

Health-related quality of life and patient experience measures regarding care transitions in hospitalized older patients with chronic diseases: a cross-sectional survey study

The Patient – Patient-Centered Outcomes Research

Merel Leithaus^{1,2}, Johan Flamaing^{3,4}, Geert Goderis⁵, Hilde Verbeek², Mieke Deschodt^{3,6}

1 Academic Center for Nursing and Midwifery, Department of Public Health & Primary Care, KU Leuven, Leuven, Belgium

2 Department of Health Services Research, Maastricht University, Maastricht, The Netherlands

3 Gerontology and Geriatrics, Department of Public Health & Primary Care, KU Leuven, Leuven, Belgium

4 Division of Gerontology and Geriatrics, University Hospitals Leuven, Leuven, Belgium

5 Academic Center for General Practice, Department of Public Health & Primary Care, KU Leuven, Leuven, Belgium

6 Competence Center of Nursing, University Hospitals Leuven, Leuven, Belgium

Corresponding author:

Mieke Deschodt, Mieke.deschodt@kuleuven.be

Supplementary information 2

Comparative analysis on all HRQOL and patient experience outcomes

Supplementary table 1: Mean scores for total population and compared by group for EQ-5D-5L health dimensions

	Total population mean SD	ICP region mean (SD)	Non-ICP region mean (SD)	P-value
Mobility (0-4)	1.89 (1.27)	1.89 (1.11)	1.89 (1.33)	0.99
Selfcare (0-4)	1.52 (1.32)	1.50 (1.25)	1.47 (1.30)	0.91
Daily activity (0-4)	1.9 (1.38)	1.83 (1.36)	1.93 (1.38)	0.74
Pain/Discomfort (0-4)	1.54 (1.05)	1.57 (.95)	1.62 (1.07)	0.8
Fear/depression (0-4)	.59 (.87)	.59 (.85)	.59 (.86)	0.97
Health scale (0-100)	56.97 (19.05)	56.81 (20.77)	56.67 (18.69)	0.97

Supplementary table 2: Mean scores for total population and compared by groups an all patient experience dimensions

	Total population mean (SD)	ICP region mean (SD)	Non-ICP region mean (SD)	P-value comparing means
<u>Hospital Accessibility (0-2)</u>				
Problem to reach the hospital by own transport	1.6 (.71)	1.5 (.81)	1.6 (.69)	0.717
Number of parking lots experienced as a problem	1.8 (.46)	1.7 (.50)	1.8 (.44)	0.584
Problem to reach hospital by public transport	1.3 (.85)	1.6 (.74)	1.1 (.87)	0.262
<u>Hospital Admission</u>				
Problem with Hospital admission (0-2)	1.6 (.61)	1.4 (.73)	1.7 (.51)	0.013*
Wishes taken into account when choosing day of admission (0-1)	.72 (.45)	.88 (.34)	.68 (.47)	0.221
Problem with waiting period (number of days) before admission to hospital (0-2)	1.8 (.49)	1.7 (.70)	1.8 (.46)	0.688
Overall experience: during admission (0-10)	8.3 (1.42)	8.1 (1.13)	8.4 (1.54)	0.397
<u>Admission conversation (0-1)</u>				
Admission conversation taken place with nurse	.77 (.42)	.76 (.43)	.76 (.42)	0.993
Information about patient rights	.33 (.47)	.38 (.49)	.31 (.47)	0.622
Information about hospital rules	.42 (.49)	.38 (.49)	.48 (.50)	0.432
Information about procedures at admission	.62 (.48)	.50 (.51)	.72 (.45)	0.07
Information about patient safety	.04 (.21)	.04 (.21)	.05 (.22)	0.968
Information about contact person at hospital	.54 (.50)	.59 (.50)	.51 (.50)	0.546
Details provided on contact person at home	.72 (.44)	.66 (.48)	.80 (.40)	0.208
Details provided about medication intake	.88 (.32)	.83 (.38)	.91 (.27)	0.295
Reanimation wishes discussed	.36 (.48)	.50 (.51)	.30 (.46)	0.122
Dietary requirements discussed	.59 (.49)	.57 (.50)	.62 (.49)	0.699
Allergies to substances/medicines discussed	.61 (.48)	.63 (.49)	.65 (.48)	0.908
Estimated discharge date discussed	.44 (.50)	.42. (.50)	.44 (.50)	0.921

Personal wishes during hospitalization discussed	.43 (.49)	.40 (.50)	.46 (.50)	0.662
<u>Admission at the ward (0-1)</u>				
Someone welcomed you at the ward and provided explanation?	.84 (.37)	.88 (.32)	.85 (.36)	0.628
Were the caretakers polite to you?	.98 (.14)	.94 (.24)	1 (.00)	0.055*
Did the caretakers listen attentively to you ?	.97 (.17)	.93 (.25)	.98 (.13)	0.231
Did the caretakers take you serious?	.96 (.20)	.90 (.30)	.98 (.13)	0.09
Did the caretakers have enough time for you?	.87 (.33)	.81 (.40)	.91 (.28)	0.165
Did the caretakers give you understandable explanations?	.96 (.20)	.93 (.25)	.96 (.18)	0.522
Did you receive contradictory information from the caretakers?	.91 (.28)	.82 (.38)	.94 (.22)	0.072
Overall experience: admission at the ward (0-10)	8.5 (1.52)	8.06 (1.99)	8.7 (1.05)	0.024*
<u>Care provided by nurses (0-3)</u>				
Were the nurses polite to you?	2.8 (.39)	2.8 (.43)	2.8 (.36)	0.97
Did the nurses listen attentively to you?	2.69 (.56)	2.7 (.52)	2.6 (.57)	0.912
Did the nurses have enough time for you?	2.4 (.71)	2.3 (.77)	2.4 (.69)	0.247
Did the nurses take you serious?	2.6 (.58)	2.6 (.58)	2.6 (.57)	0.902
Did the nurses give you understandable explanations?	2.6 (.60)	2.6 (.68)	2.7 (.57)	0.556
Did you receive contradictory information from the nurses?	2.7 (.57)	2.8 (.31)	2.7 (.67)	0.169
Did the nurses keep the commitments they made with you?	2.6 (.57)	2.6 (.58)	2.6 (.57)	0.714
Overall experience: care provided by nurses (0-10)	8.7 (1.22)	8.6 (1.45)	8.7 (1.10)	0.766
<u>Care provided by doctors (0-3)</u>				
Were the doctors polite to you?	2.9 (.32)	2.9 (.35)	2.9 (.30)	0.762
Did the doctors listen attentively to you?	2.8 (.46)	2.8 (.34)	2.7 (.51)	0.339
Did the doctors have enough time for you?	2.5 (.66)	2.5 (.50)	2.5 (.75)	0.701
Did the doctors take you serious?	2.7 (.45)	2.8 (.40)	2.7 (.48)	0.718
Did the doctors give you understandable explanations?	2.6 (.62)	2.7 (.45)	2.6 (.68)	0.323
Did you receive contradictory information from the doctors?	2.7 (.72)	2.7 (.59)	2.7 (.77)	0.793
Did the doctors keep the commitments they made with you?	2.6 (.54)	2.6 (.58)	2.7 (.51)	0.525
Overall experience: care delivered by the doctors of the hospital (0-10)	8.7 (1.32)	8.7 (.92)	8.8 (1.29)	0.857
<u>Communication over treatment (0-3)</u>				
Did doctors or nurses tell you beforehand why a treatment was necessary?	2.2 (.81)	2.2 (.82)	2.3 (.80)	0.714
Did doctors or nurses tell you beforehand what each treatment contains?	2.2 (.82)	2.0 (.93)	2.2 (.76)	0.298
Did you receive an explanation what the use of the new medication is?	2.1 (.90)	2.2 (.85)	2.1 (.86)	0.645
Did you receive an explanation about possible side effects before taking new medication?	1.3 (1.24)	1.4 (1.23)	1.3 (1.27)	0.871

Were you able to have a say in matters that you find important?	1.6 (1.10)	1.6 (1.07)	1.67 (1.09)	0.932
Was the collaboration between caregivers a problem? (0-2)	1.9 (.24)	1.9 (.16)	1.9 (.16)	0.571
<u>Hospital safety (0-3)</u>				
Was it checked if medication belongs to you?	2.5 (1.00)	2.5 (1.03)	2.5 (.97)	0.858
<u>Hospital discharge (0-1)</u>				
Were important persons and institutions informed about your discharge?	.67 (.47)	.73 (.44)	.68 (.46)	0.583
Did you receive information at discharge about the use of new medications?	.90 (.30)	.94 (.22)	.86 (.34)	0.198
Did you receive oral and written information on how to take the new medication?	.87 (.33)	.92 (.26)	.85 (.45)	0.346
Did you receive oral and written information about the use of the new medication in combination with existing medicines?	.66 (.47)	.80 (.40)	.60 (.49)	0.088
Did you receive information about any symptoms or health problems you should be aware of?	.49 (.50)	.55 (.50)	.47 (.50)	0.466
Did you receive information about which activities you can and cannot do?	.48 (.50)	.52 (.50)	.47 (.50)	0.59
Did you talk to hospital staff about the help you need after discharge?	.63 (.48)	.62 (.49)	.66 (.47)	0.684
Did you receive information on what to do if problems arise after your discharge?	.57 (.49)	.56 (.50)	.55 (.50)	0.869
Was the result of your hospitalization in line with your expectations?	.79 (.40)	.83 (.37)	.79 (.40)	0.567
Was the discharge experienced as a problem? (0-2)	1.9 (.31)	1.8 (.31)	1.9 (.32)	0.733
Overall experience: hospital discharge (0-10)	8.3 (1.45)	8.07 (1.69)	8.39 (1.34)	0.291

* = $p \leq .05$