Thirteenth Family Research Network (FRN) Forum "Familial Caregivers and their Impact On the Resilience of Family Function"

Monday, 27 April 2015 Auditorium, Level 1, Civil Service College





National University of Singapore

Public Policy



THIRTEENTH FAMILY RESEARCH NETWORK (FRN) FORUM: "FAMILIAL CAREGIVERS AND THEIR IMPACT ON THE RESILIENCE OF FAMILY FUNCTION" 27 APRIL 2015

PRESENTATION III

Family Caregivers of Older Singaporeans with Physical Disability: Impact of Caregiving and Role of Foreign Domestic Workers

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Family Caregivers of Older Singaporeans with Physical Disability: Impact of Caregiving and Role of Foreign Domestic Workers

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13th Family Research Network Forum "Familial Caregivers and their Impact on the Resilience of Family Function" 27th April 2015



13th Family Research Network Forum

CONTENTS

• Long-term care options in Singapore

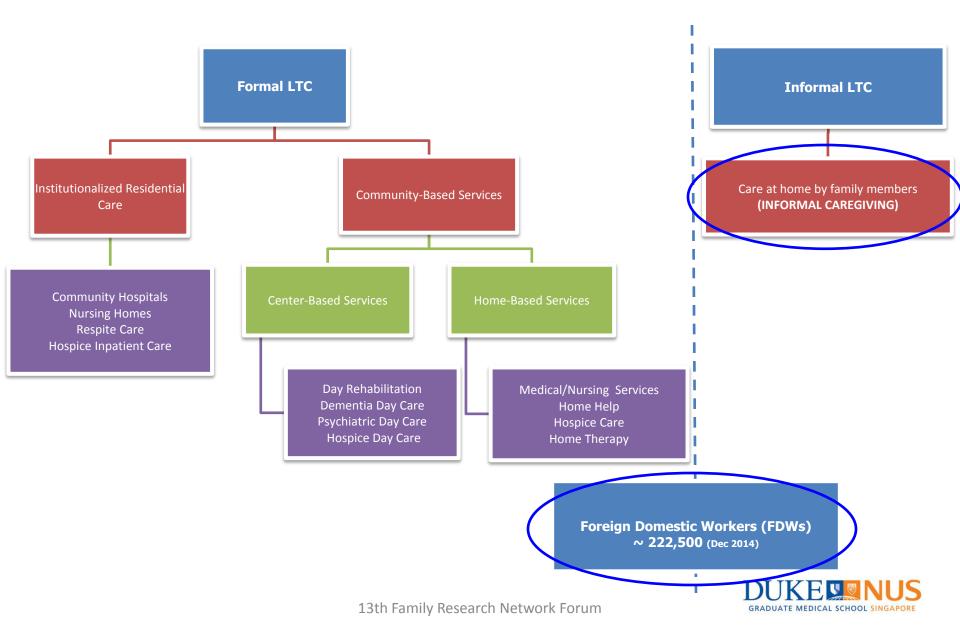
• Characteristics of elderly care recipients

Characteristics of and family support in elder care
 received by primary informal caregivers

• Does the impact of informal caregiving vary by presence of a foreign domestic worker?



Long-term care (LTC) options in Singapore



Singapore Survey on Informal Caregiving 2010-11

- Ministry of Social and Family Development (erstwhile Ministry of Community Development, Youth and Sports), Singapore
- National survey of 1190 care recipient-caregiver dyads
- Care recipient: Community-dwelling older Singaporean aged
 75 years or older receiving human assistance for at least one
 basic activity of daily living limitation
- Primary Informal Caregiver: Family member or friend most involved in providing care or ensuring provision of care to the care recipient (*not the foreign domestic worker*)





• Long-term care options in Singapore

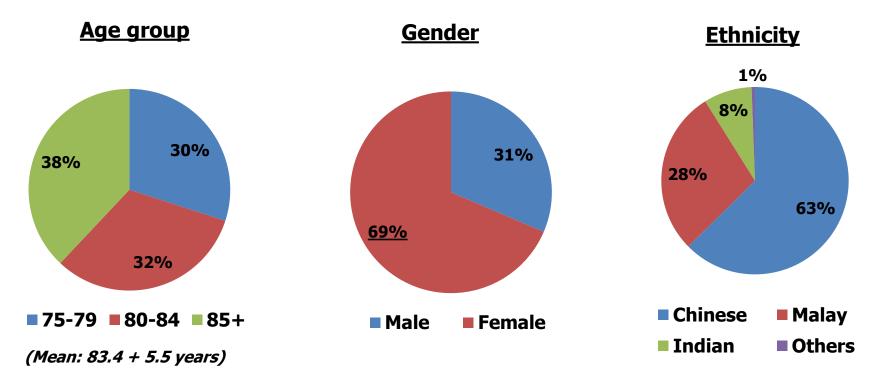
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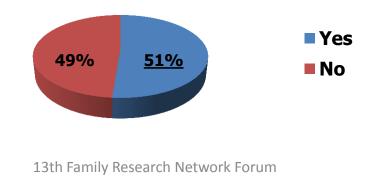
• Does the impact of informal caregiving vary by presence of a foreign domestic worker?



Elderly care recipients (N=1190)...(1)



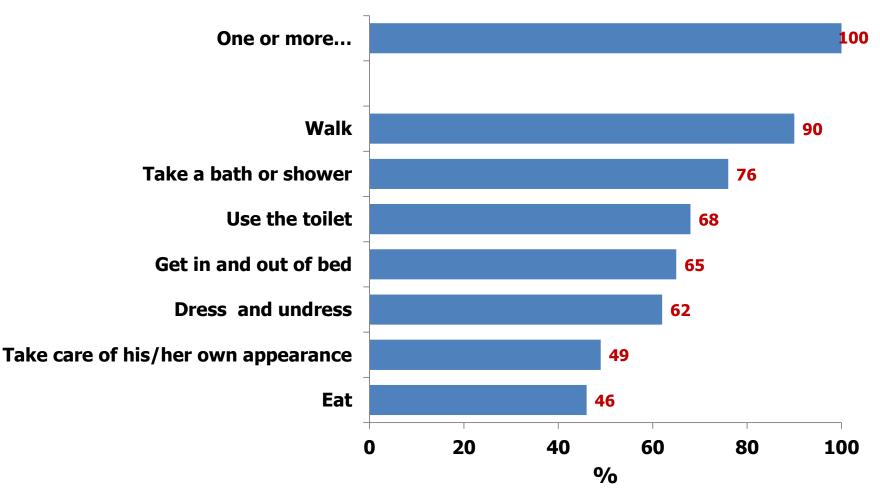
Assistance from a foreign domestic worker





Elderly care recipients (N=1190)...(2)

% with limitation in **Basic** Activities of Daily Living

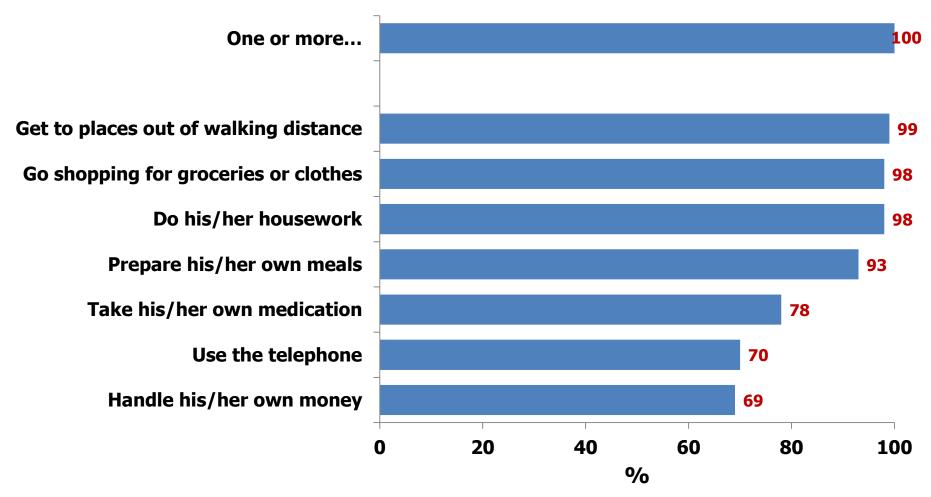




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Elderly care recipients (N=1190)...(3)

<u>% with limitation in Instrumental Activities of Daily Living</u>





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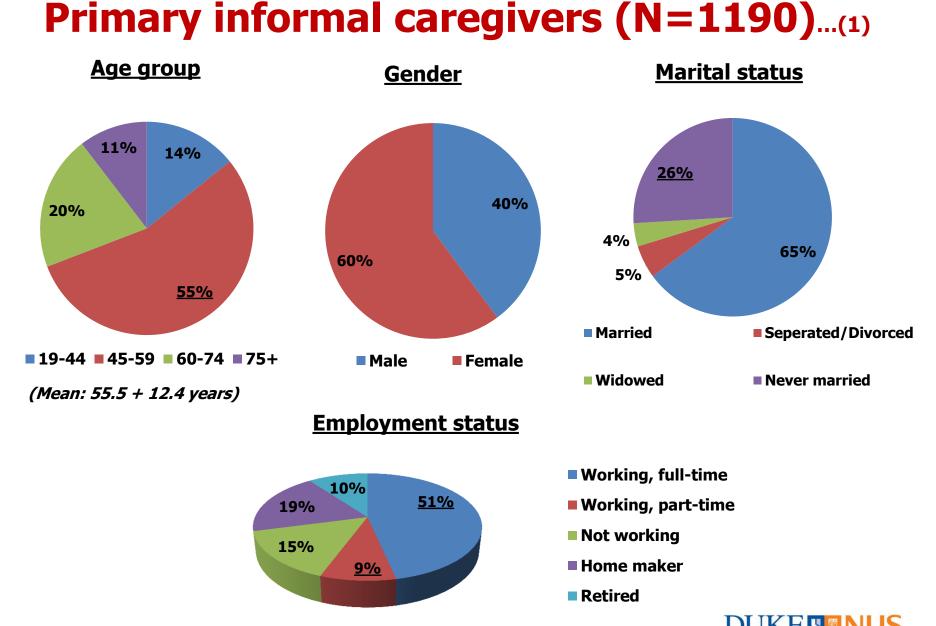
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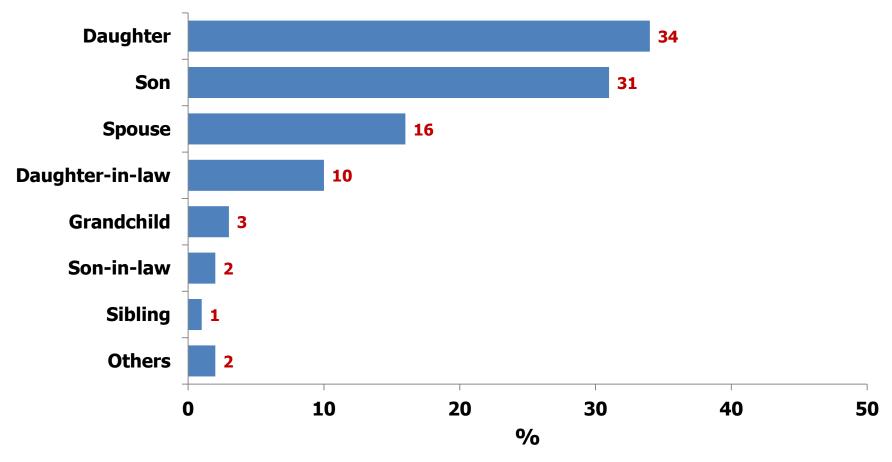


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Primary informal caregivers (N=1190)...(2)

Caregiver is the care recipient's.....

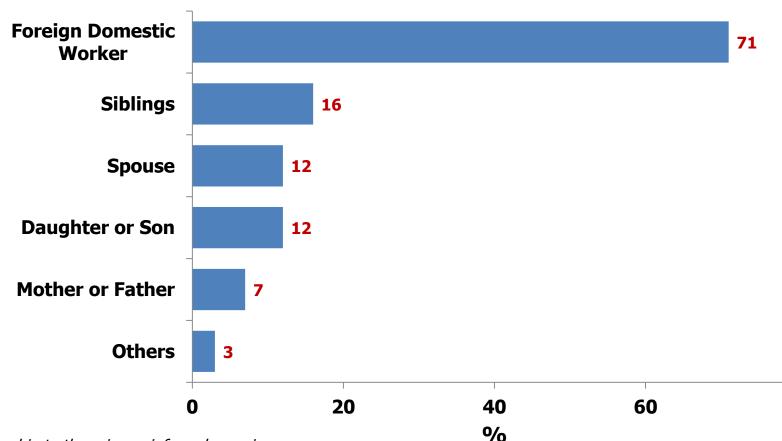


• 42% of "Daughters" and 31% of "Sons" reported a marital status of Never Married



Primary informal caregivers ...(3)

816 (68.6%) of the 1190 primary informal caregivers reported that **someone else**, in addition to them, **had helped the care recipient (CR)** in **one or more Basic Activities of Daily Living** in the 30 days



80

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Who else* helped CR in Basic Activities of Daily Living (N=816)

* Relationship to the primary informal caregiver

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MODERATOR

Instrumental support from a foreign domestic worker

PRIMARY STRESSORS

Older person impairments

CAREGIVER OUTCOMES



Methods: Four primary stressors

Older person's impairment in:

1. Physical function

Older Americans Resources and Services (OARS) Multidimensional Functional Assessment Questionnaire

- Ability to perform 7 Activity of Daily Living (ADLs)
- Ability to perform 7 Instrumental ADLs (IADLs)
- 2. <u>Memory</u>
- 3. <u>Behavior</u>
- 4. <u>Mood</u>

24-item Revised Memory and Behavior Problems Checklist (RMBPC)

 Frequency of memory, behavior and depression or mood problems in older person in past week



Methods: Moderator

Instrumental support by a FDW

Whether older person received support of a FDW to perform one or more ADLs or IADLs in the past month



Methods: Caregiver outcomes

Modified Caregiver Reaction Assessment

- Validated in Singapore (Malhotra R, Chan A, Malhotra C, Østbye T. Validity and reliability of the Caregiver Reaction Assessment scale among primary informal caregivers for older persons in Singapore. Aging & Mental Health. 2012; 16(8): 1004-15)
- Assesses caregiving-related outcomes in <u>four</u> domains (score 1 to 5):
 - 1. Disturbed schedule and poor health
 - 2. Lack of finances
 - 3. Lack of family support
 - 4. Caregiver esteem
- *Higher score* for caregiver esteem indicates positive impact
- Higher score for other three indicates negative impact



Modified Caregiver Reaction Assessment ...(1)

Subscale	Constituent items
	1) My activities are centered around care for
	2) I have to stop in the middle of my work or activities to provide
	care
Disturbed	3) I have eliminated things from my schedule since caring for
schedule	4) The constant interruptions make it difficult to find time for
and poor	relaxation
health	5) I visit family and friends less since I have been caring for
	6) It takes all my physical strength to care for
	7) My health has gotten worse since I've been caring for
	8) Since caring for, it seems like I'm tired all of the time
Lack of	1) It is difficult to pay for
finances	2) Caring for puts a financial strain on me
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Modified Caregiver Reaction Assessment ...(2)

Subscale	Constituent items
	1) My family works together at caring for ^a
Lack of	2) Since caring for, I feel my family has abandoned me
family	3) It is very difficult to get help from my family in taking care of
support	4) Others have dumped caring for onto me
	5) My family (brothers, sisters, children) left me alone to care for
	1) Caring for is important to me
	2) I enjoy caring for
Caregiver	3) Caring for makes me feel good
esteem	4) I feel privileged to care for
	5) I really want to care for
	6) I will never be able to do enough care giving to repay

^a reverse scored



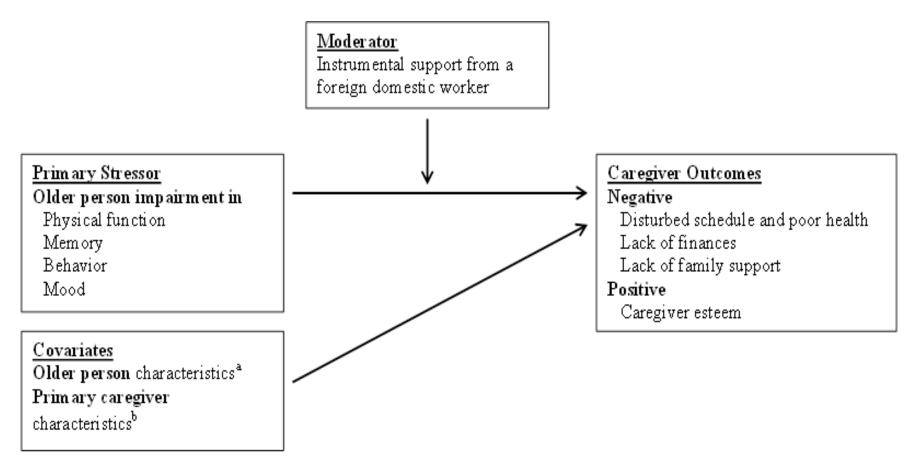
Modified Caregiver Reaction Assessment ...(3)

• Each item: Five-point Likert-type response scale

- (1) strongly disagree
- (2) disagree
- (3) neither agree nor disagree
- (4) agree
- (5) strongly agree
- Subscale score:
 - Average of constituent item scores



Analytical model



^a age and gender

^b age, gender, ethnicity, marital status, educational status, housing type, work status, relationship to older person



Methods: Statistical analysis

 Adjusted *linear regression models*, one for each of the four Caregiver Reaction Assessment subscales : Main effect of the four impairment scores and instrumental support from a FDW

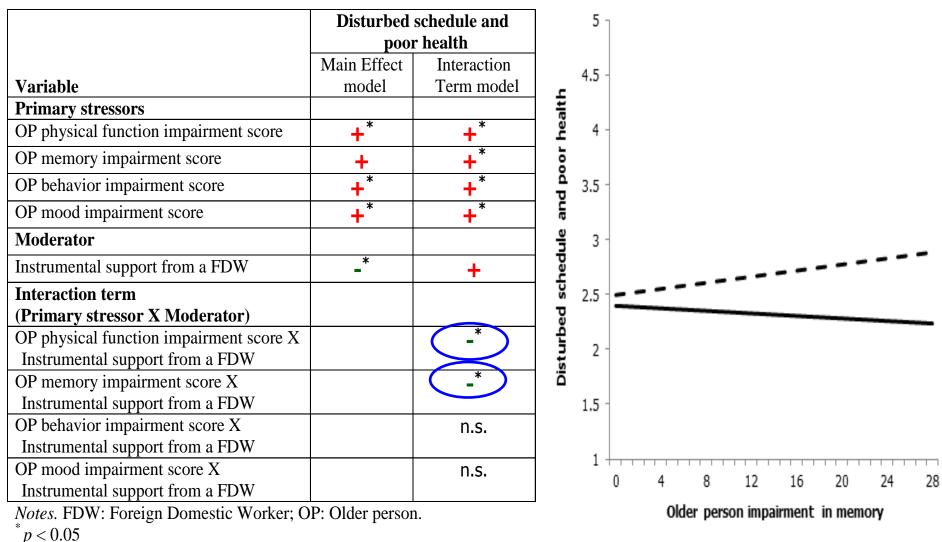
CRA Subscale Score = $a + \beta_1$ Impairment + β_2 FDW Support + Cov + ϵ

• Interaction terms of the four impairment scores with instrumental support from a FDW introduced; significant interaction terms were retained.

CRA Subscale Score = $a + \beta_1$ Impairment + β_2 FDW Support + β_3 Impairment*FDW Support + Cov + ϵ

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Association between older person impairments and 'disturbed schedule and poor health' of the caregiver, main and interaction effects

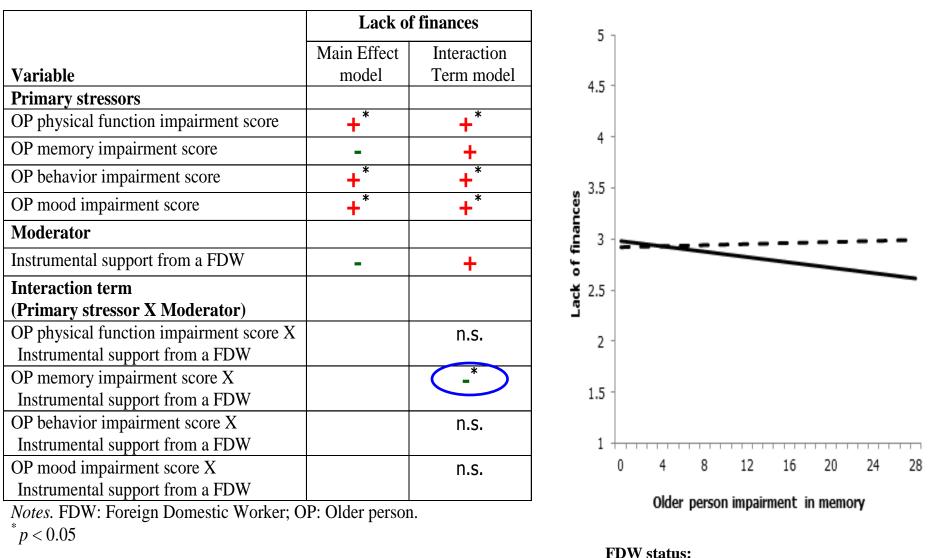


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FDW status: YES [\longrightarrow] NO [- - -]

Association between older person impairments and 'lack of finances' of the caregiver, main and interaction effects

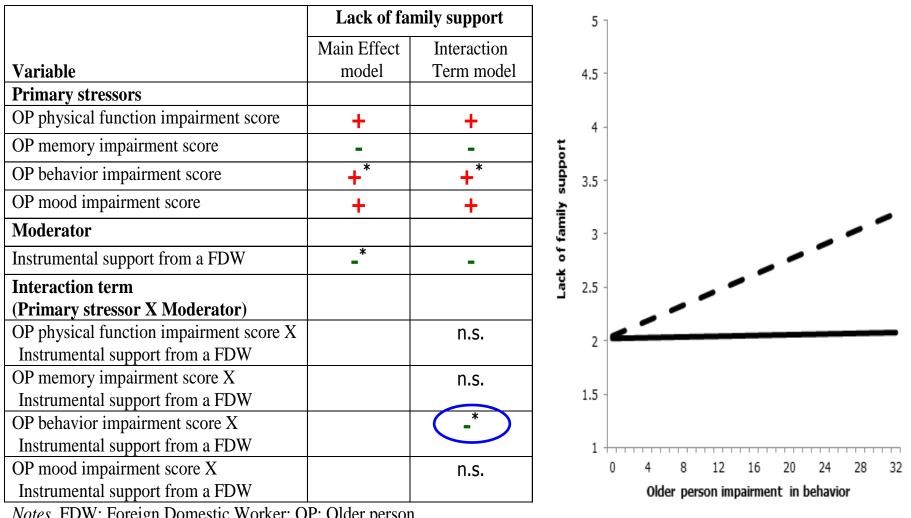


YES [____]

NO[--]



Association between older person impairments and `lack of family support' of the caregiver, main and interaction effects

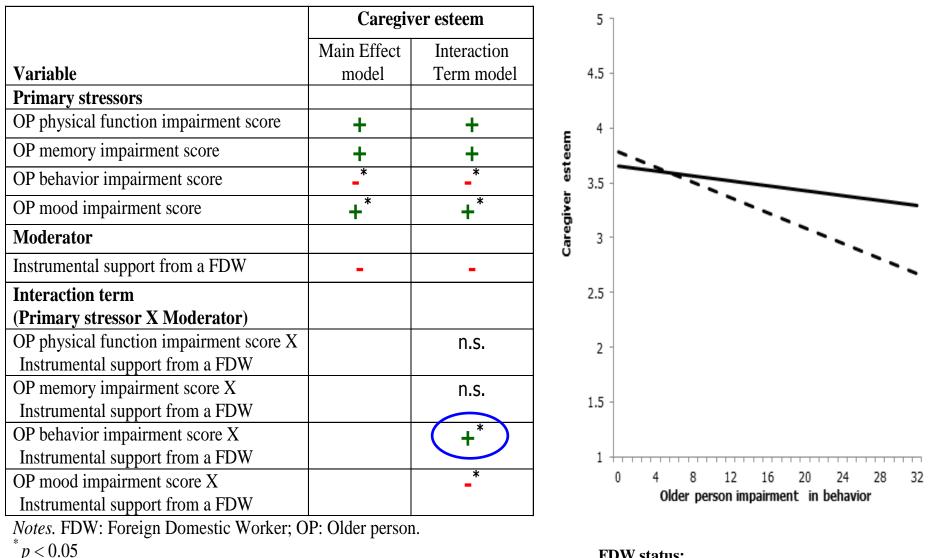


Notes. FDW: Foreign Domestic Worker; OP: Older person. p < 0.05



FDW status: YES [____] NO [_ _ _]

Association between older person impairments and 'caregiver esteem' of the caregiver, main and interaction effects



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FDW status: YES [\longrightarrow] NO [- - -]

Implications

- **Practitioners and researchers** can use the *Modified* Caregiver Reaction Assessment to assess caregivingrelated outcomes among informal caregivers of older persons in Singapore
- Older person impairment ~ detrimental for the caregiver
- FDW support is beneficial for the informal caregiver, especially as older person impairment severity increases
- The 'positive' role of FDW support appears in various aspects of the caregiver's life



Implications

- Number of FDWs in Singapore will <u>likely</u> increase as:
 - Caregiving demand increases
 - Foreign domestic labor remains relatively affordable
 - Government policy is positive (monthly grant)
- But, Labor-sending countries

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- Improving economic conditions \sim employment opportunities
- Stricter rules for improved work conditions in host countries

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Indonesia will stop sending its women to work as maids overseas, says Jokowi

PUBLISHED ON FEB 14, 2015 10:53 PM



Indonesian and Fillipino maids at a maid agency in Singapore. Indonesia president Joko Widodo said the country will stop sending its woman to work as maids overseas to preserve its dignity. – PHOTO: ST FILE

http://www.straitstimes.com/news/asia/south-east-asia/story/indonesia-will-stop-sending-its-women-work-maidsoverseas-says-jokow Singapore 'will be hit hard' if Jakarta imposes maid ban

PUBLISHED ON FEB 17, 2015 9:28 AM

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Singapore-bound trainee maids undergoing practical lessons on taking care of the elderly and babies at the PT Dafa Putra Jaya training centre in Semarang, Central Java, in 2011. – PHOTO: ST FILE

 $\frac{http://www.straitstimes.com/news/singapore/more-singapore-stories/story/singapore-will-be-hit-hard-if-jakarta-imposes-maid-ban-2$

Implications

- Immigration and Integration
- Health of the FDW? Impact on the FDW?
 - Relatively little is known.
 - Systematic review
 - Malhotra R, Arambepola C, Tarun S, de Silva, Kishore J, Østbye T. Health issues of female foreign domestic workers: a systematic review of the scientific and grey literature. *Int J Occup Environ Health.* 2013; 19 (4): 261-277.
 - (Representative) Longitudinal study of FDWs in Singapore??



Acknowledgement

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- John Ansah
- Sean Love
- Truls Østbye





Further reading:

Report of The Survey on Informal Caregiving

- Chan A, Østbye T, Malhotra R, Hu AJ. The Survey on Informal Caregiving (commissioned by the Ministry of Social and Family Development, Singapore). Summary Report, Duke-NUS GMS/ NUS/ Duke University, Singapore 2012 (27pp). Available at <u>http://app.msf.gov.sg/Publications/TheSurveyonInformalCaregiving.aspx</u>
- Chan A, Østbye T, Malhotra R, Hu AJ. The Survey on Informal Caregiving (commissioned by the Ministry of Social and Family Development, Singapore). Full Report, Duke-NUS GMS/ NUS/ Duke University, Singapore 2012 (507pp). Available at <u>http://app.msf.gov.sg/Publications/TheSurveyonInformalCaregiving.aspx</u>

Published papers

- Malhotra R, Chan A, Malhotra C, Østbye T. Validity and reliability of the Caregiver Reaction Assessment scale among primary informal caregivers for older persons in Singapore. *Aging Ment Health*. 2012; 16(8): 1004-15.
- Østbye T, Malhotra R, Malhotra C, Arambepola C, Chan A. Does support from foreign domestic workers decrease the negative impact of informal caregiving? Results from Singapore Survey on Informal Caregiving. J Gerontol B Psychol Sci Soc Sci. 2013; 68(4):609-621.
- Malhotra R, Arambepola C, Tarun S, de Silva, Kishore J, Østbye T. Health issues of female foreign domestic workers: a systematic review of the scientific and grey literature. *Int J Occup Environ Health.* 2013; 19 (4): 261-277.

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