

### Vulnerabilità abitativa e di salute degli Anziani in Italia

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### The research project

- VAI Vulnerabilità abitativa e di salute degli Anziani in Italia
- Research Topic (RT): S0103 Condizioni abitative e disuguaglianze di salute



### State of the art

- Older people in Italy: a context for ageing in place
- However, specific pre-conditions taken for granted, e.g. *housing conditions* High ownership, but ... often problematic features related to the quality of the built environment (e.g. architectural barriers), characteristics of neighborhood/place where older people live (e.g. lack of services, spatial isolation etc.)
- Such problematic features can negatively affect the health conditions of older people, from a physical (e.g. accidents/injuries) and psychological point of view (e.g. loneliness).
- Ageing in place can be undermined → increased risk of institutionalization and recourse to residential care settings.



### **Project goals**

### Main project goals

Knowledge Production (OB1) and Dissemination (OB2) about housing and health vulnerability among older people in Italy (VAA and VSA)

To achieve these main goals:

- Multidimensional/multidisciplinary perspective
- Specific attention to the issue of inequalities (both from a socio-economic and territorial point of view)

### Specific project goals

OBTs 1 – Increase of theoretical knowledge about VAA and VSA from an interdisciplinary perspective

OBTs 2 –Definition/development aggregated measures of VAA and VSA for comparison between social groups and territorial contexts

OBTs 3 – Identification most affected social groups and territorial contexts in terms of combined VAA and VSA











#### Condizioni abitative e disuguaglianze di salute

<ul> <li>T.1: Definizione analitica tensioni VAA/VSA e rispettive iensioni VAA/VSA e rispettive iocomponenti, revisione della etteratura interdisciplinare etteratura interdisciplinare</li> <li>T.1.2: Definizione analitica associazioni VAA/VSA diseguaglianze diseguaglianze</li> <li>T.1.2: Interdisciplinare diseguaglianze</li> <li>T.1.2: Definizione analitica associazioni VAA/VSA diseguaglianze</li> <li>T.1.2: Mappatura banche dati</li> <li>2.2: Mappatura banche dati</li> <li>2.3: indici sintetici VAA/VSA a livello macro-territoriale.</li> </ul>	gruppi/territor		Identificare terri vulnerabil	BTs 3 gruppi sociali itori più li, casi studio	
one analitica /SA e rispettiv revisione delli rdisciplinare vAA/ VSA lianze lianze e selezione ative per indici ra banche dat etici VAA/VSA territoriale.	VAA/VSA aggr. /VSA	/SA	uppi iti in ritica	tio	
AT 1.1: Definizione analitica dimensioni VAA/ VSA e rispettive sottocomponenti, revisione della letteratura interdisciplinare associazioni VAA/ VSA diseguaglianze diseguaglianze AT 2.1: Revisione e selezione tecniche aggregative per indici aT 2.2: Mappatura banche dati AT 2.3: indici sintetici VAA/VSA o livello macro-territoriale.	AT 2.4: indici sintetici VAA/VSA dettaglio territoriale aggr. AT 2.5: analisi VAA/VSA	AT 2.5: analisi VAA/V ordinamento	AT 3.1: Identificazione gruppi sociali e territori più colpiti in termini di combinazione critica VAA/VSA	AT 3.2: Analisi casi di studio attraverso approccio interdisciplinare	
WP1 WP2 Prospettive teoriche VAA/VSA Indici sintetici VAA/V	WP2 Indici sintetici VAA/VSA territoriali			WP3 Gruppi sociali/casi studio	



# OBTs 1 – Increase of theoretical knowledge about VAA and VSA from an interdisciplinary perspective

AT 1.1: Analytical/conceptual definition main dimensions of VAA and VSA

- Multidisciplinary perspective (Sociology, Statistics, Economy, Medicine, Architecture)

- Multidimensional perspective (also including "objective"/"subjective" definitions)

AT 1.2: Analytical/conceptual definition concerning associations between VAA and VSA and socioeconomic/territorial inequalities



# OBTs 2 – Definition/development aggregated measures of VAA and VSA for comparison between social groups and territorial areas

AT 2.1: Review main statistical techniques for computing composite index of vulnerability; Identification/selection statistical techniques to be adopted for empirical analysis

AT 2.2: Mapping main quantitative database (e.g. SHARE; EHIS; EU-SILC; AVQ) including variables for operationalizing main dimensions of vulnerability identified at AT 1.1; analysis of associations identified at AT 1.2.

AT 2.3/AT 2.4: Definition and computation of 2 composite indices, the VAA and VSA, at different administrative/territorial levels (e.g. by the adoption matching technique - CEM)

AT 2.5: Analysis of the main features of VAA and VSA indices and the corresponding rankings and their combination (e.g. of Voronoi) with a focus on social-groups/territorial contexts most affected



# OBTs 3 – Identification most affected social groups and territorial contexts in terms of combined housing and health vulnerability

AT 3.1: Identification social-groups/territorial contexts most affected in terms of combined VAA and VSA. Specific attention about differentiations across social groups (e.g. gender, education, income) and territorial contexts (e.g. urban/rural)

AT 3.2: Qualitative case study for a more in-depth analysis of the relationships between VAA and VSA at the micro-level (i.e. interviews with at least 30 older people), and the specific impact on individual life.



### The UNIVPM research team

Project led by DiSES - Department of Economics and Social Sciences UNIVPM - Marche Polytechnic University

Multidisciplinary background:

- Sociology (M. Arlotti, E. Spina)
- Statistics (M. Ciommi, M.C. Recchioni, F. Mariani)
- Economics (G. Bettin, B. Ermini)

Further extension of multidimensional background based on the involvement of other two Departments at UNIVPM (supporting additional disciplinary expertise):

- *Medicine* (E. Espinosa, DISCLIMO)
- Architecture and built environment (A. Alici, DICEA)





Sociologia Ruralis Journal of the European Society for Rural Sociology

ORIGINAL ARTICLE

Older people and care networks in rural areas: An exploratory study in Italy

Marco Arlotti PhD 🔀



European Journal of Operational Research Volume 317, Issue 3, 16 September 2024, Pages 1015-1035



Decision support

A new class of composite indicators: The penalized power mean

Francesca Mariani 🞗 🖾 , Mariateresa Ciommi 🖾 , Maria Cristina Recchioni 🖾

#### Home > Quality & Quantity > Article

Impact of COVID-19 on elderly population well-being: evidence from European countries

#### <u>Home</u> > <u>Social Indicators Research</u> > Article

Two in One: A New Tool to Combine Two Rankings Based on the Voronoi Diagram Original Research | Open access | Published: 26 August: 2023 (2023) <u>Citethis article</u>











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