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De complexiteit van eerstelijnszorg voor  
ouderen in een kwetsbare positie

Symposium t.g.v. de promotie van Silke Metzelthin  
26 maart 2014

Health Services Research  
Focusing on Chronic Care and Ageing

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## Aandacht voor kwetsbaarheid

- Kwetsbaarheid + ouderen via GOOGLE:  
101000 hits (19-3-2014) – veel aandacht
- Ook een 'paar problemen': definities en  
interventies

Health Services Research Focusing on Chronic Care and Ageing

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# Definities / meten frailty (1)

Ageing Research Reviews 10 (2011) 104–114

Contents lists available at ScienceDirect

Ageing Research Reviews

journal homepage: [www.elsevier.com/locate/arr](http://www.elsevier.com/locate/arr)

Review

Outcome instruments to measure frailty: A systematic review

N.M. de Vries<sup>a,\*</sup>, J.B. Staal<sup>b</sup>, C.D. van Ravensberg<sup>b</sup>, J.S.M. Hobbelen<sup>c,d</sup>,  
M.G.M. Oude Rikkert<sup>a</sup>, M.W.G. Nijhuis-van der Sanden<sup>a</sup>

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<sup>b</sup> Dutch National Institute of Allied Health Professions (NFI), P.O. Box 1161, 3800 BC, Amersfoort, The Netherlands  
<sup>c</sup> Physiotherapy Research Visual Behaviour/Organ. Employees, The Netherlands  
<sup>d</sup> Institute for Human Movement Studies, Department of Physiotherapy, University of Applied Sciences Utrecht, The Netherlands  
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20 verschillende meetinstrumenten met variërende domeinen: voeding, mobiliteit, stemming, cognitie, kracht, sociale steun

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# Definities en meten (2)

**Table 2**  
Assessment on clinimetric properties.

Instrument/study	Reliability	Agreement	Construct validity	Responsiveness	Interpretability	Content validity	Internal consistency	Floor- and ceiling effects
Frailty Phenotype (Fried et al. (2001), Cigolle et al. (2009), Kiely et al. (2009), and Rockwood et al. (2007))	0	0	+	0	?	0	0	-
Frailty Index, accumulation of deficits (Mitnitski et al. (2001), Cigolle et al. (2009), Rockwood et al. (2007), and Rockwood (2006))	0	0	+	0	?	0	0	?
Modified Functional Independence Measure (FIM) (Carlson et al. (1998))	0	0	+	0	?	0	0	?
Instrument 'Carriere' (Carriere et al. (2005))	0	0	+	0	+	0	0	0
Instrument 'Cealey' (Cealey (1997))	0	0	?	0	?	0	0	?
Groningen Frailty Indicator (GFI) (Schaumans et al. (2004))	0	0	+	0	0	0	0	0
Frail Elderly Functional Assessment Questionnaire (Cloth et al. (1995, 1999))	+	0	+	+	0	0	0	+
Instrument 'Guilley' (Guilley et al. (2008))	0	0	+	0	?	0	0	-
Instrument Rothman (Rothman et al. (2008))	0	0	+	0	0	0	0	0
Clinical Global Impression of Change in Physical Frailty (CGIC-PP) (Studenski et al. (2004))	+	0	0	0	0	+	0	0
The Vulnerable Elders Survey (VES) (Saliba et al. (2001) and McGee (2008))	0	0	+	0	0	0	0	-
Study of Osteoporotic Fractures (SOF) instrument (Kiely et al. (2009))	0	0	+	0	0	0	0	0
Instrument 'Chin A Paw' (Chin A Paw et al. (1999))	0	0	+	0	0	0	0	0
Instrument 'Puts' (Puts et al. (2005))	0	0	+	0	0	0	0	0
Instrument 'Ravaglia' (Ravaglia et al. (2008))	0	0	+	0	0	0	0	0
Instrument 'Winograd' (Winograd et al. (1991))	0	0	+	0	0	0	0	0
Grip strength as a single marker (Syddall et al. (2003))	0	0	+	0	0	0	0	0
1594 Frailty Measure Strambbridge (Cigolle et al. (2009) and Matthews et al. (2004))	0	0	-	0	?	0	0	0
Self-report Screening Instrument (Brody (1997))	0	0	+	0	0	0	0	0
Geriatric Functional Evaluation (GFE) (Scarcella et al. (2005))	0	0	+	0	?	0	0	-
Frailty Index-Comprehensive Geriatric Assessment (FI-CGA) (Jones et al. (2004, 2005))	0	0	+	0	?	0	0	+

\*. Instrument fulfills the mentioned criterion; -, instrument does not fulfill the mentioned criterion; ?, doubtful design or method; 0, no information found (Terwee et al., 2007).

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## Definities en meten (3)

**BRIEF REPORTS**

### Prevalence of Frailty in Community-Dwelling Older Persons: A Systematic Review

Rose M. Collard, MSc,<sup>1\*</sup> Han Boter, PhD,<sup>2</sup> Robert A. Schoevers, MD, PhD,<sup>3</sup> and Richard C. Oude Voshaar, MD, PhD<sup>7,8</sup>

**OBJECTIVES:** To systematically compare and pool the prevalence of frailty, including prefrailty, reported in community-dwelling older people overall and according to sex, age, and definition of frailty used.

**DESIGN:** Systematic review of the literature using the key words elderly, aged, frailty, prevalence, and epidemiology.

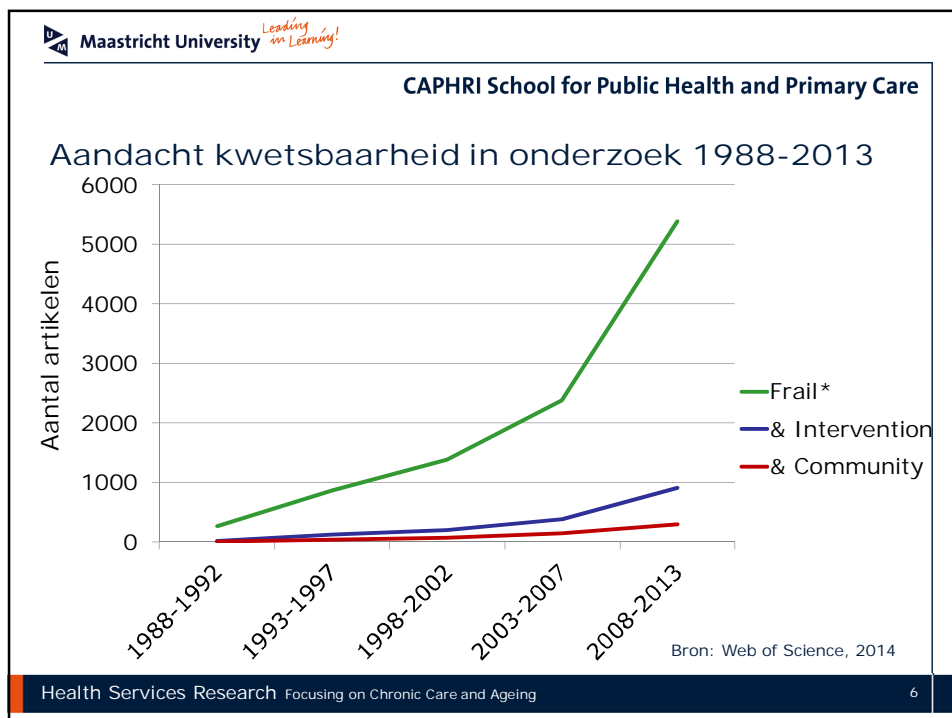
**SETTING:** Cross-sectional data from community-based

constitutes an important step forward. *J Am Geriatr Soc* 60:1487-1492, 2012.

**Key words:** frailty; prevalence; elderly

Prevalentie varieert van 4,0% tot 59,1%

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## Interventies: uitdaging!

Review, 2014  
(64 studies)

OPEN ACCESS Freely available online

PLOS ONE


### Preventive Home Visits for Mortality, Morbidity, and Institutionalization in Older Adults: A Systematic Review and Meta-Analysis

Evan Mayo-Wilson<sup>1\*</sup>, Sean Grant<sup>2</sup>, Jennifer Burton<sup>3</sup>, Amanda Parsons<sup>3</sup>, Kristen Underhill<sup>4</sup>, Paul Montgomery<sup>2</sup>

1 Center for Ourselves, Prevention and Effectiveness, Research Department of Clinical, Educational & Health Psychology, University College London, London, United Kingdom, 2 Center for Evidence-Based Intervention, Department of Social Policy and Intervention, University of Oxford, Oxford, United Kingdom, 3 Yale Law School, New Haven, Connecticut, United States of America, 4 Yale Law School, Yale Center for Investigative Research on AIDS, New Haven, Connecticut, United States of America

### Nationaal Programma Ouderenzorg

(7 studies)



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## Programma vandaag

11.15 – 11.35	<b>Proactieve ouderenzorg: wat heeft 25 jaar onderzoek opgeleverd?</b> <i>Dr. Erik van Rossum, lector Zorginnovaties voor Kwetsbare Ouderen, Zuyd Hogeschool Heerlen, senior onderzoeker Universiteit Maastricht</i>	
11.35 – 12.05	<b>Nieuwe inzichten uit het Nationaal Programma Ouderenzorg: een tussenstand</b> <i>Prof. dr. Betty Meyboom – de Jong, voorzitter van het Nationaal Programma Ouderenzorg, emeritus hoogleraar huisartsgeneeskunde, Rijksuniversiteit Groningen</i>	
12.05 – 12.30	<b>Welke competenties en tools hebben zorgverleners in de toekomst nodig?</b> <i>Dr. Ramon Daniëls, hoofddocent en senior onderzoeker, Zuyd Hogeschool Heerlen</i>	
12.30 – 13.30	Lunchpauze	
13.30 – 14.00	<b>Pathways in geriatric care: collaboration between primary and hospital care</b> <i>Prof. dr. Andreas Stuck, professor of Geriatrics, University of Bern, Switzerland</i>	
14.00 – 14.30	<b>Ageing in place: the role of the environment</b> <i>Dr. Sarah Szanton, associate professor, Johns Hopkins University, United States</i>	
14.30 – 15.00	<b>Discussie</b> <i>Prof. dr. Luc de Witte, lector en hoogleraar Technologie in de Zorg, Zuyd Hogeschool Heerlen en Universiteit Maastricht</i>	
15.00	Afsluiting	

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