Care Giving Behaviours as Perceived by **Patients and Nurses: A Comparative International Study**

Instruments of the study

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Caring Behaviors Inventory

- Developed by Zane Wolf (1981) based on Jean Watson's theory and literature
- Use to nurses and patients
- Several versions

Caring Behaviors Inventory

- A Likert scale
- First version 4 point scale – CBI 43

  1 = strongly dissagre ... 4 = strongly agree

  Test tetest reliability 0.96 in the nurse sample

  Internal consistency 0.96 in the combined nurse-patient sample

  Content validity by a panel of experts

CBI 43 combined nurse and patients responses

Factor	Eigenvalue	% explained variance
1	15.7092	36.5%
2	2,5775	6%
3	1.94179	4.5%
4	1.8051	4.2%
5	1,3730	3.2%
6	1.0268	2.4%

(Wolf et al, 1994)

Caring Behaviors Inventory

CBI 42 – Factor items and Alpha Coefficients

Factor	Items	alpha
Respectful deference to others	12	0.8906
Human presence	12	0.9221
Positive connectness	9	0.8452
Knowledge & skill	5	0.8157
Other's experience	4	0.8191

■ Revision of scale (1994) – CBI 42
   1 = never ... 6 = always

Caring Behaviors Inventory

- Wolf Z (1998) Retesting CBI 42

  Cronbach´s alpha 0.98

- Wolf Z (2003) Retesting CBI 42

  Cronbach´s alpha 0.95

- Larabee et al (2004)

  Cronbach´s alpha 0.98

Caring Behaviors Inventory

- Wu et al 2006 → CBI 24

  - internal consistency 0.96 patients, 0.96 nurses

  - convergent validity through relationship with patient satisfaction score ($r=0.62$)

  - construct validity through correlations with patient characteristics (age, satisfaction with life, pain level)

  - similar statistical conclusions as CBI 42

  - good test-retest reliability (0.88 patients, 0.82 nurses)

  - covers 4 of the five dimensions assessed
    by CBI 42

CBI 24 – Factor Internal Consistency

Factor	Patients	Nurses
Human presence	0.92	0.92
Professional knowledge	0.87	0.83
Respectful deference	0.91	0.92
Connectness	0.82	0.87

Caring Behaviors Inventory

- Short length of time (12.30 minutes CBI 42)
- Consistent – understandable language
- Understandable instructions
- Easy to analyze results
- Can be used both to patients and nurses

Caring Behaviors Inventory

- **Wu et al** (2006) Caring Behaviors Inventory
  A reduction of the 42-item inventory

- **Green A** (2004) Caring Behaviors as Perceived by Nurse Practitioners

- **Coulombe at al** (2002) Caring Bahaviors Invetory:
  Analysis and Responses by Hospitalized Surgical patients

- **Brunton & Beaman** (2000) Nurse Practioners' Perceptions of Their Caring Behaviors

- **Swan B** (1998) Postopererative Nursing Care Contributions to Symptom Distress and Functional Status After Ambulatory Surgery

- **Wolf et al** (1998) Relationship between nurse caring and patient satisfaction

Indivualized Care Scale

- A 38 item bipartite questionnaire
- Developed by Pr. Suhonen et al (2000)
- Identify nurses' and patients' perceptions on individualized care
- ICS A → explores the practice of individualised care during nursing interventions (19 items)
- ICS B → examines the perception of individuality in care (19 items)

Indivualized Care Scale

Validity established through:

- Face validity
- Content validity
- Concept validity

Indivualized Care Scale

ICS A	0.94
ICS B	0.93

Alpha coefficients for ICS A & ICS B

Subscale	ICS A	ICS B
Clinical situation	0.89	0.89
Personal life situation	0.88	0.85
Decisional control over care	0.88	0.83

Alpha coefficients for subscales

(Suhonen et al, 2005)

Indivualized Care Scale

■ Use of a modified version – 34 items

■ 3 subscales within the questionnaire
  - individual patient characteristics in the clinical
    situation caused by the hospitalisation (7 items)
  - the patient's personal life situation before the
    hospitalization (4 items)
  - decisional control over own care (6 items)

■ Likert scale
  1 = fully dissagre ... 5 = fully agree

Patient Satisfaction Scale

- Developed by Hessok Suzie Kim (1988)

- Modified by Pr. Helena Kilbi (2003)

- 4 point Likert questionnaire

  1 = very dissatisfied ... 4 = very satisfied

- 11 item instrument