Aging and Health Policy in China

Chenkai Wu рhd, мрн, мs

Assistant Professor

Duke Kunshan University

Duke University





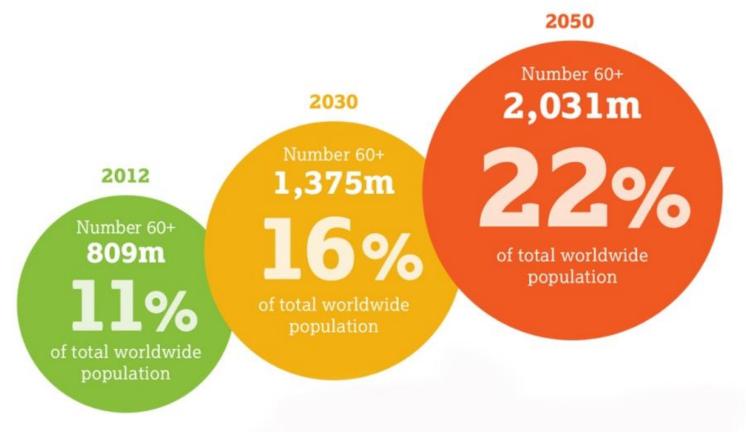




- 1. Overview of Population Aging in China
- 2. Health Policies in China

Overview of Population Aging in China

The World is Getting Older

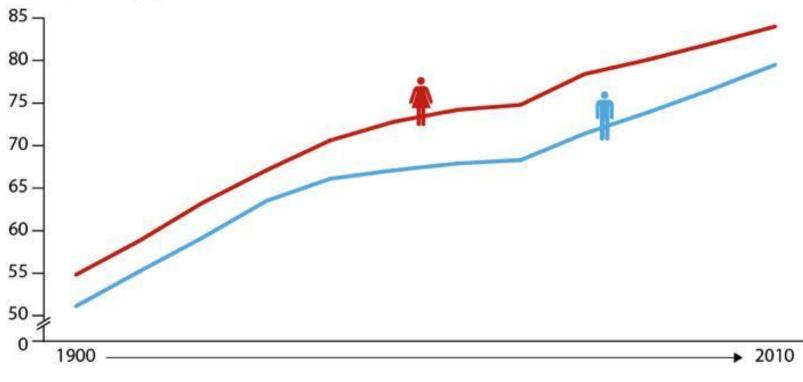


80+ years: 0.13 billion in 2015 - 0.43 billion in 2050

We are Living Longer

Life expectancy at birth since 1900

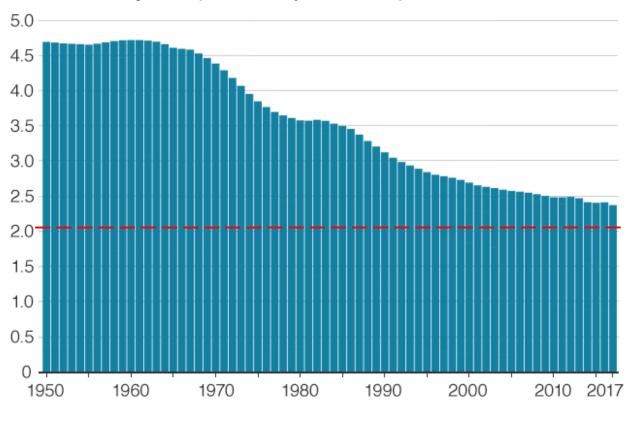
Life expectancy (years)



We are Having Fewer Kid

Women are having fewer children

Global fertility rate (livebirths per woman)



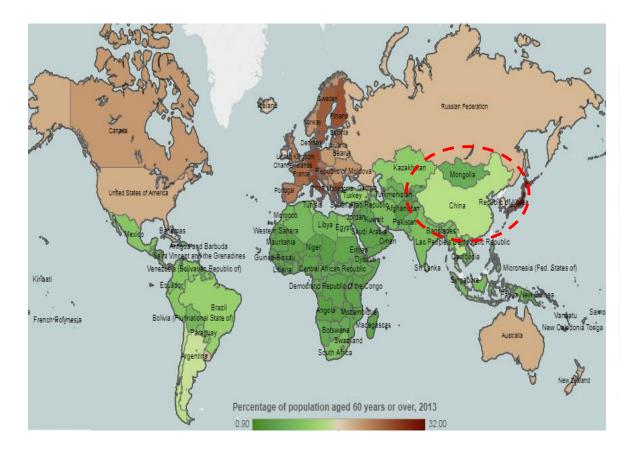
BBC

Number of New Births Declining in China

China Economy

China's birth rate falls again, with 2018 producing the fewest babies since 1961, official data shows

- New births in China fell to 15.23 million last year, the lowest since China relaxed its onechild policy in 2014.
- It also marks the lowest official birth rate in China since 1961, however there are widely held concerns about the historical data collection, experts said

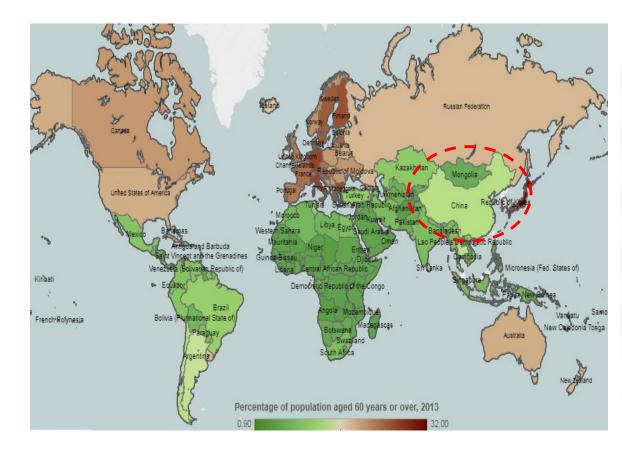


Which nations have the highest percentage of people aged 60+?	COMMITTED TO MPROVING THE STATI OF THE WORLD
Japan	
Italy	
Germany	
Finland	+-
Sweden	
Bulgaria	
Greece	
Portugal	۲
Croatia	
Channel Islands, UK	Ж

Source: Global Agenda Council on Ageing Society

Ranking of China?

WØRLD



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Source: Global Agenda Council on Ageing Society

Ranking of China?

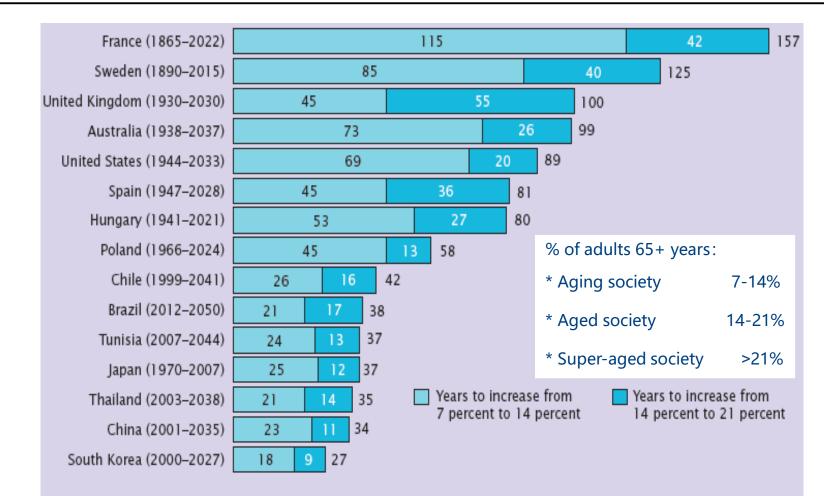
 85^{th}

WORLD

Country	60+ years (million)
China	215
India	117
US	66
Japan	44
Russia	29
Brazil	24
Germany	22
Indonesia	21
Italy	17

Country	60+ years (million)	Country	Total population (million)
China	215	China	1393
India	117	India	1267
US	66	US	323
Japan	44	Indonesia	253
Russia	29	China (60+)	215
Brazil	24	Brazil	202
Germany	22	Pakistan	185
Indonesia	21	Nigeria	179
Italy	17	Bangladesh	158

Population Aging is Accelerating

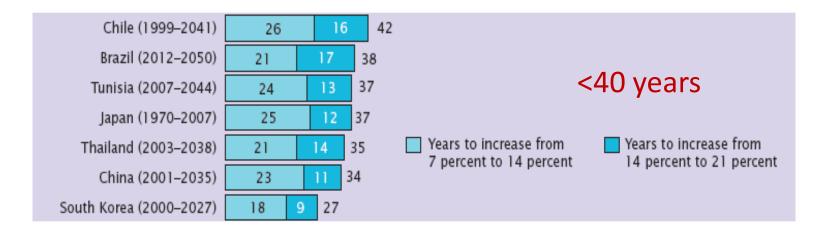


Sources: Kinsella and Gist, 1995; U.S. Census Bureau, 2013, 2014; International Data Base, U.S. population projections.

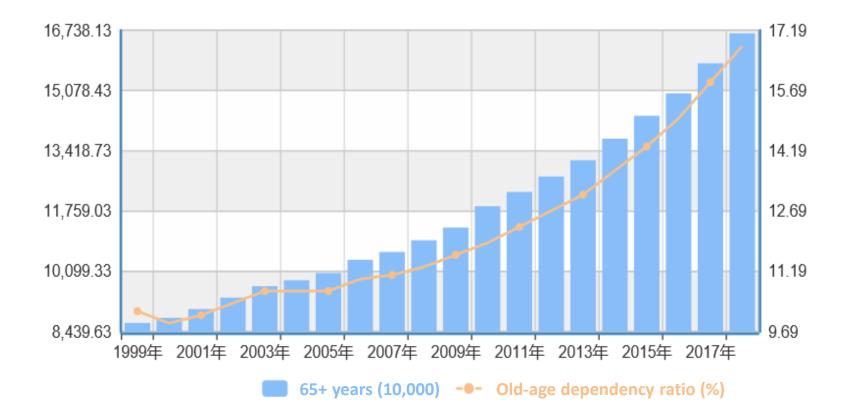
Population Aging is Accelerating



Population Aging is Accelerating



Old-Age Dependency Ratio



Health Policies in China

UN's 2030 Sustainable Development Goals

25-27 Sep. 2015, New York City

High-level plenary meeting



UN General Assembly adopted the 2030 Agenda for Sustainable Development

- Wipe out poverty, fight inequality, and tackle climate change
- 17 goals
- 169 targets

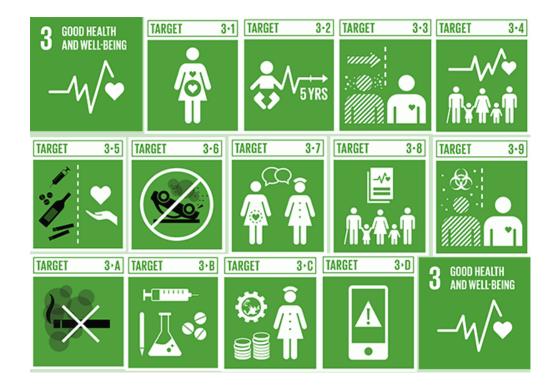
UN's 2030 SDGs





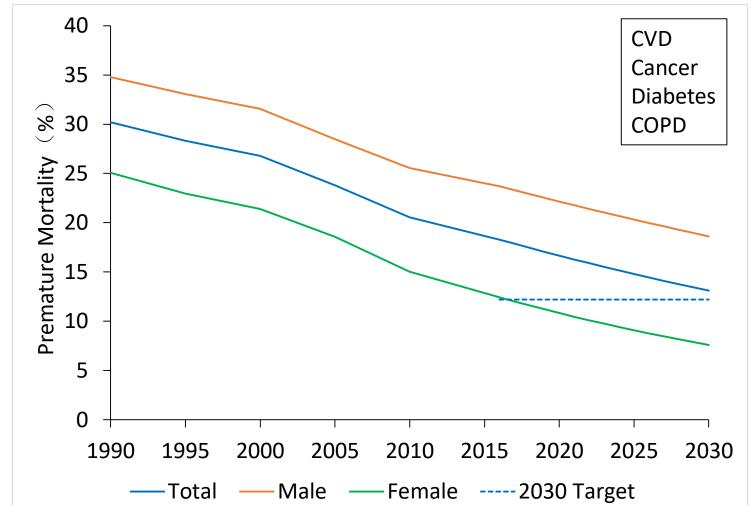
Ensure healthy lives and promote well being for all at all ages

- 1. Maternal mortality
- 2. Neonatal & under-5 mortality
- 3. Infectious diseases
- 4. Premature mortality
- 5. Substance use
- 6. Road injuries & deaths
- 7. Sexual & reproductive health
- 8. Universal health coverage
- 9. Environmental health



SDG: Premature Mortality Projection

Premature mortality from four NCDs combined in China, 1990-2030



20

SDG: Premature Mortality Projection

	CVD	CVD Cancer		COPD
		Wor	nen	
2016	5.9%	5.7%	0.41%	0.93%
2030	3.5%	4.1%	0.26%	0.33%
Reduction	40.1%	28.4%	37.8%	65.0%
		M	en	
2016	11.4%	11.7%	0.45%	1.99%
2030	9.3%	9.8%	0.38%	0.91%
Reduction	19.1%	16.7%	15.1%	54.0%

Healthy China 2030 Plan

On 25 Oct. 2016, the Central Government and State Council issued the

Outline of the Healthy China 2030 Plan.

- A national medium- and long-term strategic plan in the health sector
- A blueprint and action plan for the development of Healthy China
- Approaches for implementing the country's commitment to the SDGs

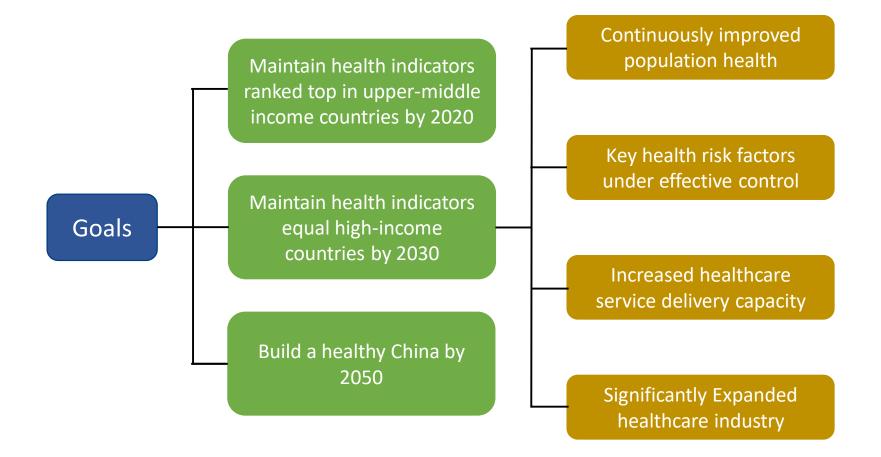
Healthy China 2030 Plan

On 15 Jul. 2019, the Central Government and State Council issued the

Healthy China Initiative

- Outlines the full implementation of the Healthy China 2030 blueprint
- Healthy China Program (2019-2030) will be printed and published

Healthy China 2030: Strategic Goals



https://www.sahealth.sa.gov.au/wps/wcm/connect/d39abd8041032c76a711ff1afc50ebfc/1645+Ning+Zhuang.pdf?MOD=AJPERES&CACHEID=ROOTWORKSPACEd39abd8041032c76a711ff1afc50ebfc-mMFIFcK

Healthy China 2030: Key Indicators

Domains	Indicators	2015	2020	2030
	Life expectancy (year)	76.34 8.1	77.3 7.5	79.0 5.0
	Under-five mortality (‰)	10.7	9.5	6.0
Health status	Maternal mortality (1/100,000)	20.1	18.0	12.0
	People meeting the fitness standards defined in the National Physical Fitness Standards (%)	89.6 (2014)	90.6	92.2
	Health literacy (%)	10	20	30
Healthy living	Frequent physical exercises (100 million)	3.6 (2014)	4.35	5.3
Health	Premature death rate from major chronic diseases (%)	19.1 (2013)	10% lower than 2015	30% lower than 2015
service and	Practicing or assistant physicians per 1,000	2.2	2.5	3.0
protection	Out-of-pocket payment as a share of total health expenditures (%)	29.3	Around 28	Around 25
Healthy	Percentage of days with good air quality in cities at prefecture or above level (%)	76.7	>80	Continuous improvement
environment	Percentage of surface waters at or above level III (%)	66	>70	Continuous improvement
Healthcare industry	Total size of healthcare industry (trillion Yuan)	-	>8	16

13th Five-year Plan of China (2016-2020)

Development of Senior Affairs and Elderly Care System

Category	Indicator	Goal
Social cocurity	Basic pension insurance participation rate	>90%
Social security	Basic medical insurance participation rate	>95%
Eldorby coro	Public elderly care facilities	<50%
Elderly care	Nursing home facilities	>30%
Health support	Health literacy	>10%
	Hospitals with geriatric department	>35%
	Health management rate	>70%
Culture and	Townships with educational institution for the elderly	>50%
education	Participation in educational activities	>20%
Civic engagement	Volunteer rate	>12%
	Coverage rate of senior associations in urban and rural communities	>90%

Filial piety (xiao): kids caring for elderly parents financially and emotionally

Article 49 of the Constitution of China:

"Parents have the duty to rear and assist their minor children, and children who have come of age have the duty to support and assist their parents."

However, the role of family in providing LTC has substantially declined

- One child policy
- Migration

Long-Term Care Policies in China

In 2009, the Central Government proposal a care service model:

- Family provides primary care
- Community serves as a back-up
- Institutional care is only a supplement

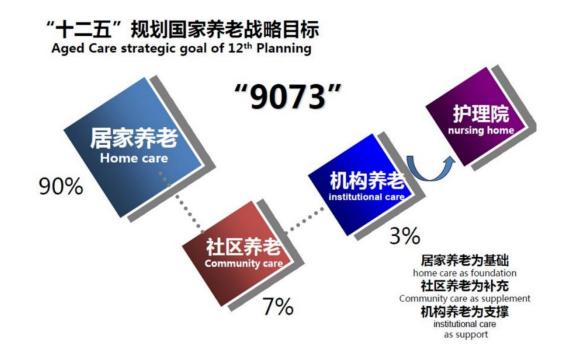
Beijing: "90-6-4" model

Shanghai: "90-7-3" model

Long-Term Care Policies in China

In 2011, the State Council published its 12th Five-Year Plan of China:

- Aging Undertaking Development (2011-2015)
- Social Care Service System Construction Plan (2011 2015)



Overview of ADL Disability in China

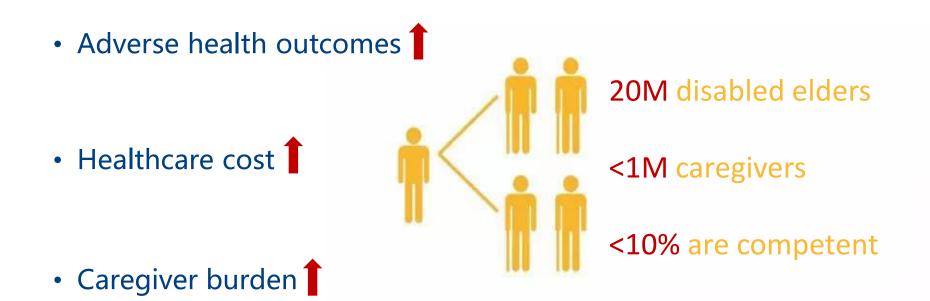
Data source	Year	Mild (%)	Moderate (%)	Severe (%)	Total (%)
CLHLS	2011	7.5	1.3	1.7	10.5
CHARLS	2011	7.8	1.6	1.9	11.3
SSAPUR	2010	11.8	0.6	1.0	13.4

CLHLS: Chinese Longevity and Health Longitudinal Survey

CHARLS: China Health and Retirement Longitudinal Study

SSAPUR: Sample Survey of the Aged Population in Urban/Rural China

Overview of ADL Disability in China



Data Source: Survey Report on the Living Conditions of China's Urban and Rural Older Persons

Long-Term Care Insurance in China

Since 2010, the Central Government has encouraged pilot projects to

identify the most suitable LTC insurance model.

"Opinions on the Establishment of a LTC Insurance System"

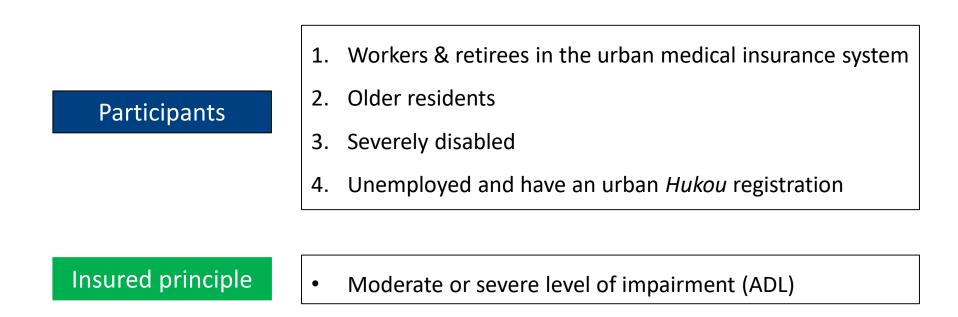
Qingdao model



Qingdao, Shandong Province

Participants

- 1. Workers & retirees in the urban medical insurance system
- 2. Older residents
- 3. Severely disabled
- 4. Unemployed and have an urban *Hukou* registration



Participants	1. 2. 3. 4.	Workers & retirees in the urban medical insurance system Older residents Severely disabled Unemployed and have an urban <i>Hukou</i> registration
Insured principle	•	Moderate or severe level of impairment (ADL)
Funding source	•	Urban medical insurance system (0.5%) Fiscal system (from Public Welfare Fund; 20M per year)

Service content

- 1. Home-based LTC
- 2. LTC in institutions
- 3. LTC in hospitals

Service content

- 1. Home-based LTC
- 2. LTC in institutions
- 3. LTC in hospitals
- 1. Paid to care providers directly
- 2. CNY 60 per bed per day for home-based and institution-

based care

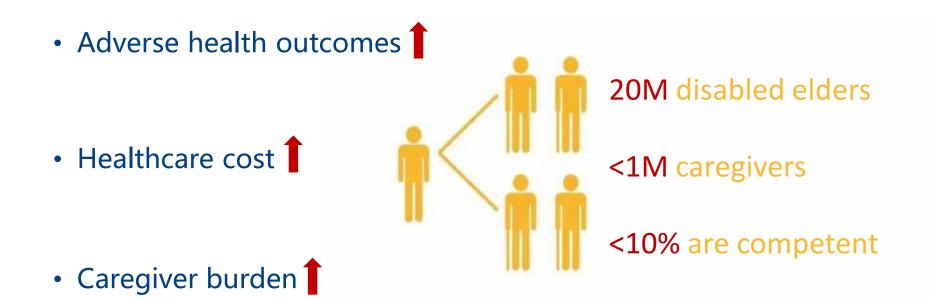
- 3. CNY 60 per bed per day in Grade II hospitals
- 4. CNY 200 per bed per day in Grade I hospitals

Insured content

Challenges: Heterogeneity



Challenges: Lack of Skilled Caregivers



Data Source: Survey Report on the Living Conditions of China's Urban and Rural Older Persons

China Health And Retirement Longitudinal Study



Chinese Longitudinal Healthy Longevity Survey

• To have a better understanding of the determinants of healthy

longevity among Chinese older adults.

- Largest sample of centenarians in the world
- Initially 80+ years
- 65+ years were added since 2004





Chenkai.Wu@Duke.edu