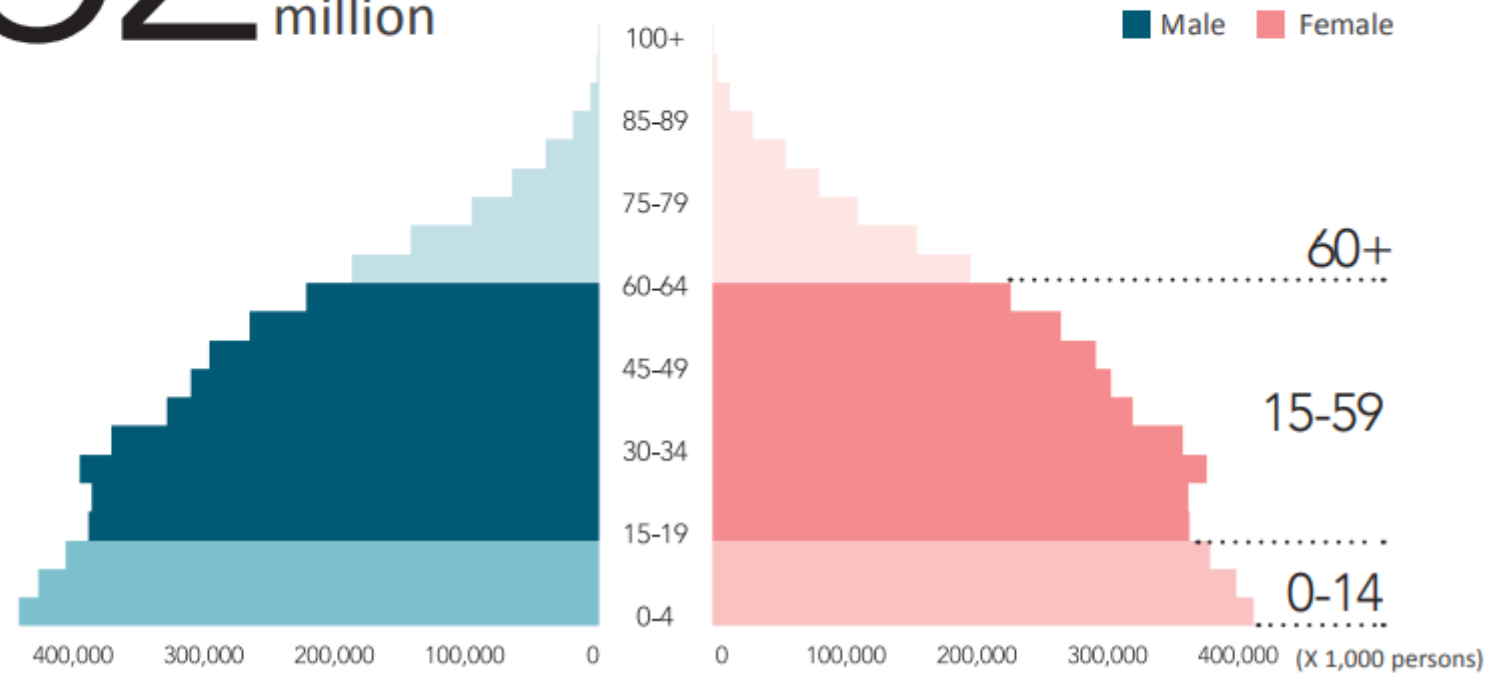
Outlines

- Ageing of the global population
- Ageing of population in ASEAN countries
- Ageing of Population in Thailand: causes and effects
 - Challenges: low fertility, declining labour force, increasing older people
- Policy concerning older persons in response to population ageing
- Situation of older people in relation to active ageing concept
- Challenge: Preparation for old age

Ageing of the global population

In 2017,
Population age
60 years or older

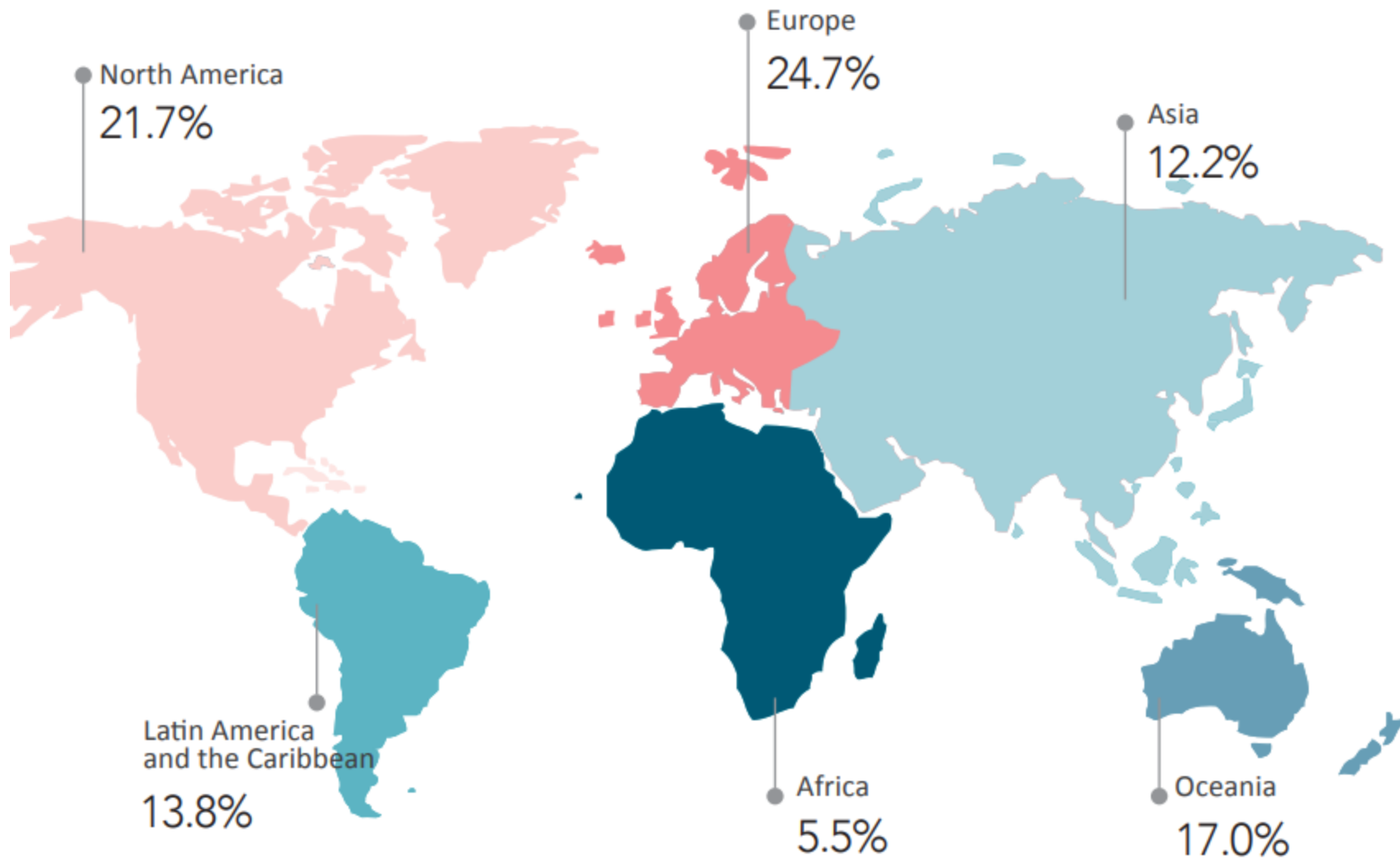
962 million



12.7 %

61.3 %

26.0 %



Source of data: UN, 2017

Top ten countries by highest proportion of the elderly:

1	Japan	33.4 %
2	Italy	29.4 %
3	Germany	28.0 %
4	Portugal	27.9 %
5	Finland	27.8 %
6	Bulgaria	27.7 %
7	Croatia	26.8 %
8	Greece	26.5 %
9	Slovenia	26.3 %
10	Latvia	26.2 %

Bottom ten countries by lowest proportion of the elderly:

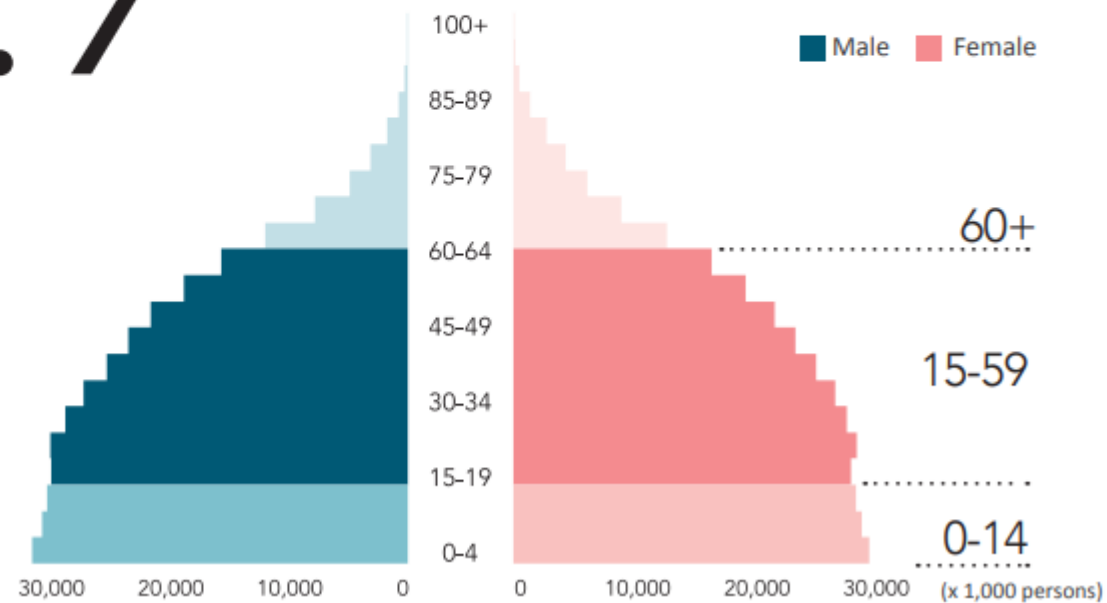
1	United Arab Emirates	2.4 %
2	Qatar	2.8 %
3	Uganda	3.3 %
4	Zambia	3.7 %
5	Gambia	3.8 %
6	Burkina Faso	3.9 %
7	Mali	4.0 %
8	Chad	4.0 %
9	Oman	4.0 %
10	Angola	4.0 %

Ageing of ASEAN population

In 2017,
ASEAN population of persons
age 60 years or older

63.9

million



9.9 %

63.9 %

26.2 %

ASEAN Member COUNTRY ELDERLY POPULATION

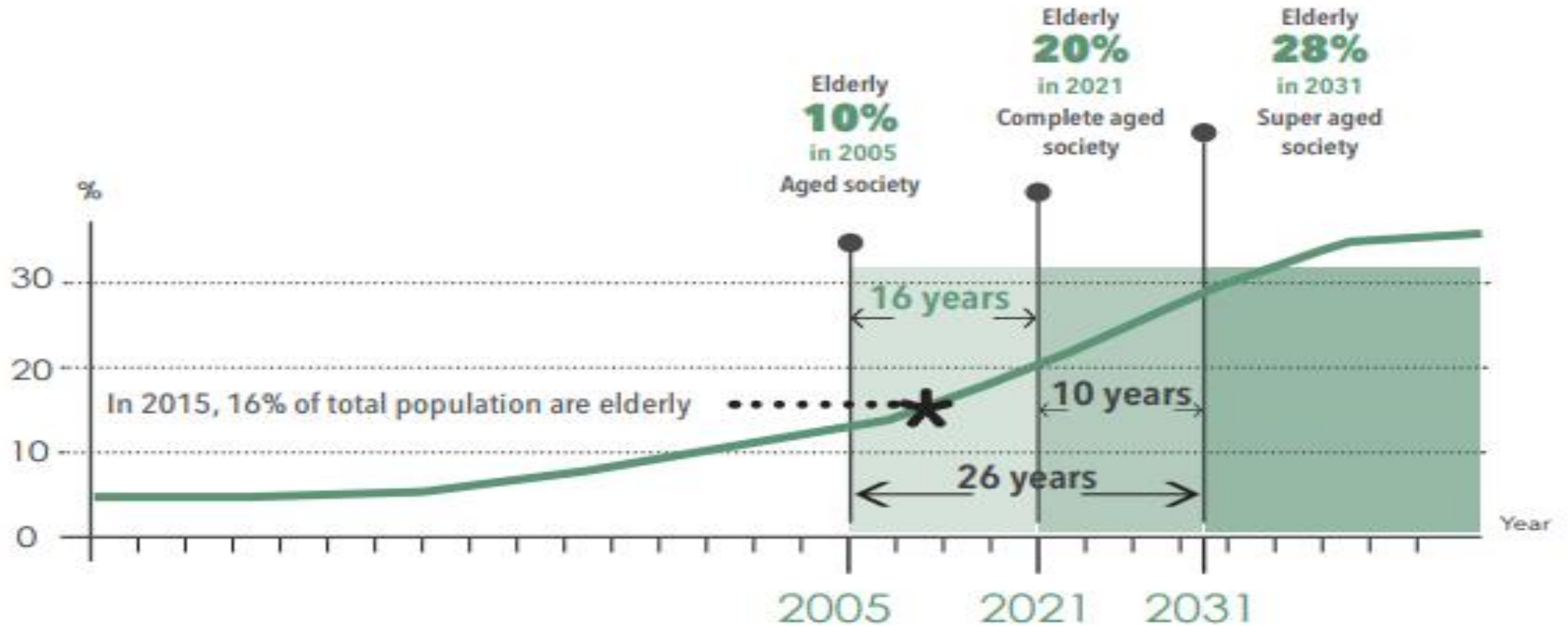
Country	1999		2017	
	N population (million)	% age 60+ years	N population (million)	% age 60+ years
Singapore	3.8	10.5	5.7	19.5
Thailand*	62.0	9.6	69.0	17.1
Viet Nam	79.4	8.6	95.5	11.1
Malaysia	22.9	6.1	31.6	9.7
Myanmar	47.1	7.1	53.4	9.5
Indonesia	208.6	7.2	264.0	8.6
Brunei Darussalam	0.3	4.0	0.4	8.0
Philippines	76.3	5.0	104.9	7.7
Cambodia	11.9	4.9	16.0	7.0
Lao PDR	5.3	5.4	6.9	6.3
TOTAL	517.6		647.4	

Source: : UN, 2017

Remarks: Number of Thai population is the UN estimate of the entire resident population, including those without Thai nationality or names not in the Civil Registration System.

Ageing population in Thailand

Speed of population ageing in Thailand

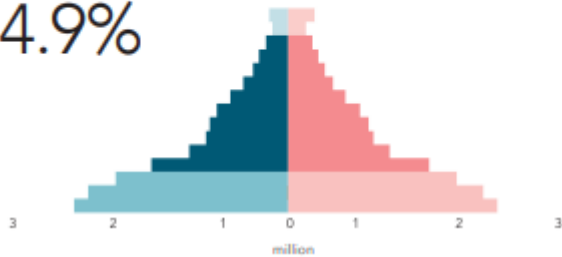


Changing age structure of population

1970

1.7 million persons
were age 60+ years, or

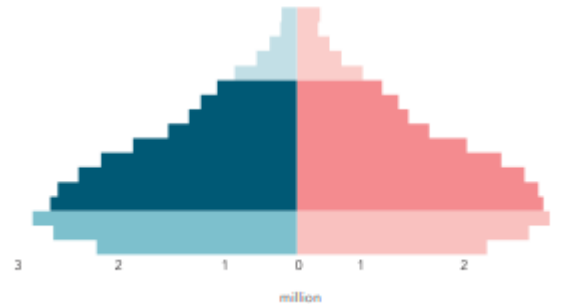
4.9%



1990

4 million persons
were age 60+ years, or

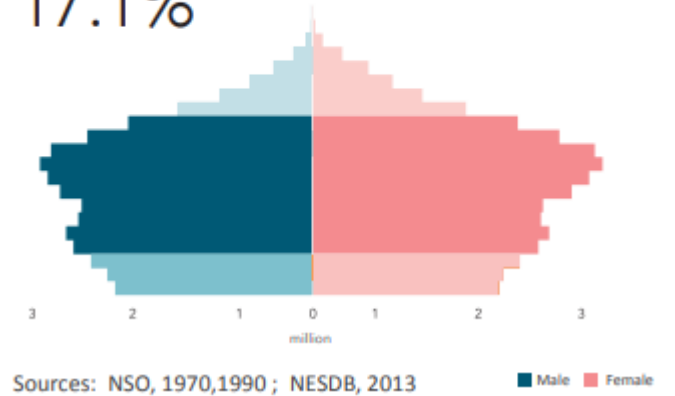
7.4%



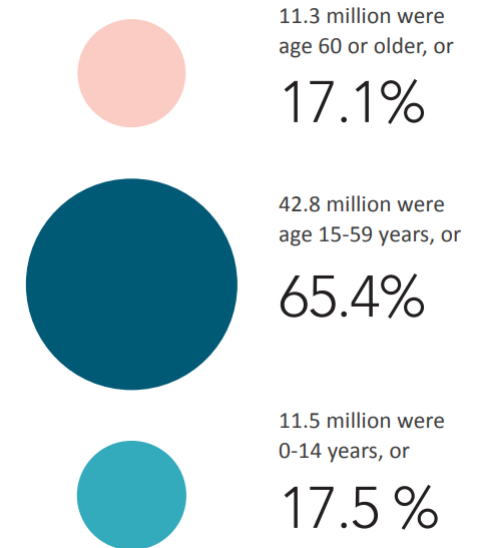
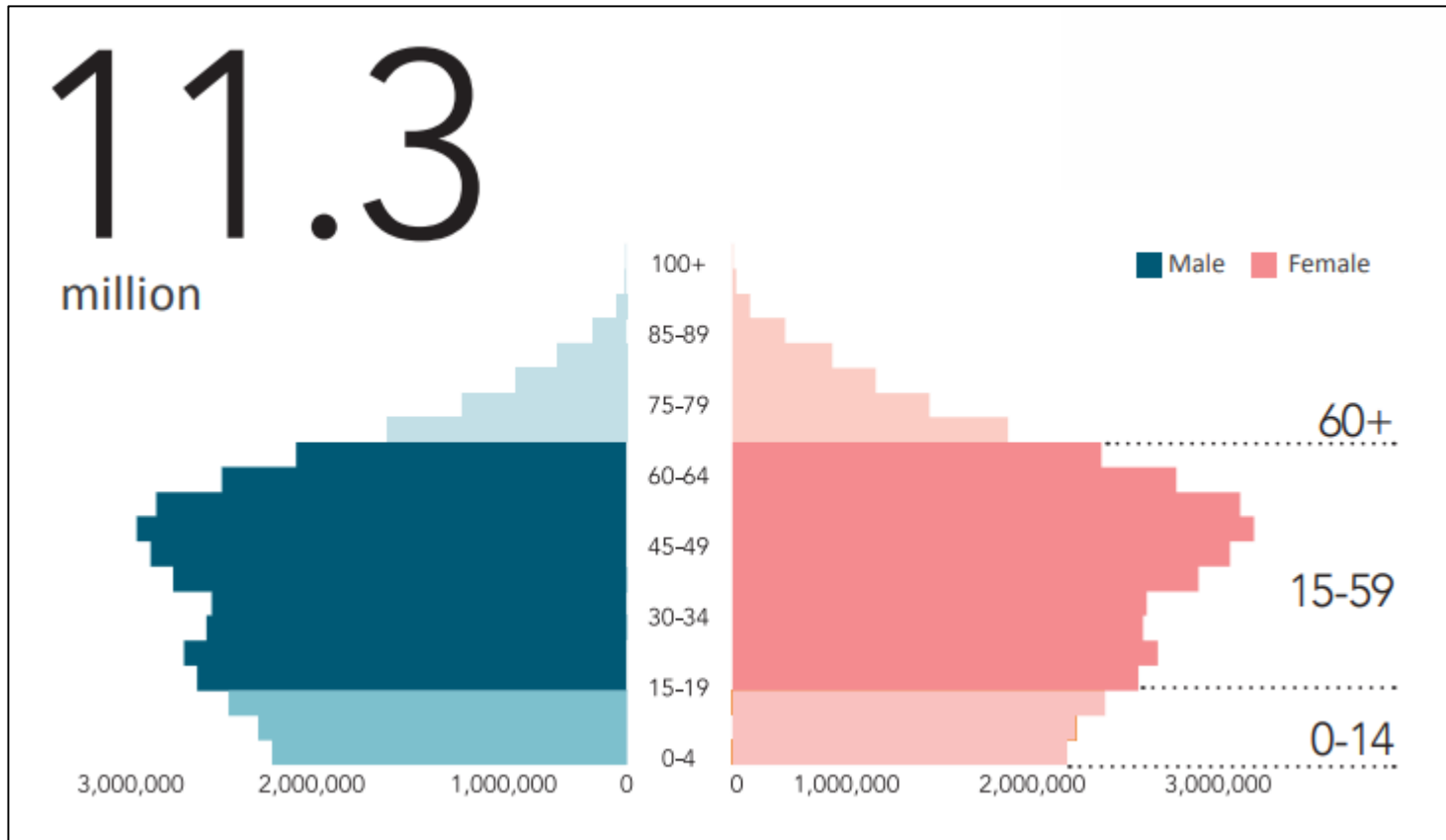
2017

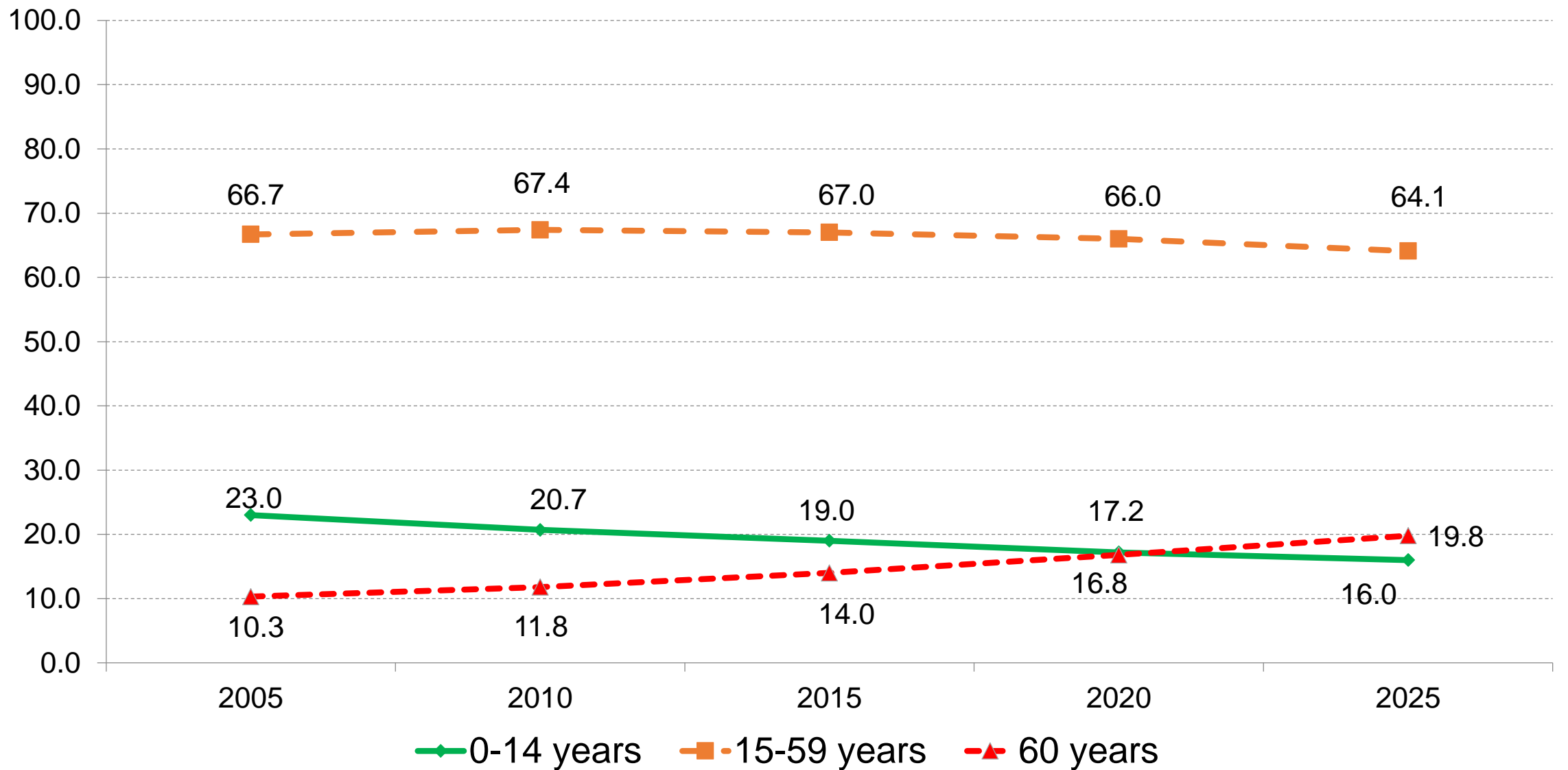
Population age 60+ years
= 11 million or

17.1%



In 2017, Population age 60+ years





Source: Gray, Rossarin Soottipong and Aphichat Chamrathirong. 2009. Thailand in *the International handbook on aging current research and developments*. Erdman B. Palmore, Frank Whittington and Suzanne Kunkel eds. Pp.563-578. ABC-CLIO, LLC.

Year	Aging index	Potential support ratio
	60+/0-14	15-59/60+
1960	10.6	11.3
1970	10.9	10.2
1980	14.4	10.2
1990	25.3	8.6
2000	38.9	7.0
2005	44.8	6.5
2010	57.0	5.7
2015	73.7	4.8
2020	97.7	3.9
2025	123.8	3.2

Source: Calculated from Gray, Rossarin Soottipong and Aphichat Chamrathirong. 2009. Thailand in *the International handbook on aging current research and developments*. Erdman B. Palmore, Frank Whittington and Suzanne Kunkel eds. Pp.563-578. ABC-CLIO,LLC.

Feminization of the Thai aged society

Age	2010			2025			2040		
	Male (thousand)	Female (thousand)	Sex Ratio	Male (thousand)	Female (thousand)	Sex Ratio	Male (thousand)	Female (thousand)	Sex Ratio
65-69	930	1,083	86	1,732	2,060	84	2,023	2,411	84
70-74	687	845	81	1,289	1,605	80	1,876	2,374	79
75-79	503	673	75	787	1,051	75	1,426	1,963	73
80-84	272	387	70	452	673	67	880	1,372	64
85-89	107	171	63	213	366	58	414	765	54
90+	47	86	55	94	197	47	145	346	42
65+	2,546	3,245	78	4,567	5,953	77	6,764	9,231	73
All Ages	31,084	32,705	95	32,084	34,286	94	30,580	33,284	92

Sex Ratio = Number of males per 100 females

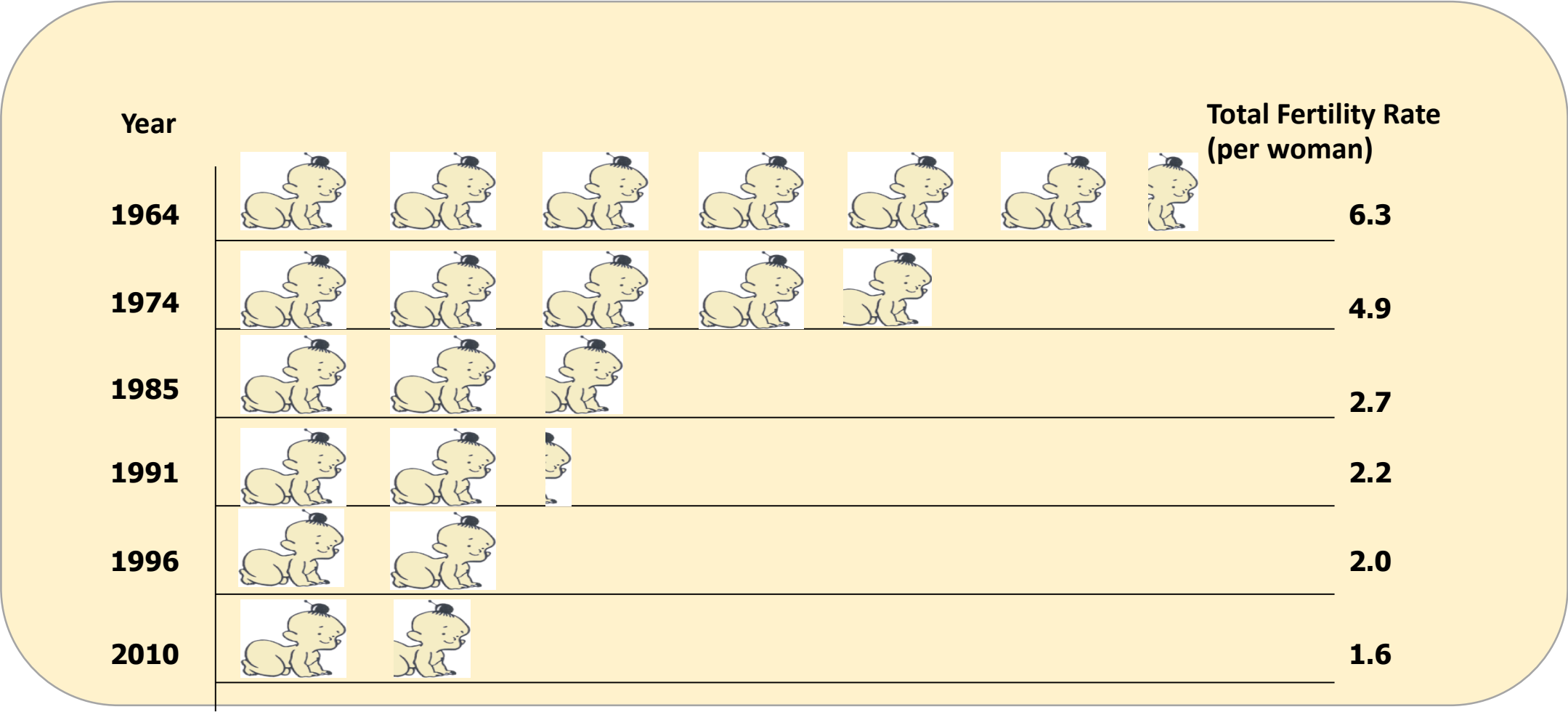
- The higher the age, the less males per 100 females.
- Among population age 65 years and over, there are less than 80 males per 100 females.
- Among the oldest old at 90 years old and over, the sex ratio is about 1 male to 2 females.

Life expectancy at birth (e_0), Thailand

Year	Total	Male	Female
1950-1955	50.7	48.7	52.9
1970-1975	61.0	58.5	63.6
1990-1995	72.3	68.9	75.9
2010-2015	74.4	71.1	75.7
2030-2035	77.6	74.5	80.6
2045-2050	79.5	76.6	82.4

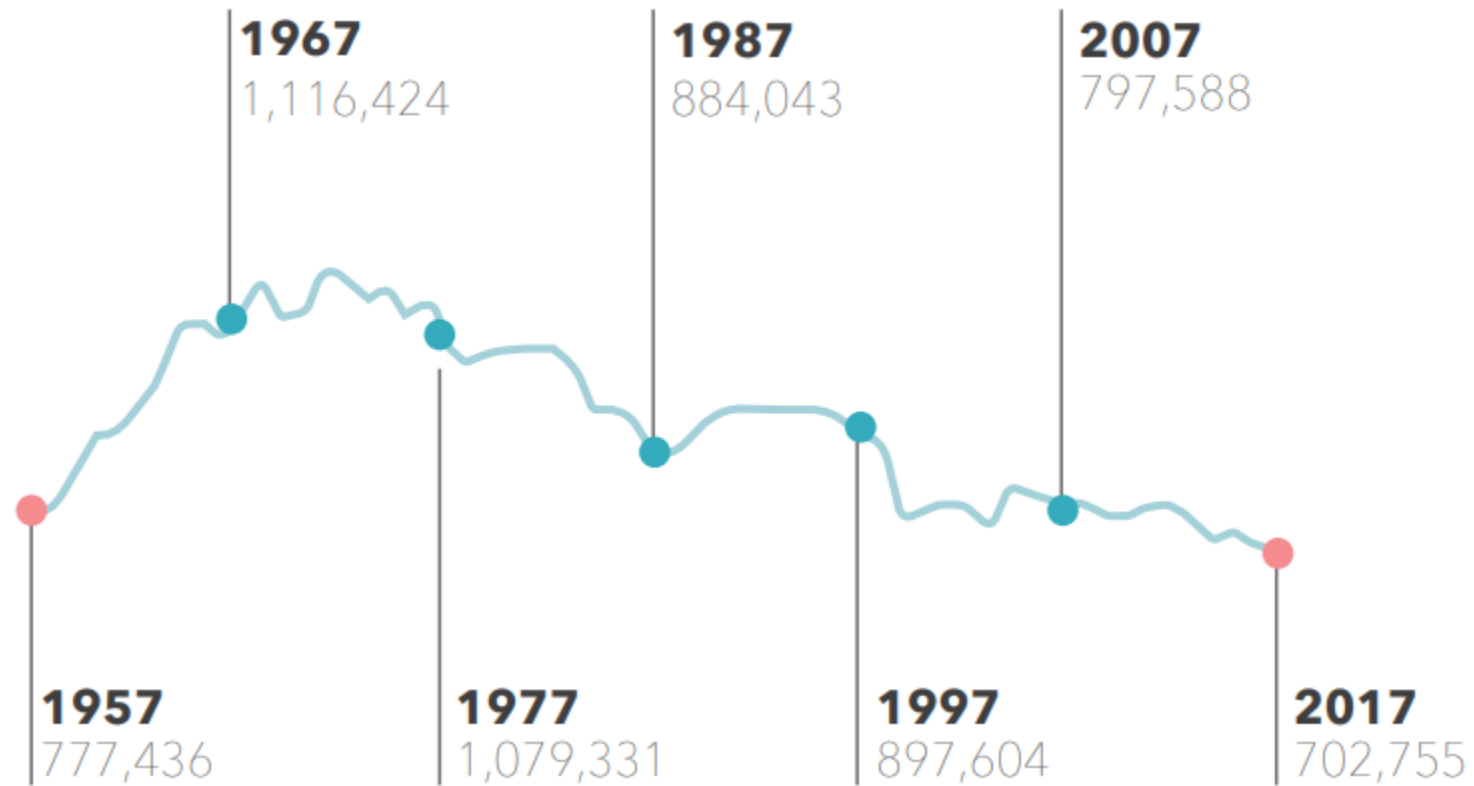
Source: UN Population Division World Population Prospects: The 2010 Revision (Estimates in 1950-2010 and Medium-Fertility variant in 2020-2050)

The TFR (average number of children a woman would have throughout her child-bearing period) dropped from **more than 6** before 1970 to 2 in 1990, to 1.6 at present, and is expected to decline to 1.3 in 2050.



Sources: year1964 1974 1985 and 1991: The report on the survey of population change in Thailand
year 1996: The survey of contraception in Thailand 1996
year 2010: Estimated by Institute for Population and Social Research, Mahidol University
Pramote Prasartkul, 2013

Number of births during 1957-2017



Source: The Bureau of Registration Administration, Ministry of Interior

Challenge: low fertility

Incentives to have more children

- The baby bonus tax allowance
 - Tax deduction for the first and second child
- Child care allowance under SSS
 - 600 Bath up to age 6 (3 children per family)
 - Legal migrant workers under SSS
- A tax intensive for operators setting ups day care centers for employee' s children at their workplaces.

Challenge: declining working age population

- Education policy (Human capital development)
- Upskilled Thai workers
- Migration policy

Policy concerning older persons in response to population ageing

Policy concerning older persons in response to population ageing

- **National five year plans by NESDB**
 - Starting with the Eight Plan (1997-2001)
 - Including a section on “isolated indigent elderly”
- **National long-term plans for elderly**
 - First (1986-2002)
 - In 1991, National Commission on the Elderly was established.
 - Second (2002-2021)
- **2003 Act on Older Persons**

2003 Act on Older Persons

- Persons aged 60 and over shall be entitled to protection, promotion and support in the following areas:
- For example
 - Convenient and expedient health services;
 - provision of monthly allowance where necessary;

Health programs

- 1989 –a free medical care program for disadvantaged older persons
- 1992 to all older persons
 - registered “ elderly card”
- 2001 universal minimal cost government health (30 baht)
- 2007 free universal government health regardless of age

Monthly old age allowances

- 1993 -200 baht to indigent persons aged 60 and over
- 2009: 500 baht (a uniform rate)relaxing eligibility
- 2012: Multiple rate system
 - 60 – 69: 600 Baht
 - 70 – 79: 700 Baht
 - 80 – 89: 800 Baht
 - 90 and over: 1,000 Baht

Situation of Older People in Relation to Active Ageing Concept

Challenge: Active ageing; Right based approach

Three pillars:

- Health
- Economic Security
- Social participation

Pillar 1: Health

Percent of the elderly assessed themselves as “not good/bad” health, 2002-2017

YEAR	60-69 years old	70-79 years old	80 + years old	TOTAL
2002	19.7	29.6	40.0	24.5
2007	18.5	30.0	41.4	24.4
2011	11.3	19.7	29.9	15.9
2017	9.5	18.4	32.1	15.2

Source: Analysis of Data from the Survey of Older Persons in Thailand:
2002, 2007, 2011, 2017 (weighted)

Pillar 1: Health

Percent of ability of the elderly to perform daily essential tasks by oneself

YEAR	60-69 years old	70-79 years old	80 + years old	TOTAL
2002	98.7	96.9	88.1	97.2
2007	98.2	96.0	85.2	96.3
2011	98.6	96.9	85.9	96.8
2017	97.8	95.2	81.3	94.8

Source: Analysis of Data from the Survey of Older Persons in Thailand:
2002, 2007, 2011, 2017 (weighted)

Pillar 1: Health

Percent of elderly with diabetes by age: 2002-17

YEAR	60-69 years old	70-79 years old	80 + years old	TOTAL
2002	8.8	8.0	6.0	8.3
2007	13.5	13.9	10.5	13.3
2011	14.7	16.0	13.8	15.0
2017	15.2	19.3	16.3	16.5

Source: Analysis of Data from the Survey of Older Persons in Thailand: 2002, 2007, 2011, 2017 (weighted)

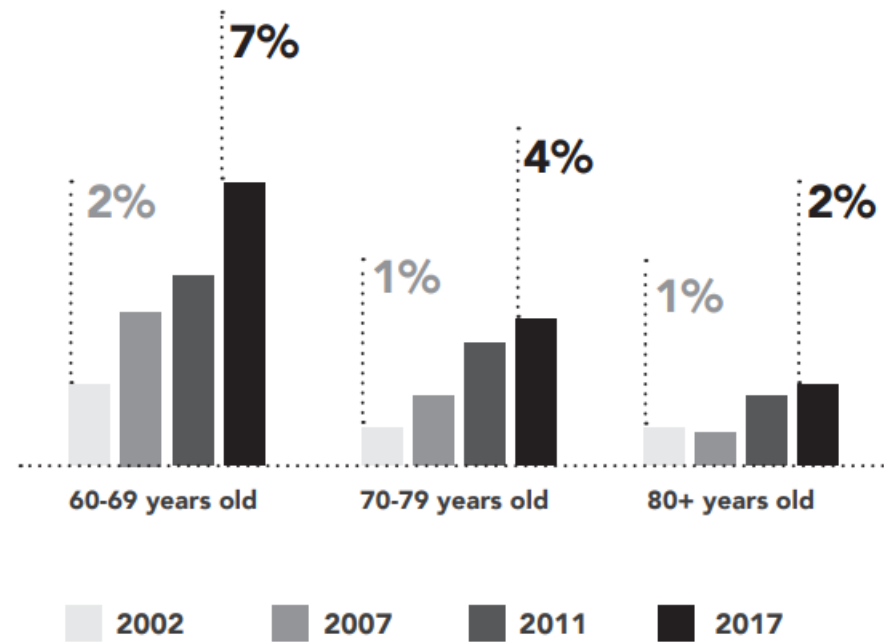
Pillar 1: Health

Percent of elderly	2002	2011	2017
With diabetes	8.3	15.0	16.5
With hypertension	20.0	33.7	33.6
Regular cigarette smokers			
Males		16.8	15.1
Females		1.7	0.9
Regularly consuming alcohol			
Males		5.8	4.0
Females		1.4	0.9
Exercise regularly	16.0	37.8	26.3

Source: Analysis of data from the Survey of Older Persons in Thailand, 2002,2011 and 2017 (weighted)

Pillar 2: Economic security

Percent of elderly who had college education or higher education by age, 2002-17



Source: Analysis of Data from the Survey of Older Persons in Thailand: 2002, 2007, 2011, 2017 (weighted)

Pillar 2: Economic security **employment**

Percent of elderly employment by age, 2012-17

YEAR	60-69 years old	70-79 years old	80 + years old	TOTAL
2002	42.8	17.5	4.5	32.2
2007	47.6	22.3	7.4	35.7
2011	53.1	22.1	5.7	38.3
2017	51.4	18.9	4.0	35.5

Source: Analysis of Data from the Survey of Older Persons in Thailand:
2002, 2007, 2011, 2017 (weighted)

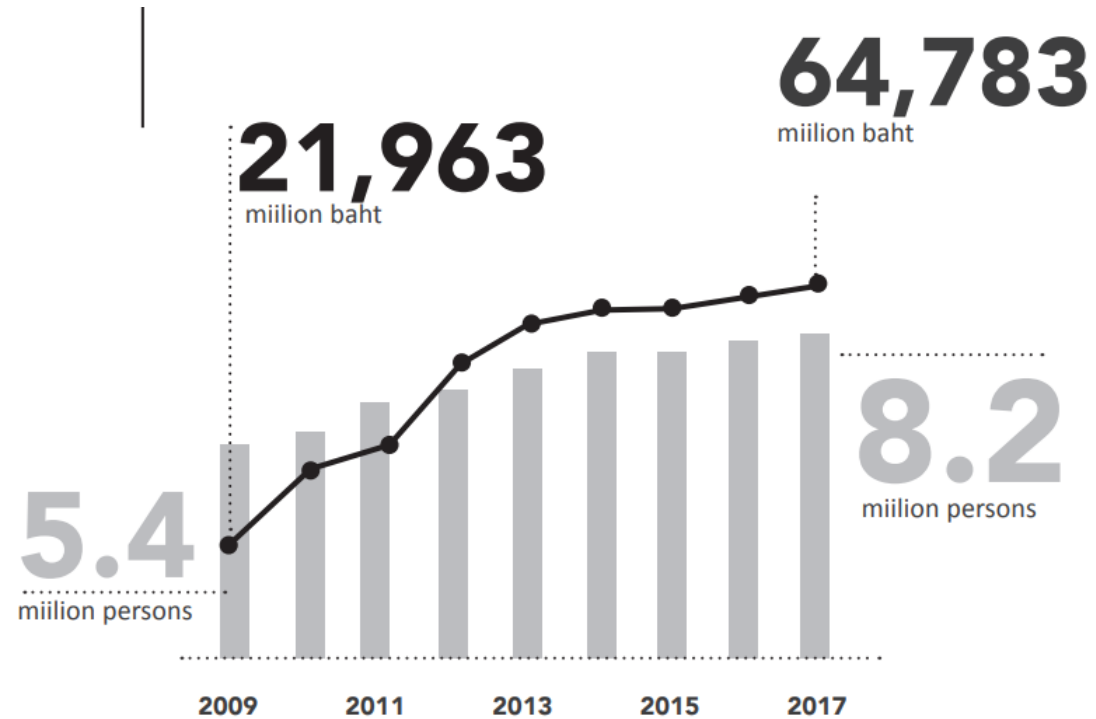
Pillar 2: Economic security **principal source of income**

Percent of Source of Income of elderly, 2007-17

Source of Income	2007	2011	2017
Child(ren)	52.3	40.1	34.9
Employment	28.9	35.1	30.9
Spouse	6.1	11.4	19.9
Saving	2.9	2.6	2.3

Source: Analysis of Data from the Survey of Older Persons in Thailand:
2002, 2007, 2011, 2017 (weighted)

Pillar 2: Economic security **monthly allowance**

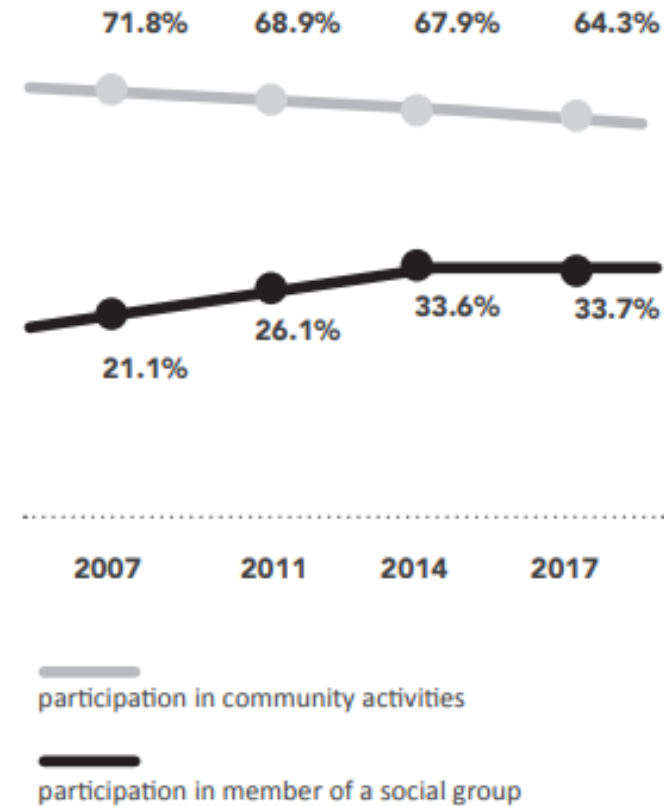


Source of data: Elderly 2009-17; amount of elderly welfare subsidy payments based on data from local administrative organizations, the BMA, and Pattaya Municipality

—●— Amount (Baht)
■ N. of person

Pillar 3: Social participation

Percent elderly membership in a club
: 2007-17



Source: The Survey of Older Persons in Thailand:
2007, 2011, 2014, 2017

Pillar 3: Social participation **schools for Elderly**

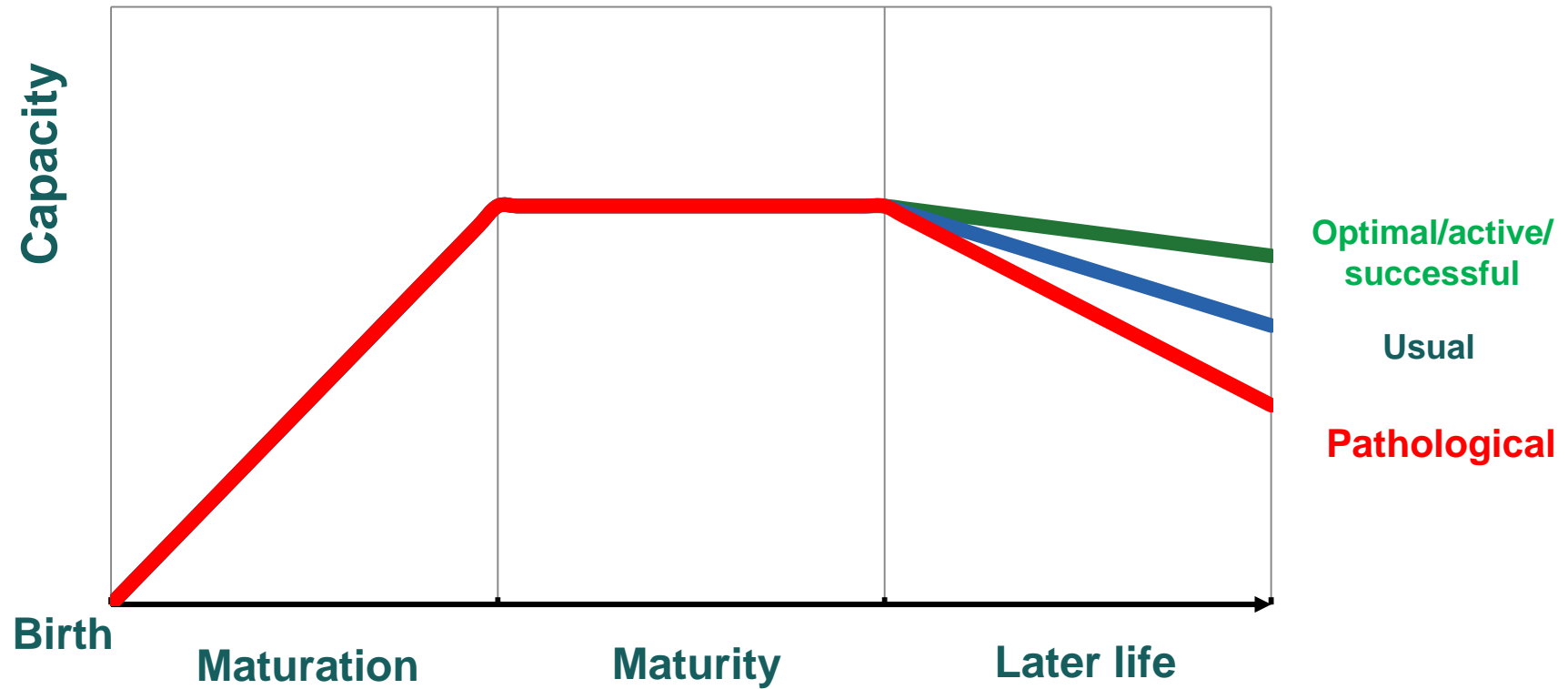
Senior Citizens Learning Centers by Region

Region	Before Sept. 2016	Sept. 2016- Sept. 2017	Oct. 2017- Dec.2017	Total (Centers)	N Students
Central	59	148	0	207	9,537
North	217	205	5	427	24,628
North East	201	217	0	418	25,062
South	11	88	0	99	4,923
Bangkok	0	12	0	12	160
Total	488	670	5	1,163	64,310

Source: The Survey of Founding of Schools for Elderly,
31 December 2017, Department of Older Person

Challenges: Preparation for old age

Maintaining capacity over the life course

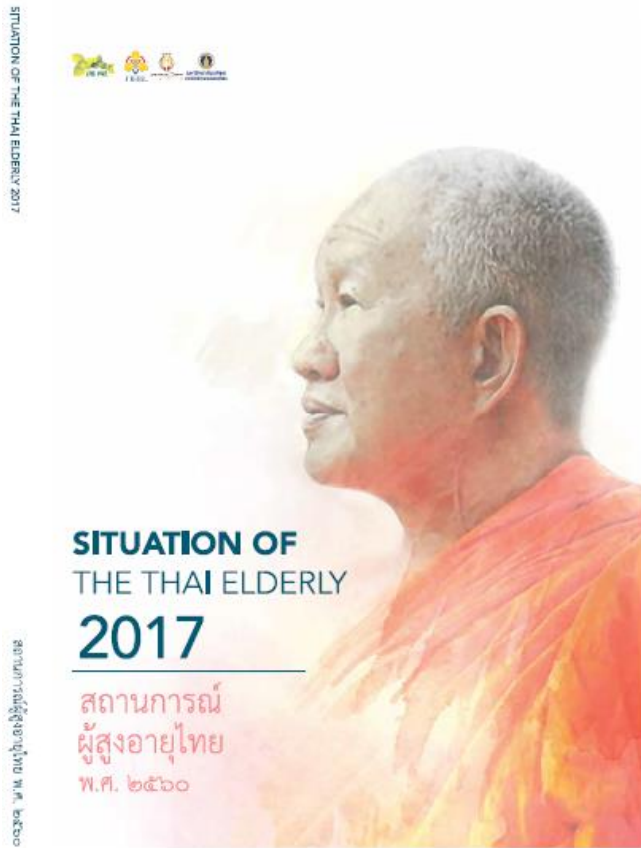


Source: Abou-Saleh & Katona, 2011

Acknowledgement:

Main data source is from

The Situation of the Thai Elderly Report 2017 is a product of the National Committee for the Elderly(NCE) as mandated in the 2003 Act on the Elderly, Article 9(10) to provide an annual update for the Cabinet.



Foundation of Thai Gerontology Research and Development Institute and Institute for Population and Social Research, Mahidol University

Chief editor: Emeritus Prof. Dr. Pramote Prasartkul