

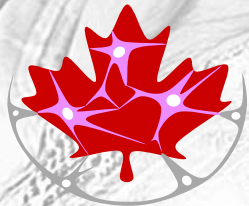


CIHR IRSC
Canadian Institutes of Health Research
Instituts de recherche en santé du Canada

Providing Evidence for the Prevention and Care of Dementia in Canada and Globally




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Executive Director, ICRSAD

Japan Legacy Event
Tokyo, November 2014



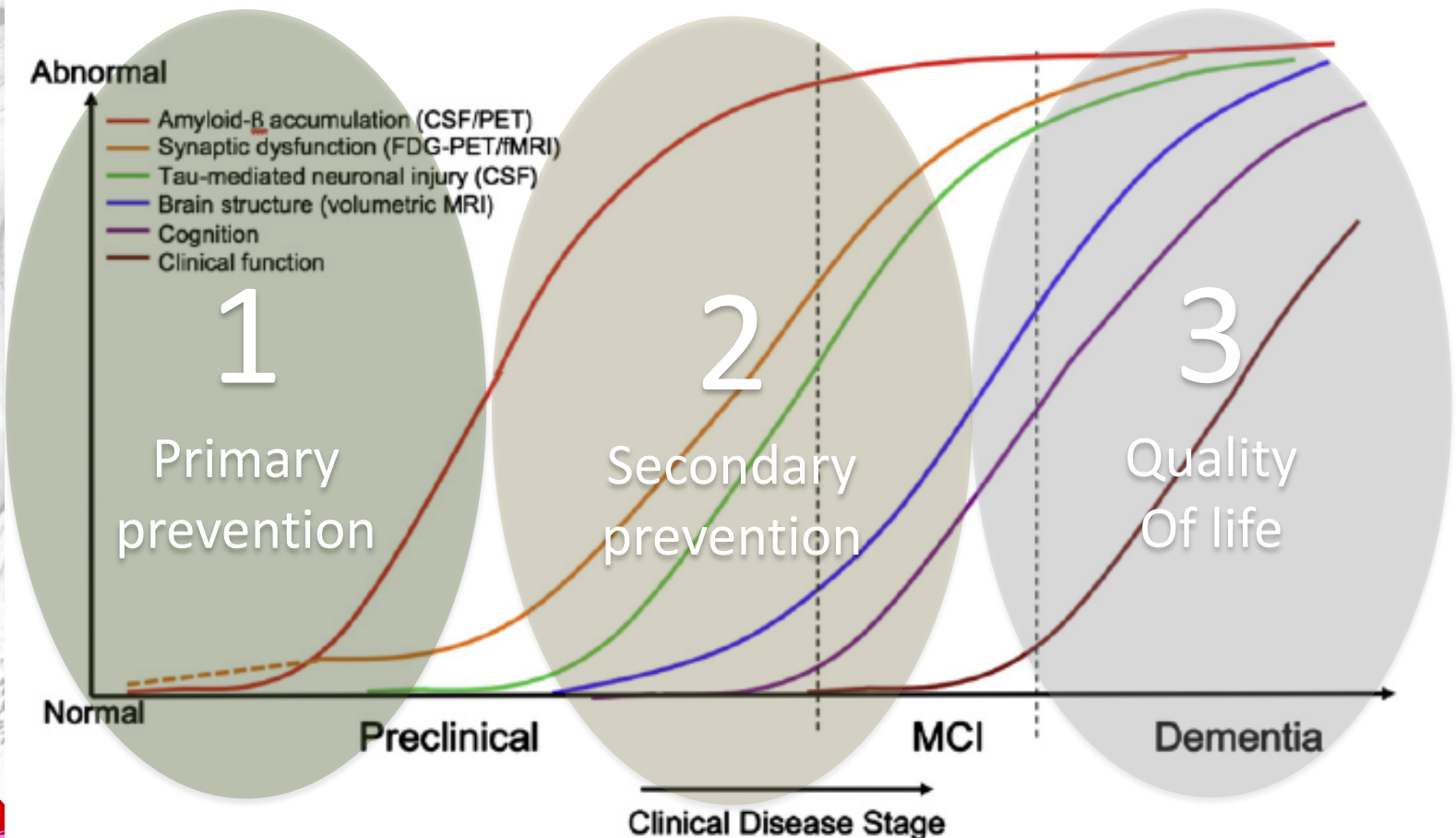
Dementia – A Global Health Issue

Table 1 Updated estimates of the number of people with dementia living in G8, G20, OECD, LMIC and HIC countries, and as a percentage of world total

| Region | People with dementia millions (% of world total) | | | Proportionate increase (%) | |
|-----------------------|---|--------------|---------------|---|------------|
| | 2013 | 2030 | 2050 | 2013-2030 | 2013-2050 |
| G8 | 14.02 (32%) | 20.38 (27%) | 28.91 (21%) | 45  | 106 |
| G20 | 33.93 (76%) | 56.40 (75%) | 96.61 (71%) | 66  | 185 |
| OECD | 18.08 (41%) | 27.98 (37%) | 43.65 (32%) | 55 | 142 |
| High income | 17.00 (38%) | 25.86 (34%) | 39.19 (29%) | 52 | 131 |
| Low and middle income | 27.84 (62%) | 49.76 (66%) | 96.27 (71%) | 79  | 246 |
| World | 44.35 | 75.62 | 135.46 | 71 | 205 |



From Prevention to Care



CCNA

Canadian Consortium on Neurodegeneration in Aging

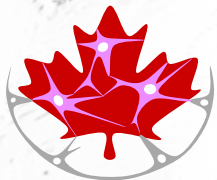
Collaborating
with Asia
China NSFC

Strengthening Canadian
Research on Neurodegenerative
Diseases Affecting Cognition

CCNA

Collaborating
with EU
COEN – JPND

Collaborating
with USA
ADNI 2



Supporting Prevention and Care Integrated Research

CROSS-CUTTING
PROGRAMS

TRAINING &
CAPACITY
BUILDING

KNOWLEDGE
TRANSFER

ELSI

WOMEN
& DEMENTIA

Theme 1:

PREVENTION

1. Genetics of NDD
2. Inflammation & Growth Factors
3. Protein Misfolding
4. Synapses & Metabolomics
5. Lipids & Lipid Metabolism
6. Nutrition, Lifestyle, & Prevention of AD

Theme 2:

TREATMENT

7. Vascular Aspects of NDD
8. Lewy Body Dementia
9. Biomarkers
10. Cognitive Intervention and Brain Plasticity
11. Prevention and Treatment of Neuropsychiatric Symptoms
12. Mobility, Exercise, and Cognition
13. Frontotemporal Dementia

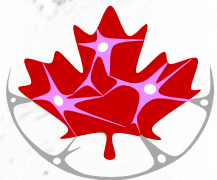
Theme 3:

QUALITY OF LIFE

14. How Multi-Morbidity Modifies the Risk and the Patterns of Disease
15. Gerontechnology & Dementia
16. Driving & Dementia
17. Interventions at the Sensory and Cognitive Interface
18. Effectiveness of Caregiver Intervention
19. Integrating Dementia Patient Care into the Health Care System
20. Issues in dementia care for rural and indigenous populations

Eight Platforms to Support the Teams

1. Clinical Cohorts
2. The Normative Comparison Group
3. Imaging/Database/Information Technology
4. Blood, Saliva & CSF Biosamples
5. DNA Sequencing
6. Brain Banking
7. Transgenic Colonies
8. Academic Clinical Trials



The Canadian Dementia Research Strategy

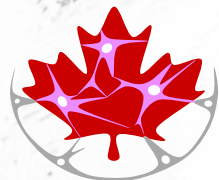
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Strengthening Canadian
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International Initiatives

Canadian Consortium on Neurodegeneration in Aging (CCNA)

Canada

Wellcome Trust-MRC-Canada
United Kingdom

France-Québec-Canada
France

Network of Centres of Excellence in Neurodegeneration (COEN)
7 partner countries in Europe

Alzheimer's Disease Neuroimaging Initiative (ADNI)
United States

EU Joint Programme Neurodegenerative Disease Research (JPND)
European Union Initiative with 27 partner countries

Canada-China (Joint Program with the National Natural Science Foundation of China)
China

International Initiatives

Canadian Consortium on
Neurodegeneration in Aging (CCNA)

Canada

Caregivers

*Caregivers of patients with young
onset dementia: Needs assesment
and psychological management*
Dr Ducharme, Montréal

Network of Centres of Excellence
in Neurodegeneration (COEN)

7 partner countries in Europe

Alzheimer's Disease
Neuroimaging Initiative (ADNI)

United States

Cholesterol

*Non-amyloid components in
Alzheimer's Disease*
Dr Rogaeva, Toronto

New Targets

*Generic Suppressors of
proteinopathies*
Dr Dokyun, Vancouver

Some examples ...



CDKTN has three research themes at sites across Canada. You can explore these themes below.



Education and Training



This theme focuses on development of training programs and opportunities for researchers and health practitioners in knowledge translation and exchange (KT&E), funding opportunities and research projects for the study of KT in dementia research. The heads for this theme are Dr. Judy Illes and Dr. Lynn Beattie (National Core for Neuroethics and Division of Geriatric Medicine, University of British Columbia)

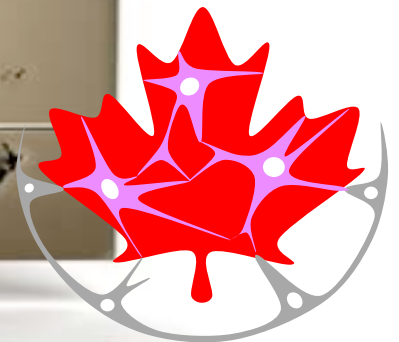
Knowledge Exchange

Website for teens living with fronto-temporal dementia in the family:

Tweens and teens who have a parent or grandparent with dementia now have a website designed specifically for them. [When Dementia is in the House](#) was developed to educate caregiving for children living with someone who has dementia, with a focus on frontotemporal dementia (FTD).



A Unique Collaborative Ecosystem to Face the Global Challenge of Dementia



Canada 



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<http://www.cihr-irsc.gc.ca/e/46475.html>

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