

Alzheimer's disease

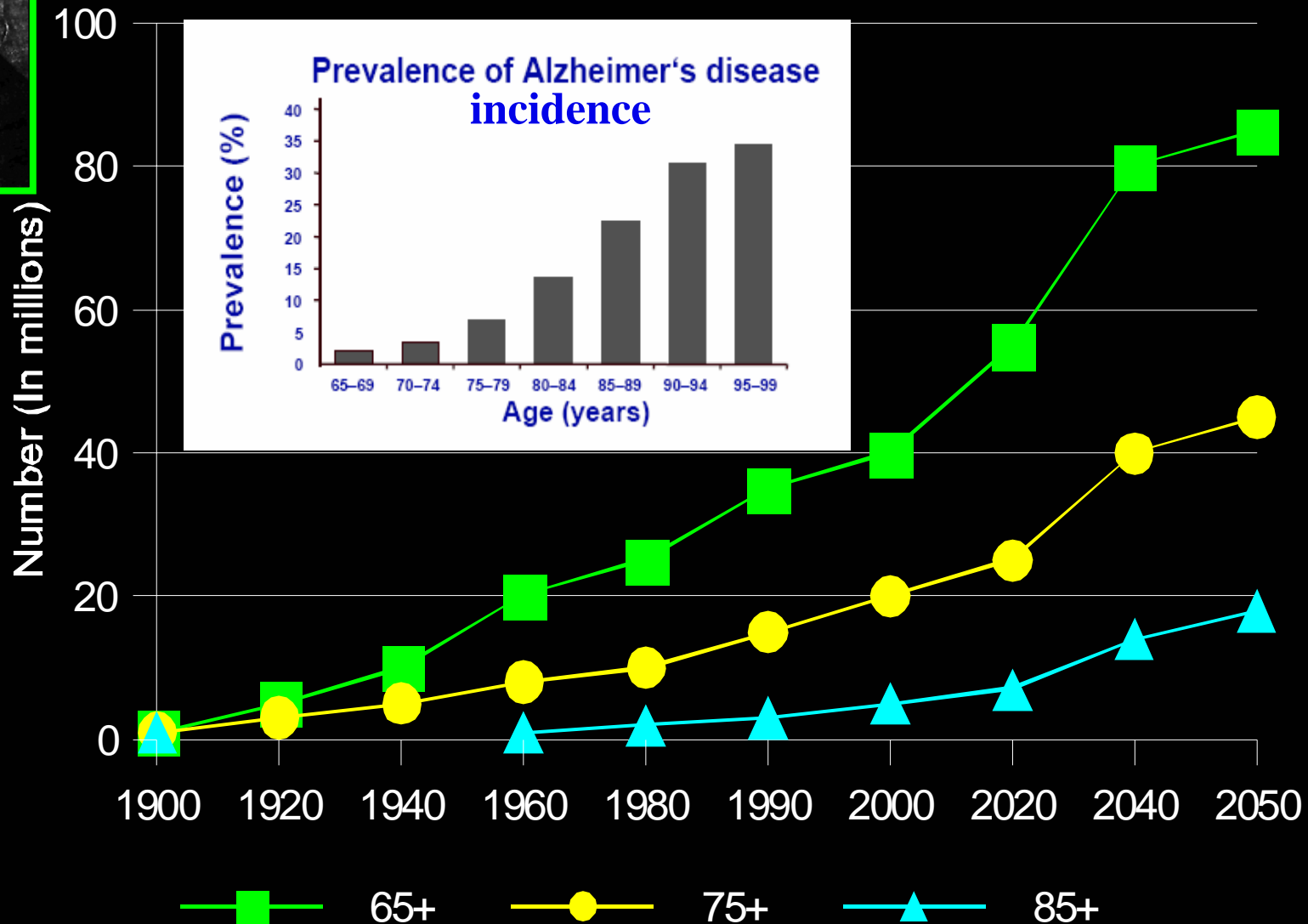
Aging and Health

Prof. Dehua Chui MD, PhD



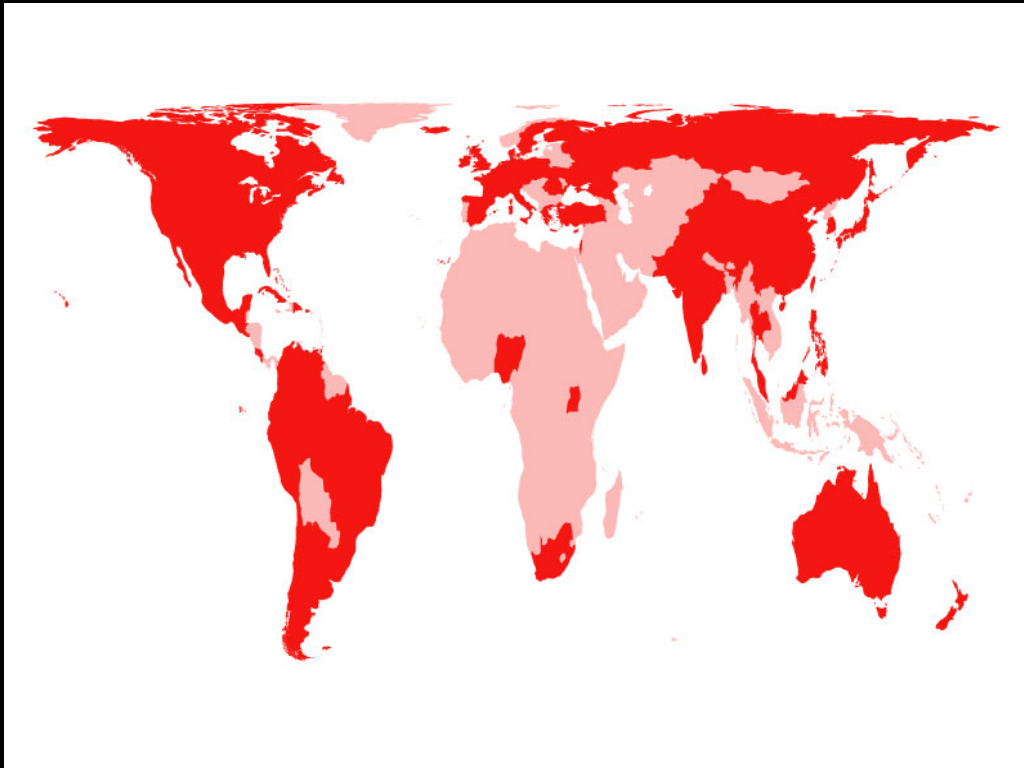
National Institute for Longevity Sciences, Japan
Neuroscience Research Institute, Peking University
Department of Neurology, Third Hospital of Peking University
Norman Bethune Fund Cognitive Disorder Fund Committee (Director)

Growth in U.S. Population Aged 65+, 75+, and 85+



Source: U.S. Census Bureau

World prevalence of dementia¹



25million people in the world with dementia

Double every 20 years

40 million by 2020

80 million by 2040

¹Ferri C, Prince M, Brayne C, Brodaty H et al, Lancet 2005

World prevalence of dementia¹



Age > 60 years:

1.26% AD

0.74% VaD

AD prevalence:

2.10% F

0.76% M

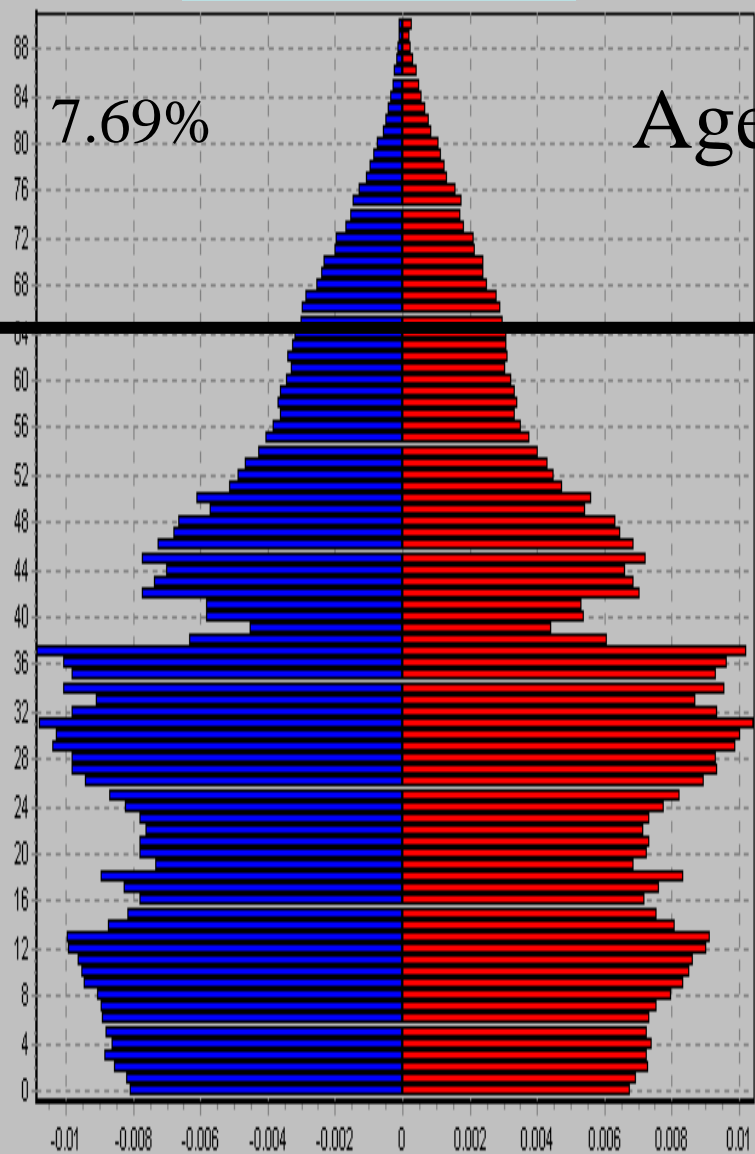
VaD prevalence:

0.71% F

0.69% M

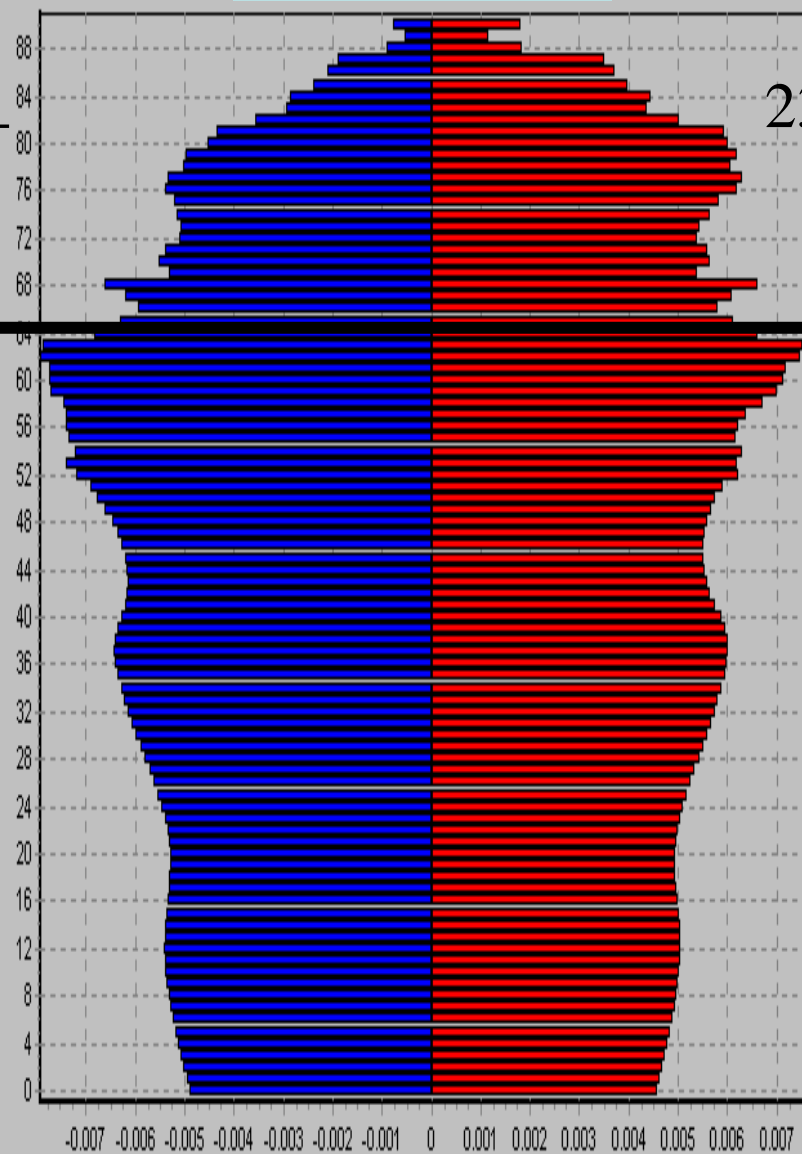
¹ Liu L et al, Dement Geriatr Cogn Disor, 2003

2005



Age 65+

2050



Burden of the Society caused by AD

Prevalence

(the cost paid by the society and the family of the patients)

4,500,000 AD patients in U.S.

> 6,000,000 AD patients in China

> 20,000,000 AD, PD patients in China in the year of 2050

1 AD patient /4-6 person/family/ 85Y life span (mean)

~20,000 dollars/year/patient U.S.

~100,000,000,000 dollars/year U.S.

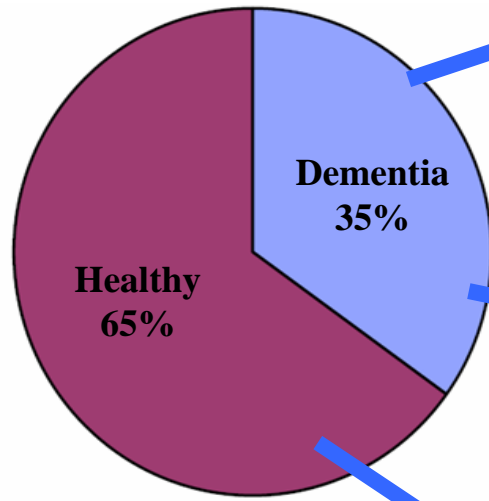
10,000 RMB/year/patient CHN

60,000,000,000 RMB/year CHN

200,000,000,000 RMB /year in 2050 (AD , PD) CHN

Planning in Aging Society

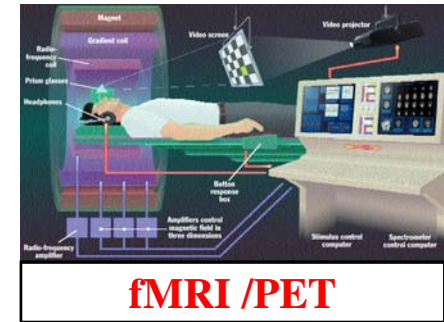
In 90-year-old people



AD Diagnose

AD Therapy

For aged people



**Cholinergic inhibitors
BACE inhibitors
Vaccination
Chinese medicines**

**Food business
Clothes fashion
House designing
Robot service**

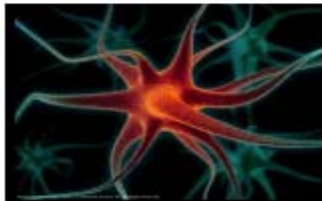
- Jeanne Calment, died 1997 in Arles (France). She was 122 years old
- She did not suffer from any cognitive deficits
- Her recommendations: Red wine and olive oil (and “good” parents)



Supporting Aging Society



Norman Bethune Fund



Cognitive Disorder Fund for Aged People

Norman Bethune Fund Cognitive Disorder Fund Committee

Director: Dehua Chui

Thank You!

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