



UNIVERSIDAD  
DE GUANAJUATO

# Living with End-Stage Renal Disease: Perceived Impact of Treatment in a Mexican Hemodialysis Clinic

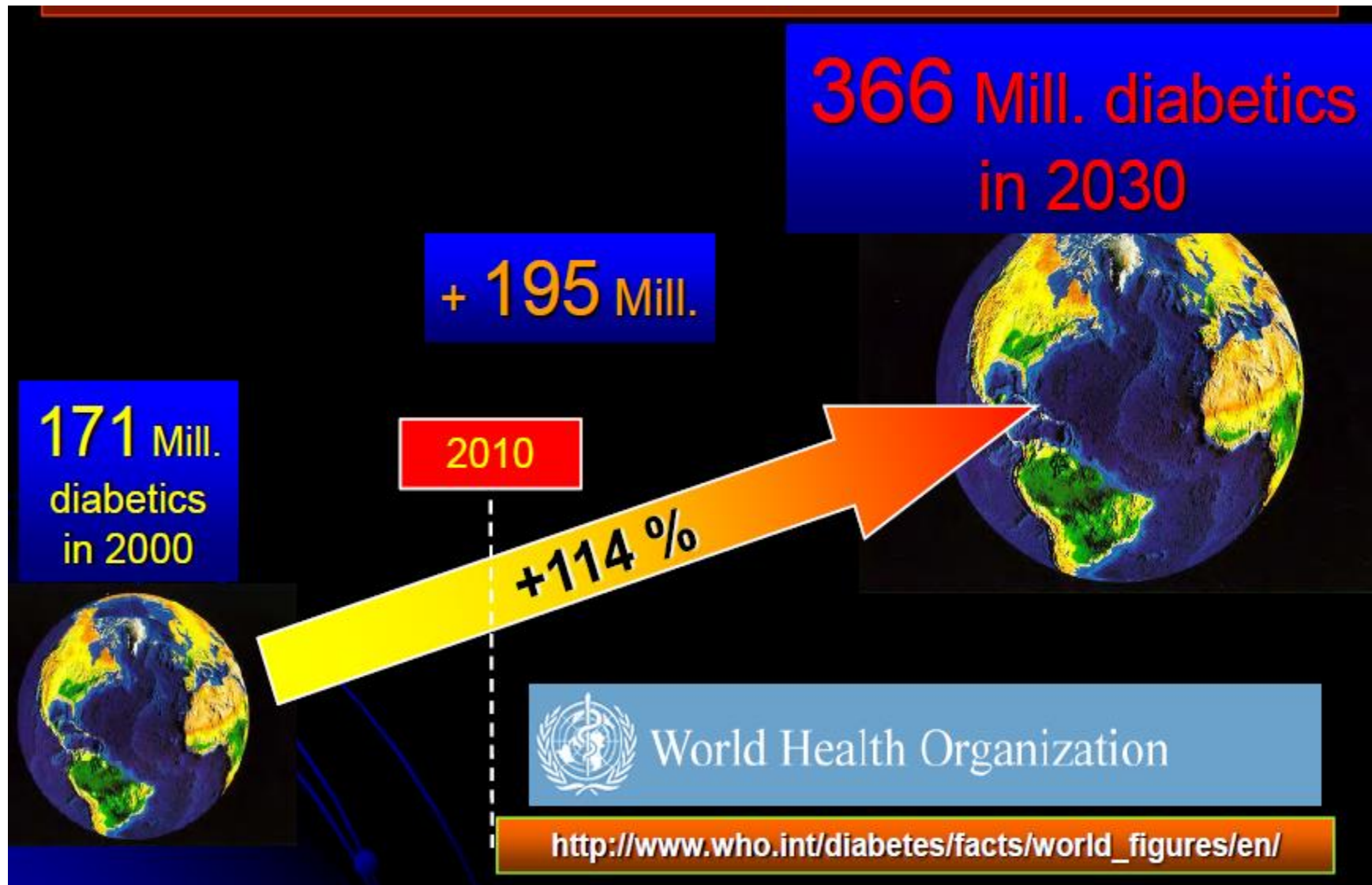
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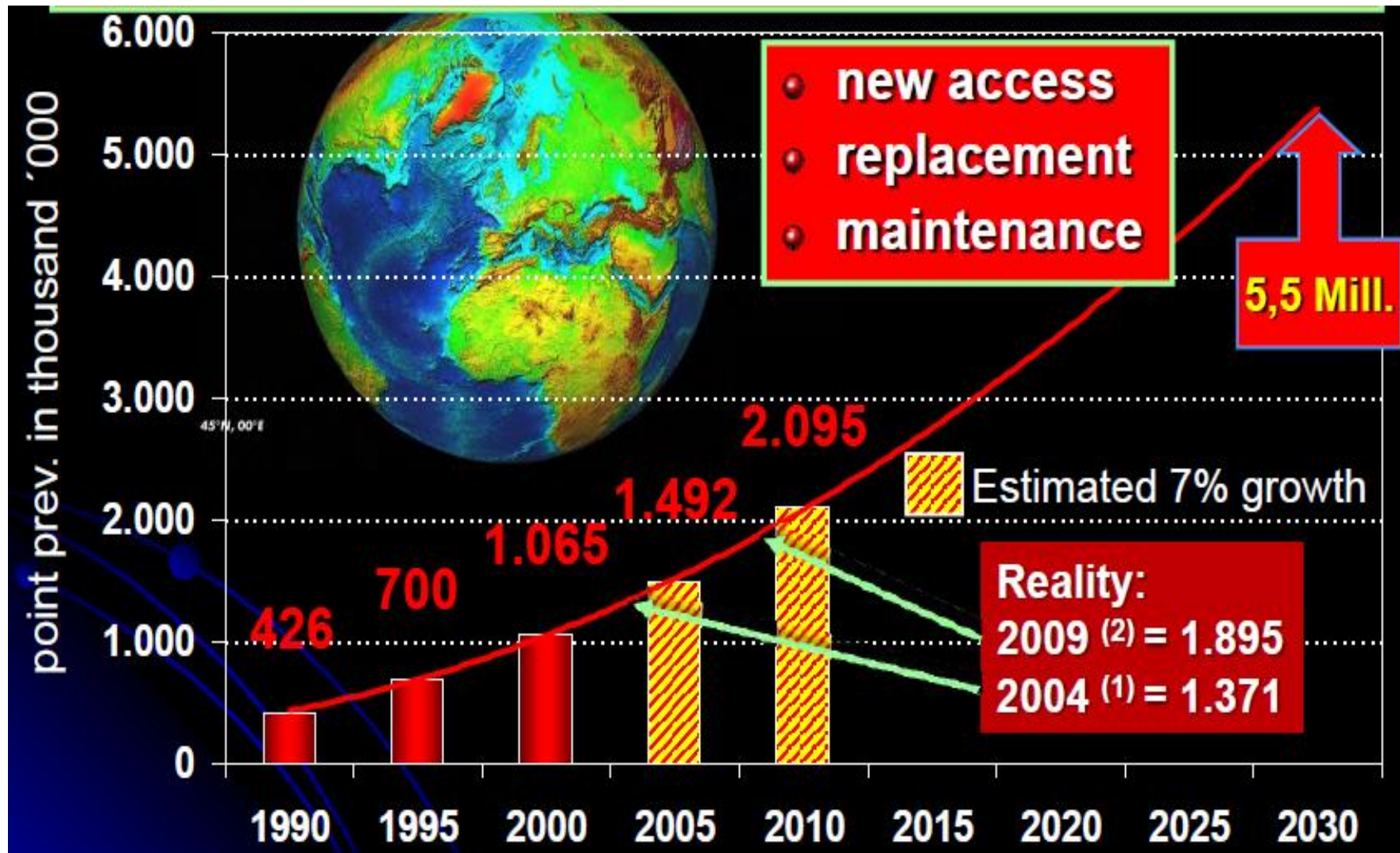
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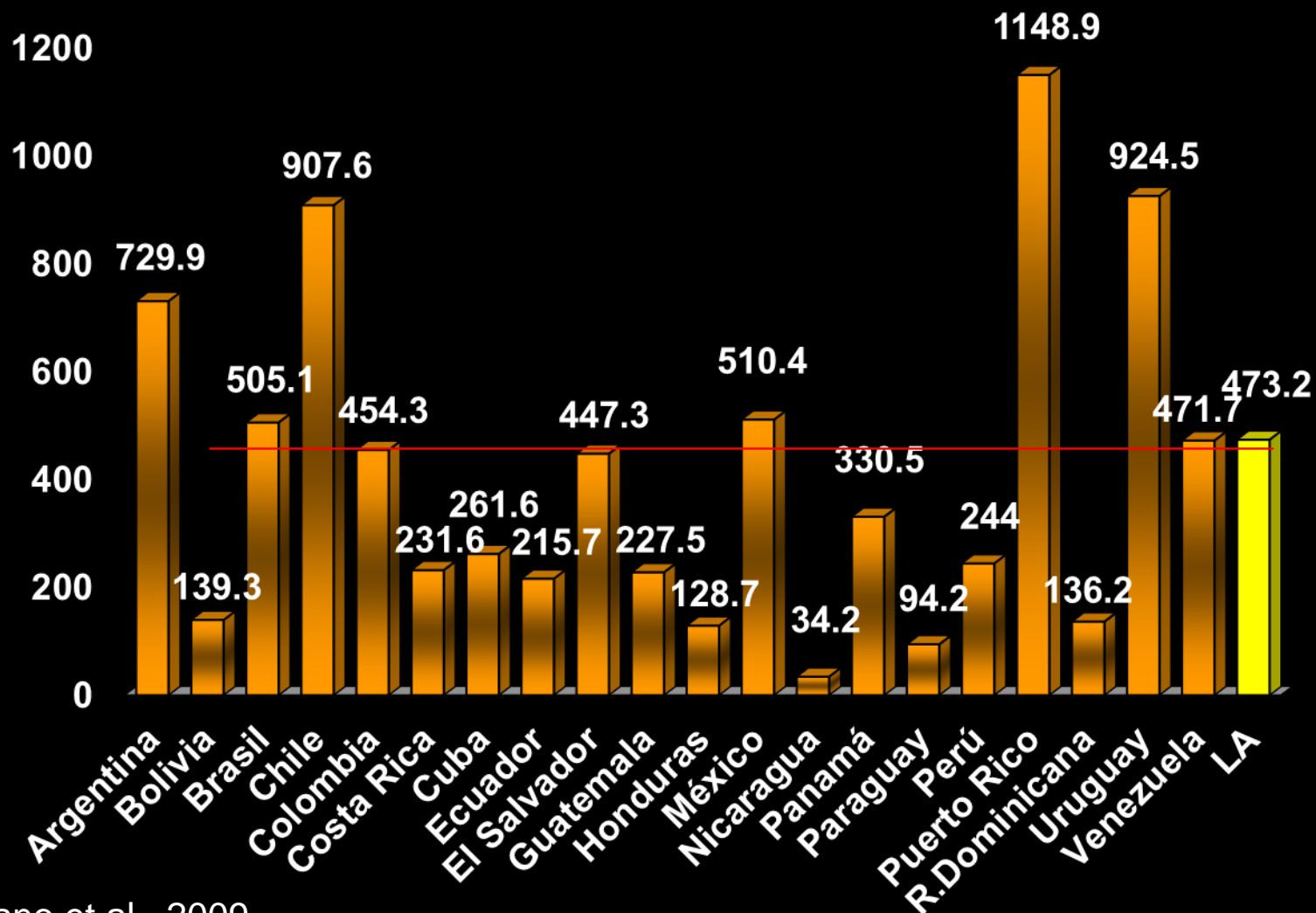
# T2D Leading Cause of ESRD



# End-Stage Renal Disease



# Latin America: ESRD Prevalence

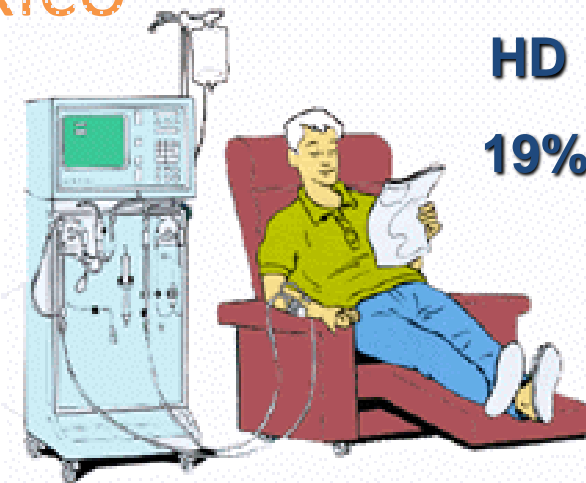


Cusumano et al., 2009

# Treatment Modalities for ESRD in Mexico



**CAPD**  
**80%**

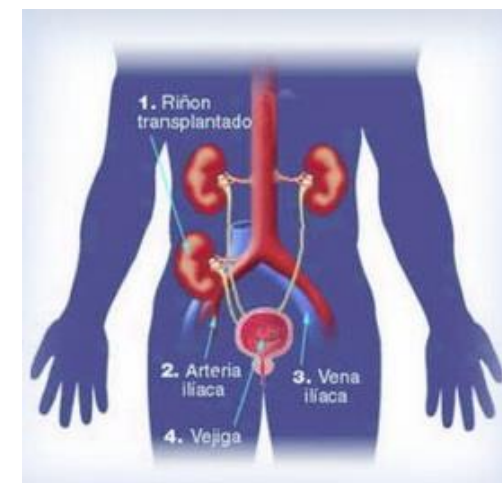


**HD**  
**19%**

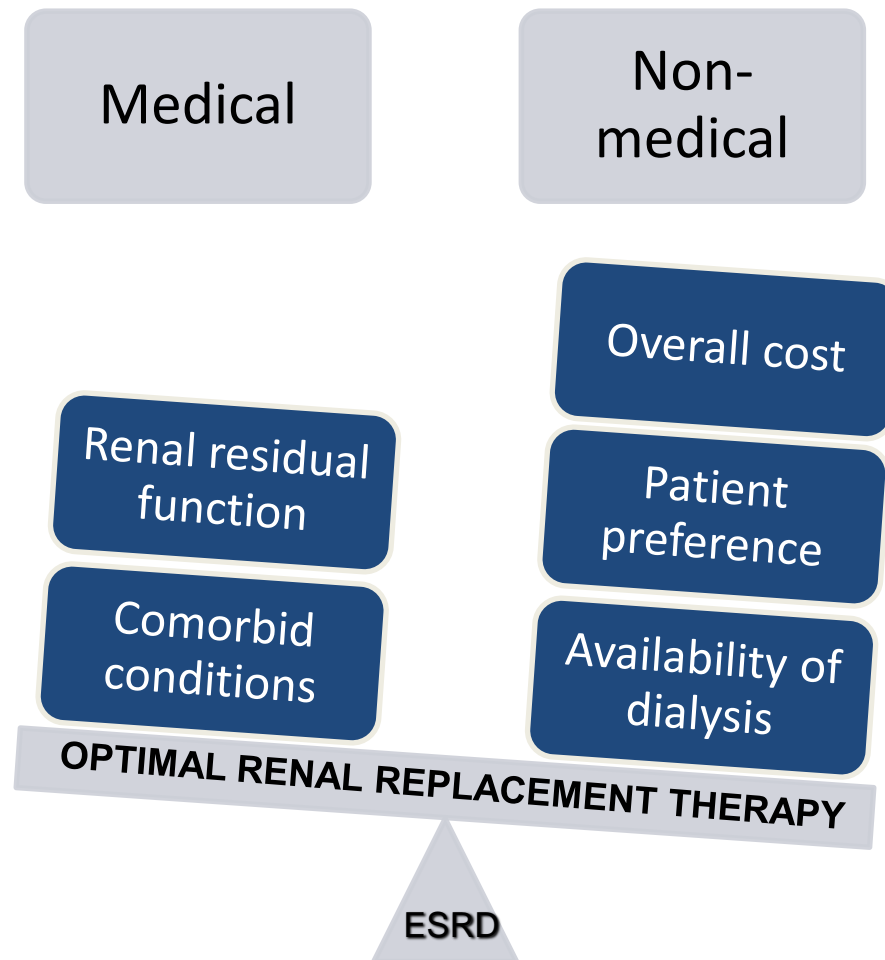
**APD** 1%



**RT**



# Treatment Selection for ESRD



# Purpose

- To describe the impact of hemodialysis treatment on the health related quality of life of persons with end-stage renal disease attending a Mexican hemodialysis unit.

# Methods

- 69 Mexican patients
- KDQOL-SF 19 dimensions (80 item)
  - SF-36. 8 dimensions
  - 1 health transition item
  - 11 kidney-disease-targeted dimensions
- Physical Component Summary (PCS), the Mental Component Summary (MCS), the health transition item and the 11 kidney-disease-targeted.
- The scores range from 0 to 100, with higher scores reflecting better HR-QOL. Data were analyzed using SPSS software (V21).



# Results

## Demographics

43 ±19 years old

52% female

49% married

5.±3 years of education

40 % without monthly salary

91% with health insurance

Predominant comorbidity was diabetes (27%)

## Medical

Attend mornings (45%) and evenings (43%)

two-three (36%-62%) times a week, from three to four hours connected (96%)

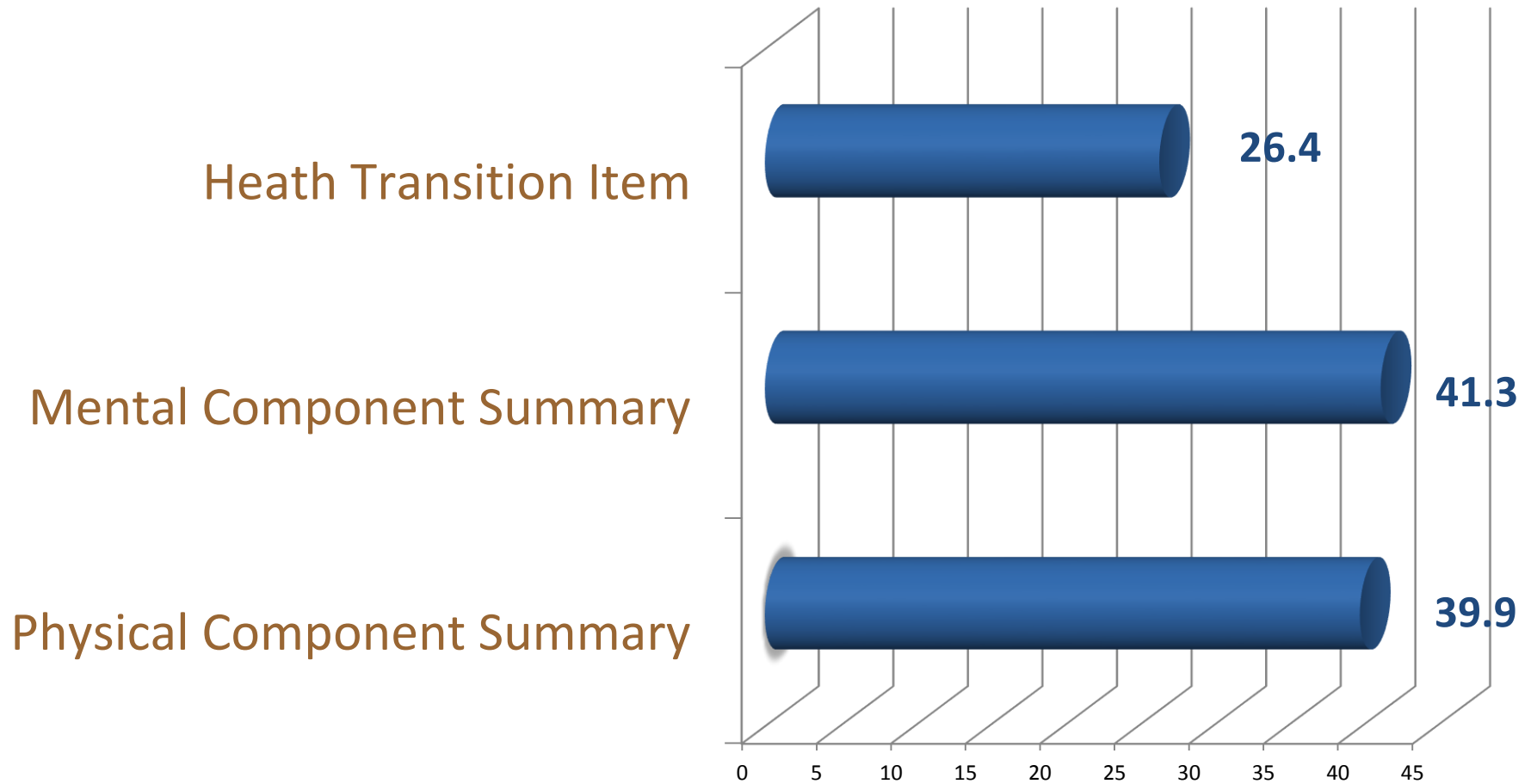
vascular access were a catheter (55%) and arterio-venous fistula (45%)

installed less than a year (43%) or two (36%) ago.

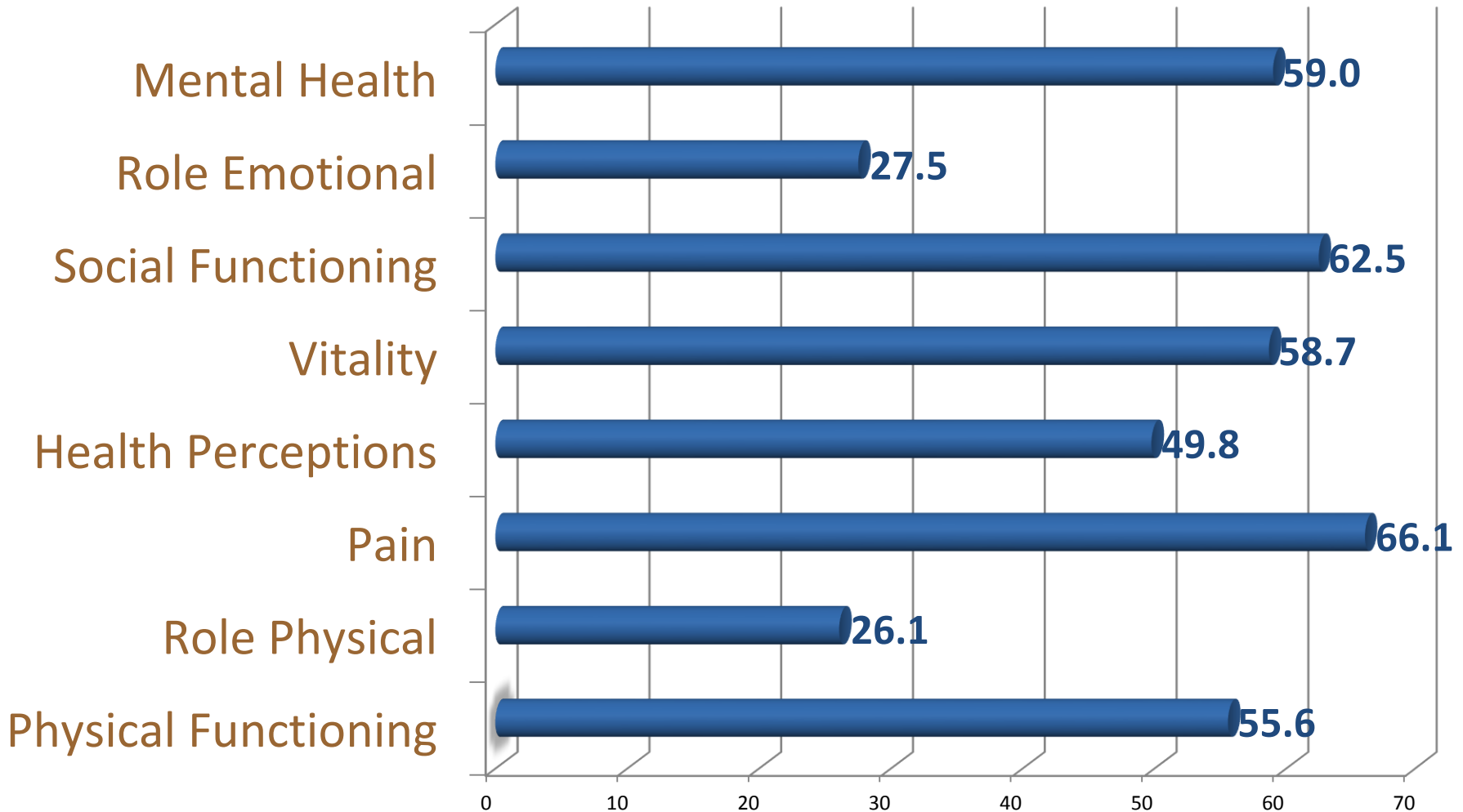
43% at least one hospitalization during the last year from 1-3 days (43%)

71% referred to take hypertensive medications.

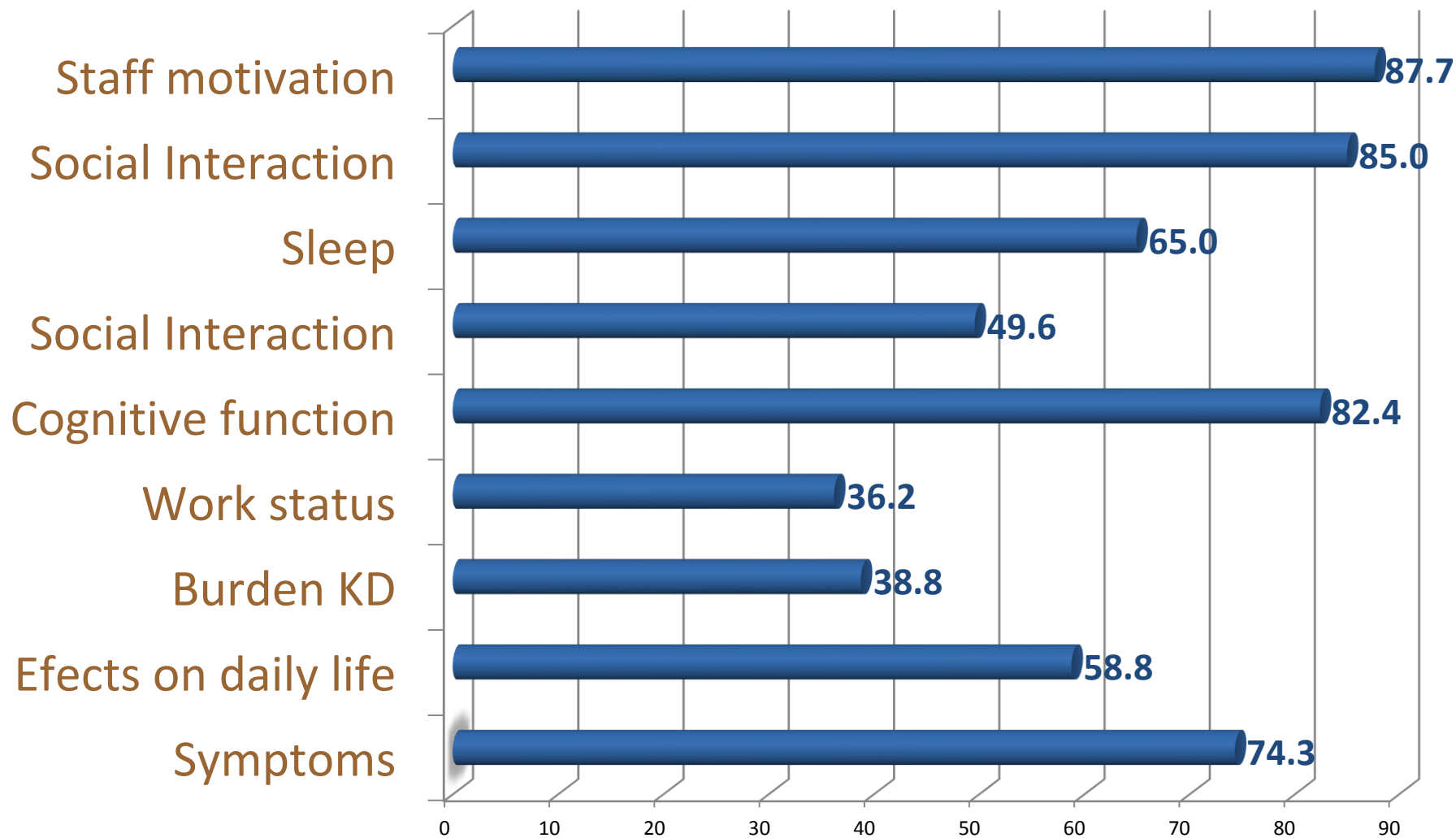
# SF-36 mean scores



# SF-36 mean scores



# KDQOL mean scores



# Factors related to HRQOL

Factor	PCS		MCS		Health Transition	
	F	p	F	p	F	p
Age	8.198	<b>.000</b>	1.363	.262	1.529	.215
Marital Status	2.575	<b>.046</b>	3.889	<b>.007</b>	.269	.897
Years of education	4.620	<b>.001</b>	1.149	.345	1.500	.203
Insurance	.826	.484	.158	.924	2.840	<b>.045</b>
Comorbidity	4.946	<b>.002</b>	.888	.477	3.836	<b>.007</b>
Antihypertensive med.	.643	.425	6.439	<b>.014</b>	.936	.337
Number of hospitalizations	.988	.432	3.480	<b>.008</b>	2.864	<b>.022</b>

# Conclusion

- In this population, there is a high impact of disease and treatment on HR-QOL of persons with ESRD treated with hemodialysis. It is imperative to structure evidence-based and holistic-oriented health care strategies based in order to address best health outcomes.

SOMOS



THANKS