



# Describing Home Care Client Acuity in Istanbul

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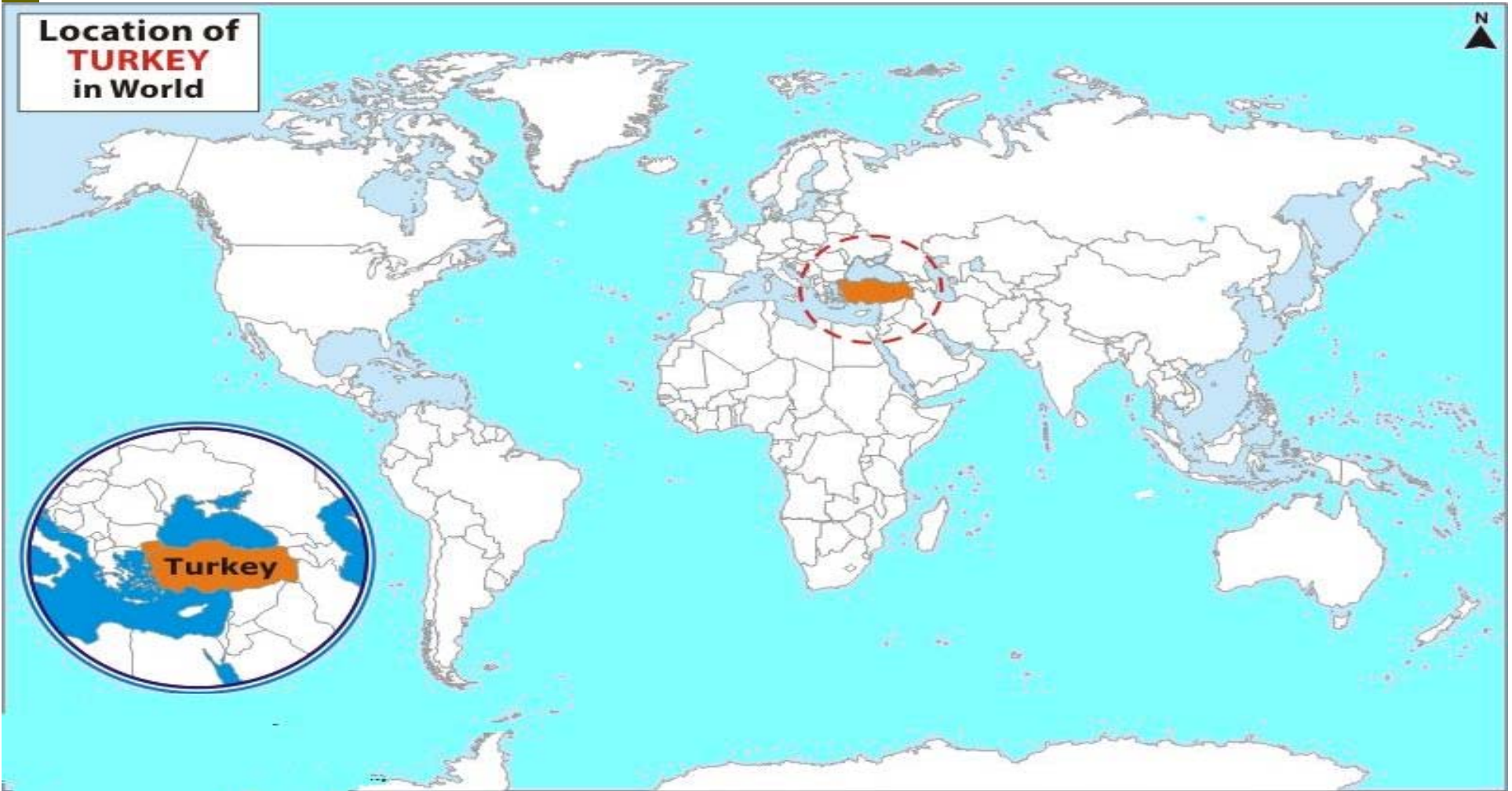
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# TURKEY

A country that combines both the Asian and European continents





# ISTANBUL



The city which bridges two continents



## “Using the Omaha System to Describe Health Problems, Interventions, and Outcomes in Home Care in Istanbul, Turkey: A Student Informatics Research Experience”

- This descriptive study was planned within **the Omaha System Partnership for Knowledge Discovery and Health Care Quality**.
- ✓ The study team: Semra Erdogan, PhD; Selda Secginli, PhD; Gulhan Cosansu, PhD; Nursen O. Nahcivan, PhD; M. Nihal Esin, PhD; Emine Aktas, MSc; Karen A. Monsen, PhD, RN, FAAN
- ✓ This study was published in CIN: Computers, Informatics, Nursing, 2013

## Study purpose and ...

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- To provide identify the frequency and type of home care clients' health problems, nursing interventions, and outcomes using a standardized nursing terminology, the Omaha System.
- A purposive sampling strategy was used to identify clients from these home care centers (n= 598).
- Following the student nurse training, 159 students conducted face-to-face interviews with home care patients
- Students entered Omaha System data from patient interviews into OHEBIS (A Turkish Nursing Information System) to manage data more efficiently at the university computer laboratory.

## Data analysis

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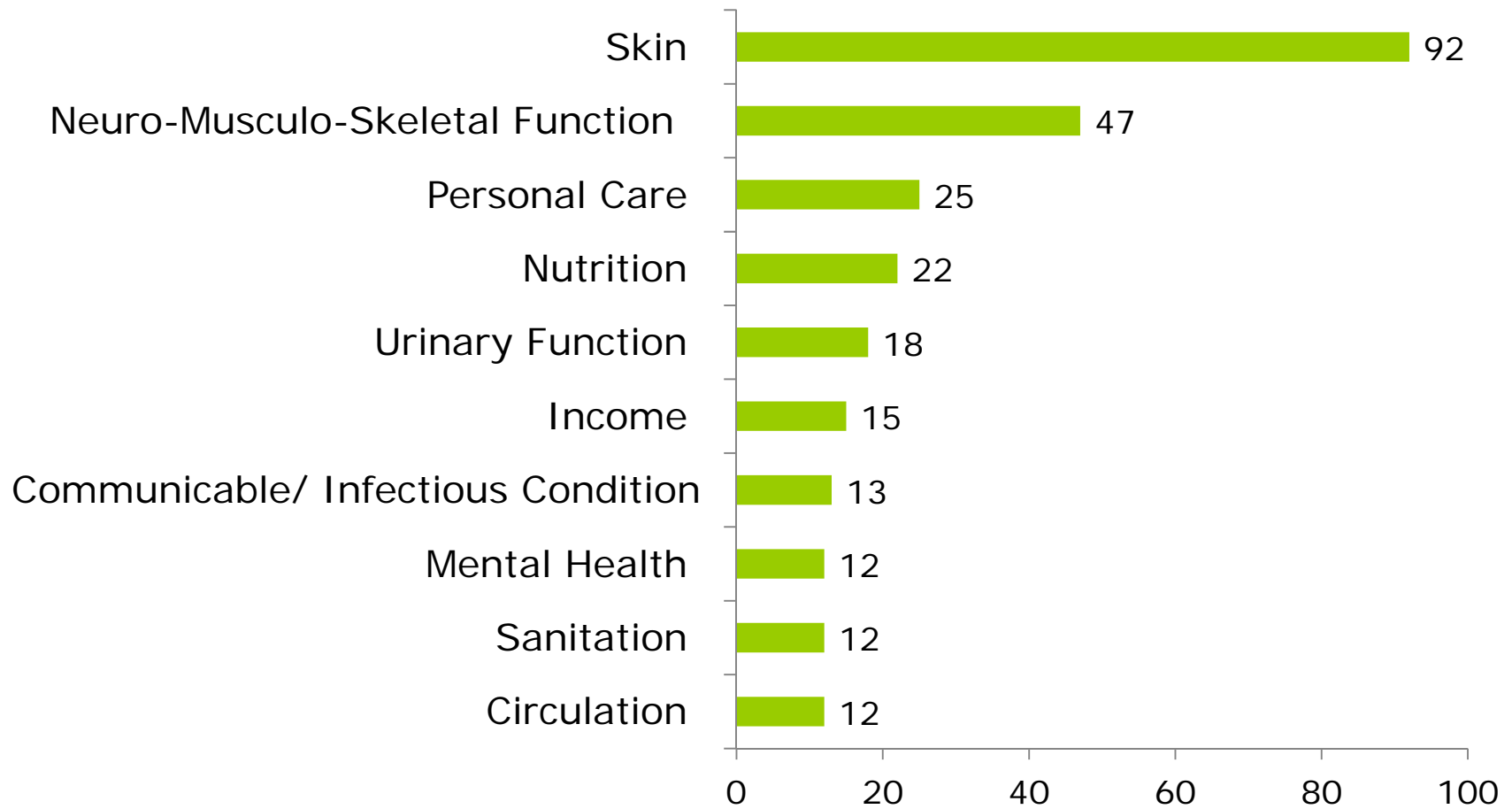
- Data were queried from OHEBIS and imported into Excel and SPSS.
- Frequencies and descriptive statistics were used to describe characteristics of the sample, frequencies of problems and interventions, and pre- and post-intervention problem ratings (knowledge, behavior, and status).

## Sample Characteristics

Characteristics		Frequency	%
Gender (n:598)	<b>Women</b>	318	<b>53</b>
	Men	280	47
Age (years) (n:547)	<18	11	2
	19-64	209	38.2
	<b>≥65</b>	<b>327</b>	<b>59.8</b>
Education level (years) (n: 598)	No education	150	25
	<b>Primary school (1-5)</b>	<b>242</b>	<b>40.5</b>
	Middle school (6-8)	42	7
	High school (9-11)	126	21
	University (12 and more)	5	1
	Other*	33	6
Marital status (n: 598)	<b>Married</b>	<b>259</b>	<b>43</b>
	No married /single	96	16
	<b>Divorce /widowed</b>	<b>243</b>	<b>41</b>
Having health insurance (n:585)	<b>Yes</b>	<b>466</b>	<b>79.6</b>
	No	119	20.4

# Problems (%)

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# Intervention Categories

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Teaching, guidance, and  
counseling (47%)



Treatments and procedures  
(22%),



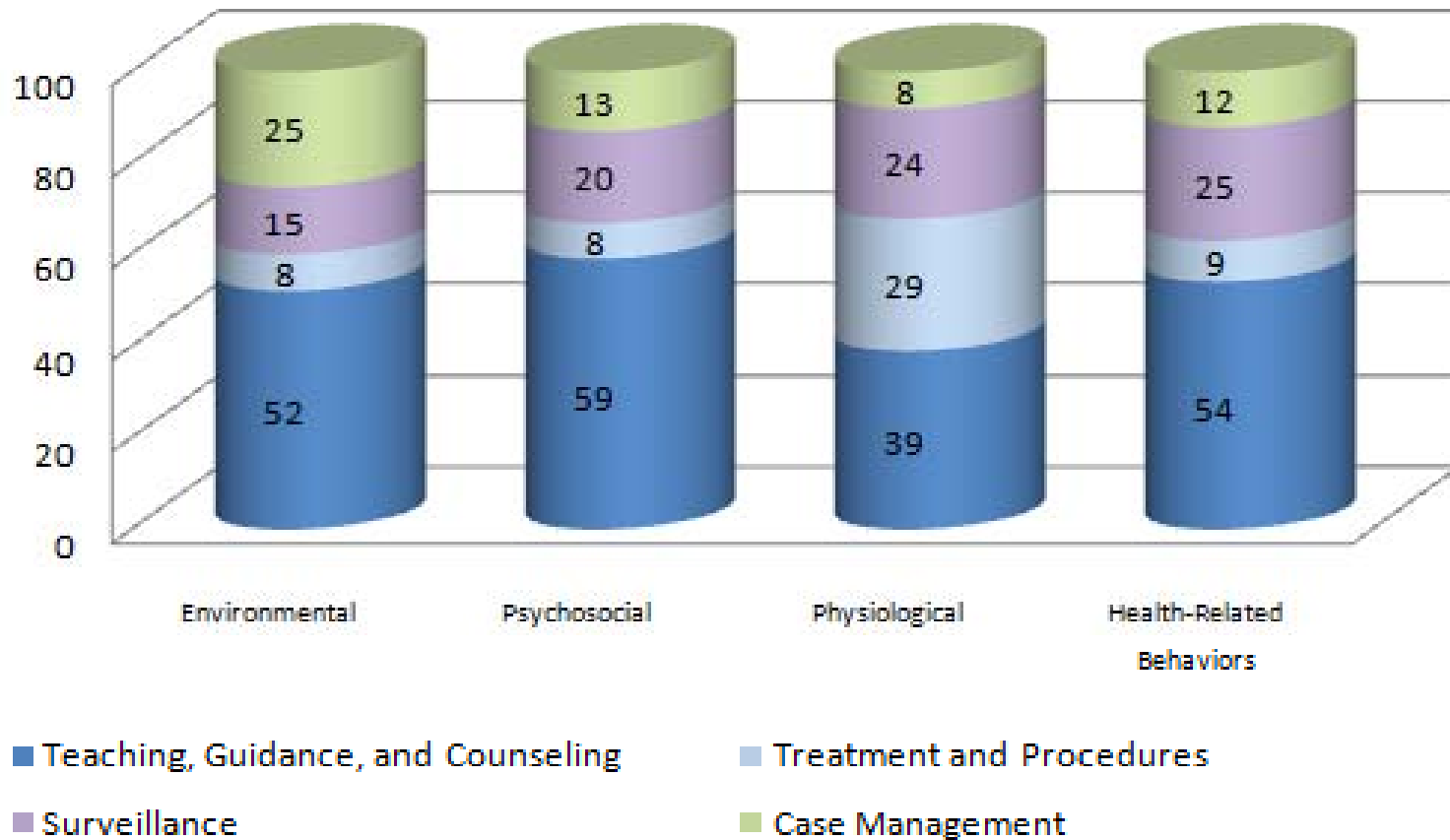
Surveillance (22%),



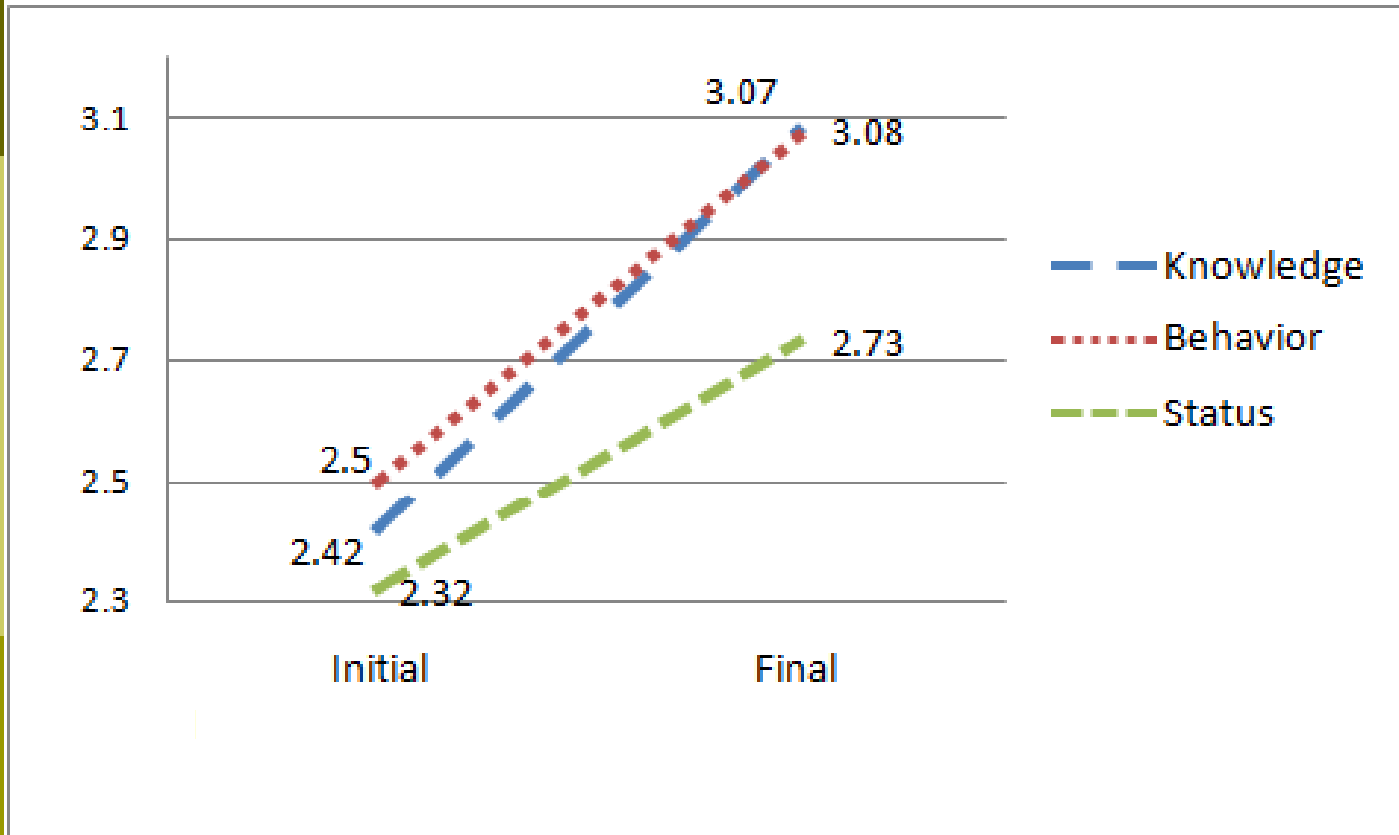
Case management (9%)



# Categories- Omaha System Domains



# KBS Initial and Final Ratings for Problems



## KBS Change

Knowledge - 0.65

Behaviour - 0.58

Status - 0.31

## Last words....

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- In the study, the Omaha System data provided important information about home care patients in Istanbul.
- The Omaha System allows us to show differences between populations
- THANK YOU...