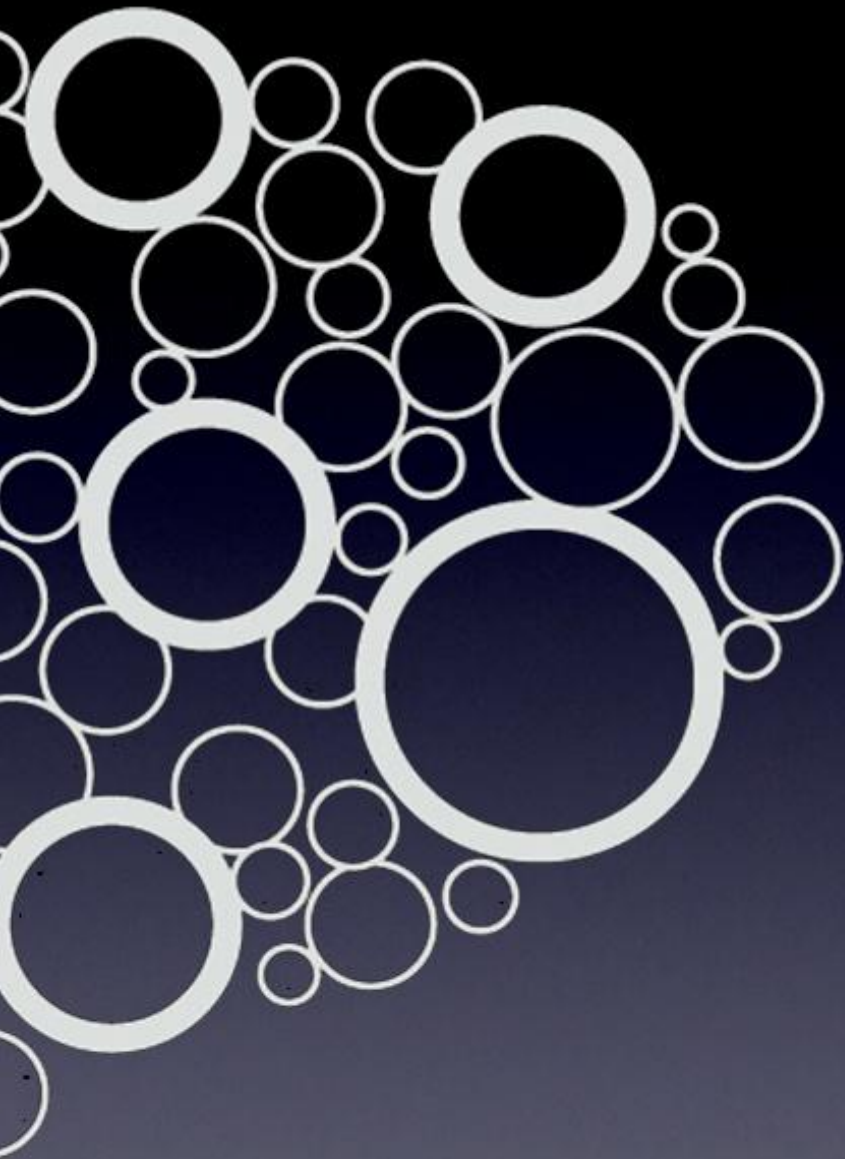


CHINA  
记忆健康**360**工程  
ALZHEIMER'S  
PROJECT



# Dementia in China

# Global Public Health Challenge

## Global Patients Estimate

(Million People)



Source: Alzheimer's Disease International

Released on September 21, 2009, World Alzheimer's Day

# Greater Challenges in China

**169**

Million people  
60+

**10+**

Million people  
May have dementia

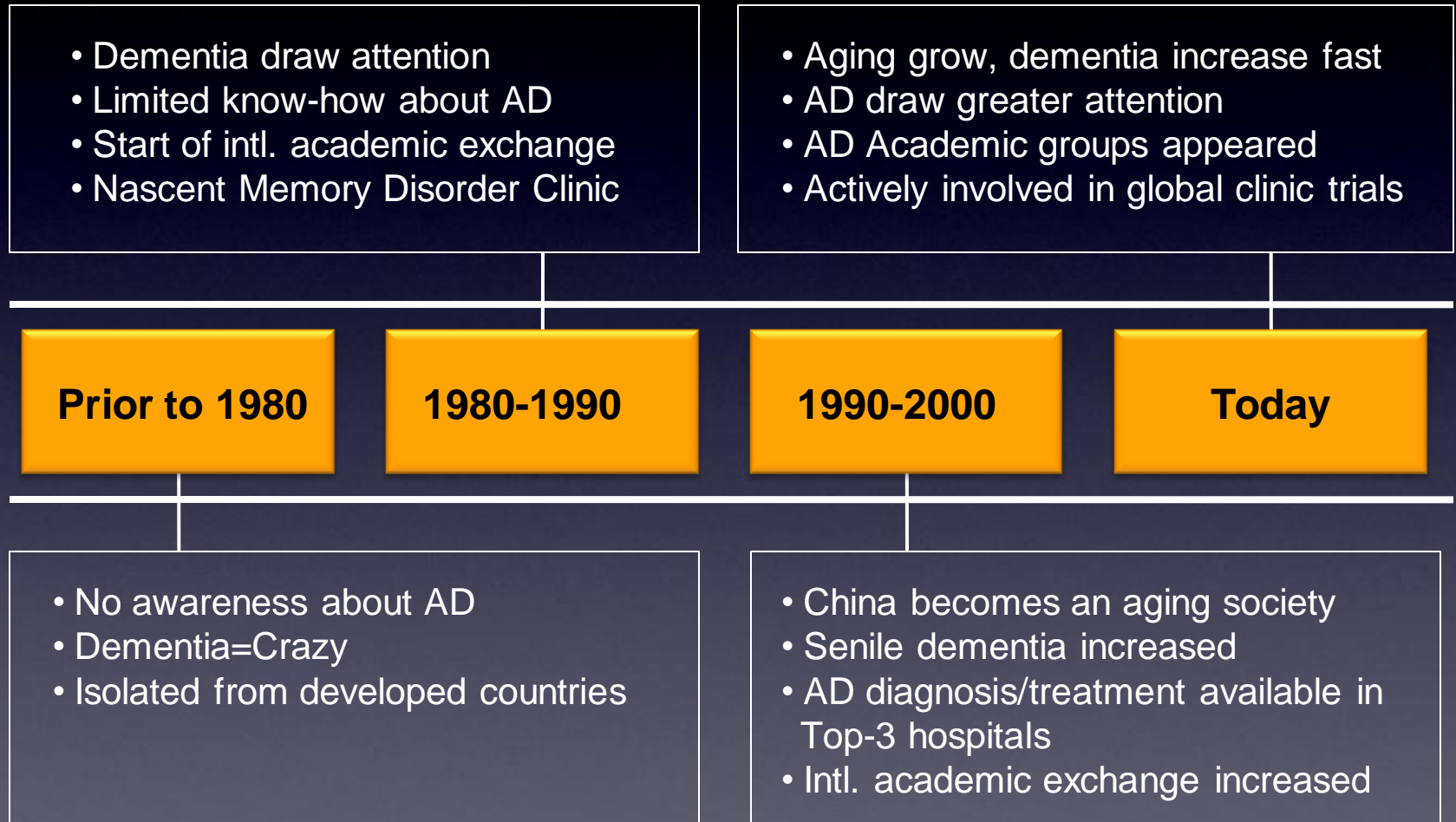
**22%**

of global elderly  
Population

**75%+**

Urban Patients  
Missed  
diagnosis

# Evolution



# Challenges

## Clinical Capability

- At present, only the Top-3 hospitals can provide comprehensive diagnosis and treatment for AD patients

Total No. of Top-3 hospitals in China:	<b>722</b>
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Source: China Ministry of Health

- Only a few hospitals established specialized memory disorder clinic (estimated below 100). Doctors scatter in Neurology, Geriatrics, Psychiatric, or TCM Dept.
- Serious shortage of experienced physicians. (estimated 1,000 nationwide)
- Community Health Service Centers do not have the ability to provide preliminary screening and special nursing care for patients with cognitive disorder

# Challenges

## Care Providers

- Severe shortage of supply
  - A few public nursing homes or hospitals can provide service
  - Most of nursing homes are small-scale and lack of special care capability
- Currently China is short of 10 million senior caregivers, not to mention the special care for patients with dementia
- Senior Housing has just started in China. There is no senior housing specializing in Alzheimer's Care in the market

# Challenges

## Government/Policy

- Low level of public health education
  - Often driven by public health emergency (SARS, influenza)
  - No state-level public health projects for prevention of Alzheimer's Disease
- Small investment in AD clinical research
- The majority of AD drugs did not enter the Essential Drug System. AD patients' hospitalization costs are not covered by social benefits system
- The good news is, some local governments are encouraging the establishment of Alzheimer's Care institutions

# Challenges

## Healthcare and social supporting system

- Commercial insurance does not cover the disease
- So far there's no social or commercial insurance covering non-hospital nursing cares
- NGO/NPO are small scale
- No mature supporting system

# Challenges

## Medicine research and marketing

- Global pharmaceutical companies entered China AD market
  - Eisai, Novartis, Xian-Yanssen/Johnson & Johnson, Lundbeck
  - Access to Essential Medicines List is a common challenge
- Chinese scientists, whether they are overseas or domestic, are actively participating in global clinical research
  - Clinical trials
  - Drug Discovery
  - Pathogenesis

# Challenges

## Medicine research and marketing

- Domestic pharmaceutical companies' performance
  - Backward in general
  - Some drugs entered Essential Medicine List but the effect is poor
  - TCM is an important R&D direction. But has not yet found a very effective drug
  - Some drugs enter into market as nutritional supplements
  - Some TCM drugs aimed at VD but claimed to be effective on AD
  - Over-exaggerated advertising and promotion lead to negative market impact

# Challenges

## Patients and families

- High awareness of the phrase “Senile Dementia” along with misperceptions
  - Part of the normal aging
  - Dementia = Crazy
  - No use of medication
- More than 75% missed diagnosis
- A serious shortage of knowledge and skills to cope with dementia
- Give up medical and rehabilitation treatment, withdraw from social life
- Low level of family care, an increase in family conflicts



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