

Supplementary Table: Domains covered in the self-administered questionnaires at baseline, wave 1, wave 2, and wave 3

Domains of interest (1-18)	Baseline Pra-questionnaire (2000-2001)	Wave 1 HRA-O (2000-2002)	Wave 2 LUCAS (2007-2008)	Wave 3 LUCAS (2009-2010)
1-About participant / socio-demographic factors e.g., age, sex, place of birth, income, native language, migration	2 [*]	5 ¹	4 ^{1,2}	1 ¹
2-Alcohol and Tobacco Use	-	18 ¹	1 ¹	1 ¹
3-Cognition e.g., cognitive activity	-	10 ¹	0 ¹	4 ¹
4-Environmental factors e.g., place of living, technical aids, access to garden or parks, access to public transport	1 [*]	1 ¹	1 ¹	6 ¹
5-Functional Limitations e.g., B-ADL, I-ADL, urinary incontinence, independence in daily activities	2 ^{3,4}	25 ¹	12 ^{1,5}	13 ^{1,5}
6-Health Care Use, Co-Morbidity and Medical History e.g., hospitalisation, physician visits, no. of diagnoses, ICF-short form	5	15 ^{6,1}	4 ^{6,1}	60 ^{6,1,7}
7-Health measurements and symptoms e.g., weight and height, BMI	-	39 ¹	2 ¹	2 ¹
8-Injury Prevention and Fall Syndrom e.g., fallrisk check, falls, consequences, fear of falling	-	7 ¹	4 ^{1,8}	4 ^{1,8}
9-Medication e.g., medical history, no. of medications, no. of OTC drugs	-	14 ¹	3 ¹	3 ¹
10-Mobility and Urban Activity Space e.g., motor vehicle use, public transport use, everyday life and leisure time	-	4 ¹	3 ^{1,2}	5 ^{1,2}
11-Nutrition and Oral Health e.g., nutrition record, weight loss, oral health	-	39 ¹	1 ¹	1 ¹

Domains of interest (1-18)	Baseline Pra questionnaire (2000-2001)	Wave 1 HRA-O (2000-2002)	Wave 2 LUCAS (2007-2008)	Wave 3 LUCAS (2009-2010)
12-Pain	-	26 ¹	1 ¹	3 ¹
13-Physical and Mental Activity	-	22 ¹	7 ^{1,9}	8 ^{1,9}
14-Preventative and Health Improving measures e.g., health checkup (GP), dental checkup, immunisations, attitude	-	11 ¹	3 ¹	5 ^{1,3}
15-Psychological factors and Affect e.g., depressive mood, attitude of ageing, health literacy	-	23 ¹	1 ¹	9 ^{1,3}
16-Self-Perceived Health and Quality of Life	1	1 ^{6,1}	1 ¹	2 ^{1,3}
17-Sensory Systems e.g., vision problems, hearing problems	-	22 ¹	4 ¹	4 ¹
18-Social factors and Life events e.g., social net, social activity, education, profession, biography	1	17 ^{6,1}	8 ^{6,1,3}	11 ^{6,3,1}

* Age, sex and address are covered in all waves but shown in this table 1 only once at baseline

Domains are related to functional decline in community-dwelling elderly people according to a systematic review: Stuck AE, Walthert JM, Nikolaus T, Büla CJ, Hohmann C, Beck JC: **Risk factors for functional status decline in community-living elderly people: A systematic literature review.** *Soc Sci Med* 1999, 48:445-469 and a frailty framework: Bergman H, Beland F, Karunanathan S, Hummel S, Hogan D, Wolfson C: **Developing a Working Framework for Understanding Frailty 2004.** [<http://www.frail-fragile.ca>].

References to individual questions:

¹Stuck AE, Kharicha K, Dapp U, Anders J, von Renteln-Kruse W, Meier-Baumgartner HP, Harari D, Swift CG, Ivanova K, Egger M, Gillmann G, Higa J, Beck JC, Iliffe S: **Development, feasibility and performance of a health risk appraisal questionnaire for older persons.** *BMC Medical Research Methods* 2007, **7**:1 (online, open access).

²Dapp U, Lorentz Ch, Laub S, Anders J, von Renteln-Kruse W, Minder Ch, Dirksen-Fischer M: **Im Alter aktiv und gesund leben – Ergebnisse einer repräsentativen Seniorenbefragung in Hamburg.** *Z Gerontol Geriat* 2009; **42**:245-255.

³Own development, e.g. question to "Pflegestufe" according to the German health insurance law (SGB XI Soziale Pflegeversicherung. 10. Auflage, Taschenbuch Verlag 2010).

⁴Katz S, Ford AB, Moskowitz RW, Jackson BA, Jaffe MW: **Studies of illness in the aged. The index of ADL: A standardized measure of biological and psychosocial function.** *JAMA* 1963, **185**:914-919.

⁵DEGAM – Deutsche Gesellschaft für Allgemeinmedizin und Familienmedizin: *Leitlinie 5: Harninkontinenz.* Düsseldorf; 2004. [<http://www.degam-leitlinien.de>]

⁶Boult C, Dowd B, McCaffrey D, Boult L, Hernandez R, Krulewitch H: **Screening elders for risk of hospital admission.** *J Am Geriatr Soc* 1993, **41**:811-817.

⁷WHO – World Health Organization: *ICF Checklist, Version 2.1a, Clinician Form for International Classification of Functioning, Disability and Health.* 2003. [<http://www.who.int/classifications/icf/en/>]

⁸Anders J, Dapp U, Laub S, von Renteln-Kruse W, Juhl K: **Einschätzung der Sturzgefährdung gebrechlicher, noch selbstständig lebender, älterer Menschen.** *Z Gerontol Geriat* 2006, **39**:268-276.

⁹Meier-Baumgartner HP, Dapp U, Anders J: *Aktive Gesundheitsförderung im Alter: Ein neuartiges Präventionsprogramm für Senioren.* 2nd. edition. Stuttgart: Kohlhammer Verlag; 2006.