Korean Longitudinal Study of Ageing (KLoSA): A brief overview and selected research findings

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Korean Longitudinal Study of Aging (KLoSA)

- Korean equivalent of US HRS and SHARE in Europe
- Administered by Korea Employment Information Service
- Non-institutionalized South Korean adults 45yo or older (in 2006)
- First wave (2006): N=10,254, every even-numbered year afterwards (7th wave in 2018, currently available up to 6th wave in 2016)
- Off-year survey in odd-numbered years (eg. Job history)
- Detailed information on respondents, their children, siblings and parents
- Survey on the deceased (based on their family members' response)
- Replenished the original sample with younger new entrants (5th wave)
- Overall retention in 6th wave (2016): 79.6%

Retention, deceased, and replenishment Success of													
Replenishment					deceased								
with ne sampl	ew e		<klosa 결과="" 기본조사="" 및="" 유지율="" 표본=""></klosa>					(단위: 명, %)					
	,	사년도	조사대상 패널 (A)	조사성공 패널 (B+C)	생존자 조사성공 패널(B)	사망자 조사성공 패널(C)	미조사 사망자 누적치 (D)	표본 유지율 (B+C)/A					
		1차('06)	10,254	10,254	10,254	-	-	100.0					
	ス	2차('08)	10,254	8,875	8,688	187	67	86.6					
	7	3차('10)	10,067	8,229	7,920	309	101	81.7					
	71	4차('12)	9,758	7,813	7,486	327	112	80.1					
_	기분	5차('14)	10,436	8,387	7,949	438	142	80.4					
		기존	9,431	7,467	7,029	438	142	79.2					
		신규	1,005	920	920	0	0	91.5					
	기본 6차('16)		9,913	7,893	7,490	403	138	79.6					
	기존 신규		8,993	7,015	6,618	397	138	78.0					
[920	878	872	6	0	95.4					

Information on intergenerational relations



Caregiving, health, and economic outcomes



Selected research findings

- Intergenerational issues
 - Living arrangements and health
 - Informal caregiving and caregiver health
 - Parental bequest and expectation of receiving care from adult children
- Elderly health
 - Housing and fall
 - Mental health and health care utilization

Living arrangements and health J Gerontology: Social Sciences (2012)

Do, Y.K., & Malhotra, C. (2012). The effect of coresidence with an adult child on depressive symptoms among older widowed women in South Korea: an instrumental variables estimation. The Journals of Gerontology, Series B: Psychological Sciences and Social Sciences, 67(3), 384–391, doi:10.1093/geronb/gbs033. Advance Access published on March 15, 2012

The Effect of Coresidence With an Adult Child on Depressive Symptoms Among Older Widowed Women in South Korea: An Instrumental Variables Estimation

Young Kyung Do and Chetna Malhotra

Program in Health Services and Systems Research, Duke-NUS Graduate Medical School Singapore, Singapore.

Causal association between coresidence and depressive symptoms?



Results

(Naïve) OLS estimate: -0.700 (95% CI: -1.196, -0.204): Close to group mean difference, -0.097

 (Unbiased) IV-2SLS estimate: -7.749 (95% CI: -14.092, -1.407)

• OLS underestimates the protective effect of coresidence on depressive symptoms.

Informal caregiving and caregiver health Health Economics (2015)

HEALTH ECONOMICS *Health Econ.* **24**: 224–237 (2015) Published online 5 November 2013 in Wiley Online Library (wileyonlinelibrary.com). DOI: 10.1002/hec.3012

INFORMAL CARE AND CAREGIVER'S HEALTH

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Daughter-in-law sample: negative health effects

Outcome	Obs	OLS or Probit		IV-2SLS or IV Probit		Test	
		Coeff.	(S.E.)	Coeff.	(S.E.)	Overid.	Exogeneity
Satisfaction with QOL (0-100)	1852	-4.95*	(2.98)	-4.12	(3.42)	NS	NS
Satisfaction with health (0-100)	1848	-3.22	(3.37)	-8.09*	(4.20)	NS	*
CES-D score (0-30)	1846	0.57	(0.49)	1.19*	(0.71)	NS	NS
Prob (CES-D items checked \geq 4)	1855	0.29	(0.21)	0.70***	(0.27)	NS	**
Prob (CES-D score ≥ 10)	1855	-0.08	(0.25)	-0.03	(0.32)	NS	NS
Prob (Pain affecting daily activities)	1855	0.39*	(0.22)	0.53*	(0.29)	NS	NS
Prob (Self-reported health Fair to poor)	1855	0.28	(0.21)	0.55**	(0.27)	NS	NS
Prob (Any outpatient care use)	1855	0.13	(0.21)	0.26	(0.28)	NS	NS
Log(Out-of-pocket costs) if any	1181	0.36	(0.25)	0.80**	(0.34)	NS	*
Prob (Any regular prescription drug use)	1855	0.36*	(0.21)	0.21	(0.28)	NS	NS
Log(Out-of-pocket costs) if any	495	0.42*	(0.24)	0.60**	(0.24)	NS	NS

Notes: *** p<0.01, ** p<0.05, * p<0.1. NS denotes 'not significant' at the 10% level.

Parent's

Bequest (giving) expectation \rightarrow IC (receiving) expectation (%)?



Models control for number of children, age, marital status, education level, amount of assets, home ownership, residential area, year effect. * p < 0.05.

Housing and fall *Geriatr and Gerontol Int* (2013)



Medline Indexed



Geriatr Gerontol Int 2013; 13: 867-873

ORIGINAL ARTICLE: EPIDEMIOLOGY, CLINICAL PRACTICE AND HEALTH

Home ownership and fall-related outcomes among older adults in South Korea

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Home ownership and falls among older adults

- South Korea has one of the highest rates of elderly poverty among developed countries (approx. 50%)
- Three major types: own home, long-term & short-term rental
- A substantial number of older adults live in short-term rental homes with relatively small amounts of monthly rent
- Short-term rental homes can potentially influence fall-related outcomes:
 - Overall low quality of the home environment: risk factors
 - Occupants' attitude and willingness to improve their housing conditions: risk factors are less likely to be addressed by occupants and owners

These risk factors for falls are less likely to be addressed in short-term rental homes

- Tripping or slipping hazards
- Absence of stair railings or grab poles
- Having unstable furniture
- Uneven flooring
- Poor lighting





Compared with owned home, short-term rental home predicted higher likelihood of reporting any falls in the past 2 years



Note: *p < 0.05; logistic regression model controlled for age, gender, being currently married, coresidence with an adult child, education level, total household assets, residence area, self-reported health, grip strength and eyesight.

Mental health and health care utilization Social Science and Medicine (2012)

Social Science & Medicine 75 (2012) 179-185



Short report

Predictors of and health services utilization related to depressive symptoms among elderly Koreans

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Kingdon's multiple streams model



Source: http://www.grin.com/en/e-book/208945/nuclear-power-in-germany-history-and-future-prospects Kingdon's multiple streams model: The coupling of all three streams (Versluis et al, 2011, p. 116)