

FORMAL -INFORMAL INTERFACE IN ADVANCED OLD AGE; A TEN-YEAR FOLLOW UP

INTRODUCTION

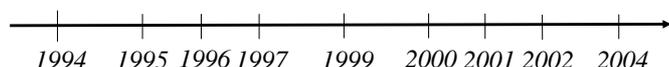
Does the help provided by formal services substitute the informal support?

Previous research which answered this question were mainly based on younger elderly and cross sectional data. In this study three models will be tested: the **substitution model** (formal services replace the support provided by informal networks), the **readjustment model** (increase of formal services is accompanied by a decrease of informal services) and the **complementary model** (introduction of formal services is not accompanied by a significant decrease in the amount of informal services).

DESIGN OF SWILSOO

Swiss Interdisciplinary Longitudinal Study on the Oldest Old

Participants	340	267	237	209	172	128	100	80	59
Mean Age	81.9	83.2	84.3	85.2	86.6	88.0	88.9	89.8	91.4



- 340 community-dwelling elders aged between 80 and 84 years old at baseline
- two contrasting regions of Switzerland (urban and semi-urban)
- interviewed up to 9 times (between 1994 and 2004)
- face-to-face interviews (total N=1592)
- During the ten-year follow-up, 17.3% participants moved to a nursing home. Those interviews were not considered here.

INDICATORS

RECEIVED SERVICES

- Frequency of instrumental services that the very old persons received from non-household **informal** networks (family and friends; varying between 1- *never* and 4 - *daily*)
- Frequency of instrumental care received from **formal** network (varying between 1- *never* and 6 - *daily*)

HEALTH STATUS

Robust = no ADL incapacities and not suffering more than one dimension of frailty (mobility, memory, energy, physical ailments, sensory capacities)

ADL-independent frail = no incapacities on the ADL, but two or more deficiencies on the dimensions of frailty

ADL-Dependent = frail persons with one or more ADL incapacities

RESULTS

Correlation between the frequency of formal care and the frequency of informal services – global analysis across the 10 years - Multilevel analysis with controls

Characteristics	Informal services
Gender (woman)	0.06*
Socio-economic status (middle/upper-class)	-0.05*
Geographical area (urban)	-0.10***
Lives with a cohabitant	-0.10**
Has at least one descendent	0.11***
ADL-dependent vs ADL-independent frail	2.01*
Age*ADL-dependent	-0.02*
Frequency of formal care	0.08***

p<0.05; ** : p<0.01; *** : p<0.001; Only significant variables are represented here

Percentage of cases in which substitution or complementary occurs – diachronic analysis on two successive waves

		When Formal Services ↑	
Informal Services	Increased	45.3%	} 72% Complementary
	Remained stable	26.6%	
	Decreased	21.1%	➔ Readjustment
	Stopped	7.1%	➔ Substitution

CONCLUSION

- In 7% of the cases **substitution** occurs when formal services increase: either because of the loss of a caregiver or changes in household composition, or because of a withdrawal of the caregivers (but it seldom occurs; Garant, 1990)
- In 21% of the cases an increasing of formal services leads to a decreasing frequency of informal services: we can see here a **readjustment** of the cares and a reduction of the burden for the caregivers.
- In 72% of the cases formal and informal networks are **complementary**: additional needs are taken in charge by formal network in 27% of the cases and by both networks in the remaining 45%.



Formal and informal networks cooperate in 93% of the cases

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