

Mid-term Survival and Health-related Quality of Life of Elderly Patients Undergoing Open Heart Surgery

**U Izhar, A Dabah, E Hominer, A Venig, A Korach,
E Rudis, A Elami, E Milgalter, OM Shapira**

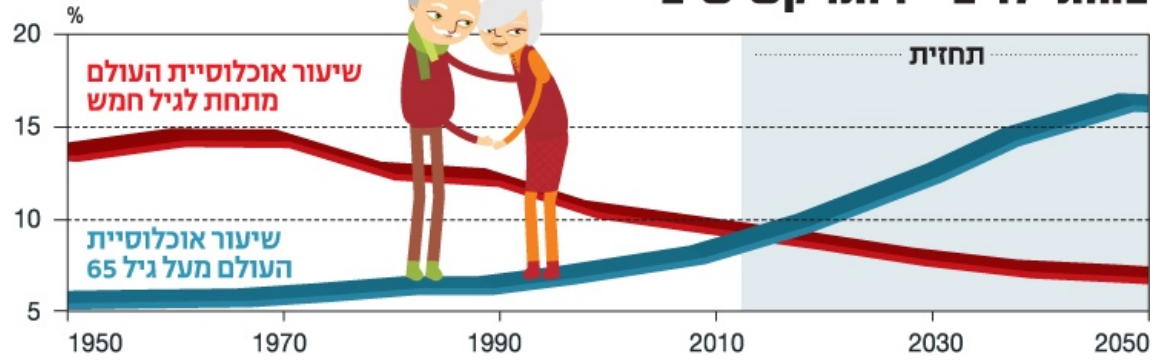
**The Department of Cardiothoracic Surgery
Hadassah- The Hebrew University Medical Center**



Conflict of Interest

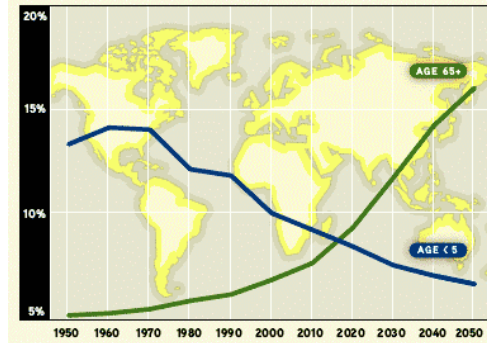
We declare the absence of any potential conflict

פחות ילדים - ויותר קשישים

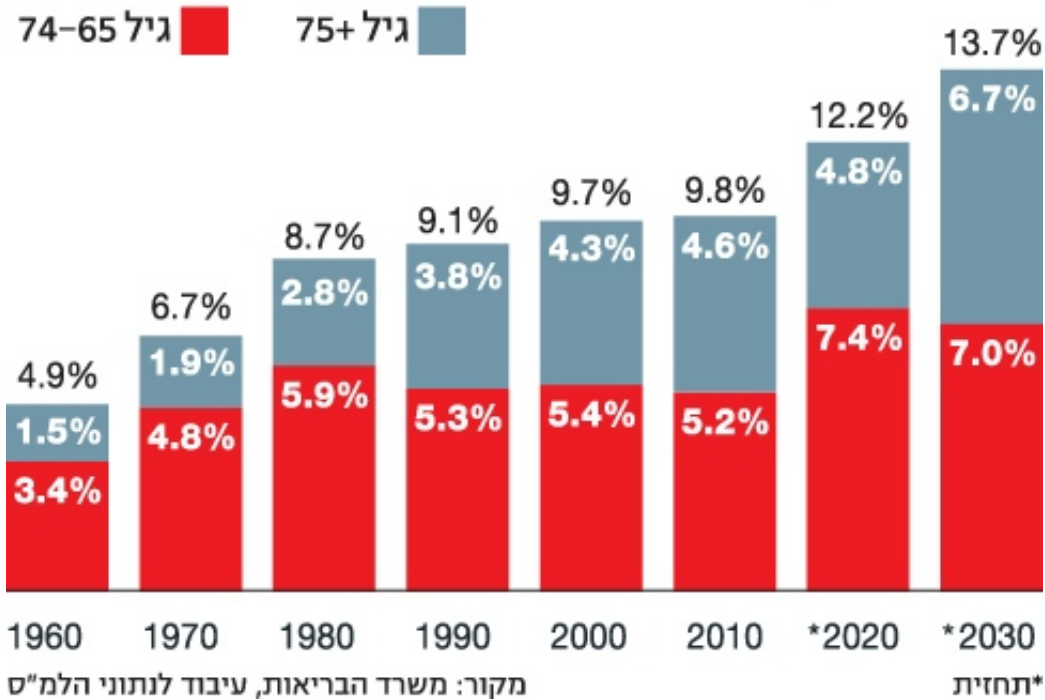


מקור: האו"ם, 2007

YOUNG CHILDREN AND OLDER PEOPLE AS A PERCENTAGE OF GLOBAL POPULATION



שיעור הקשישים בישראל



Objectives:

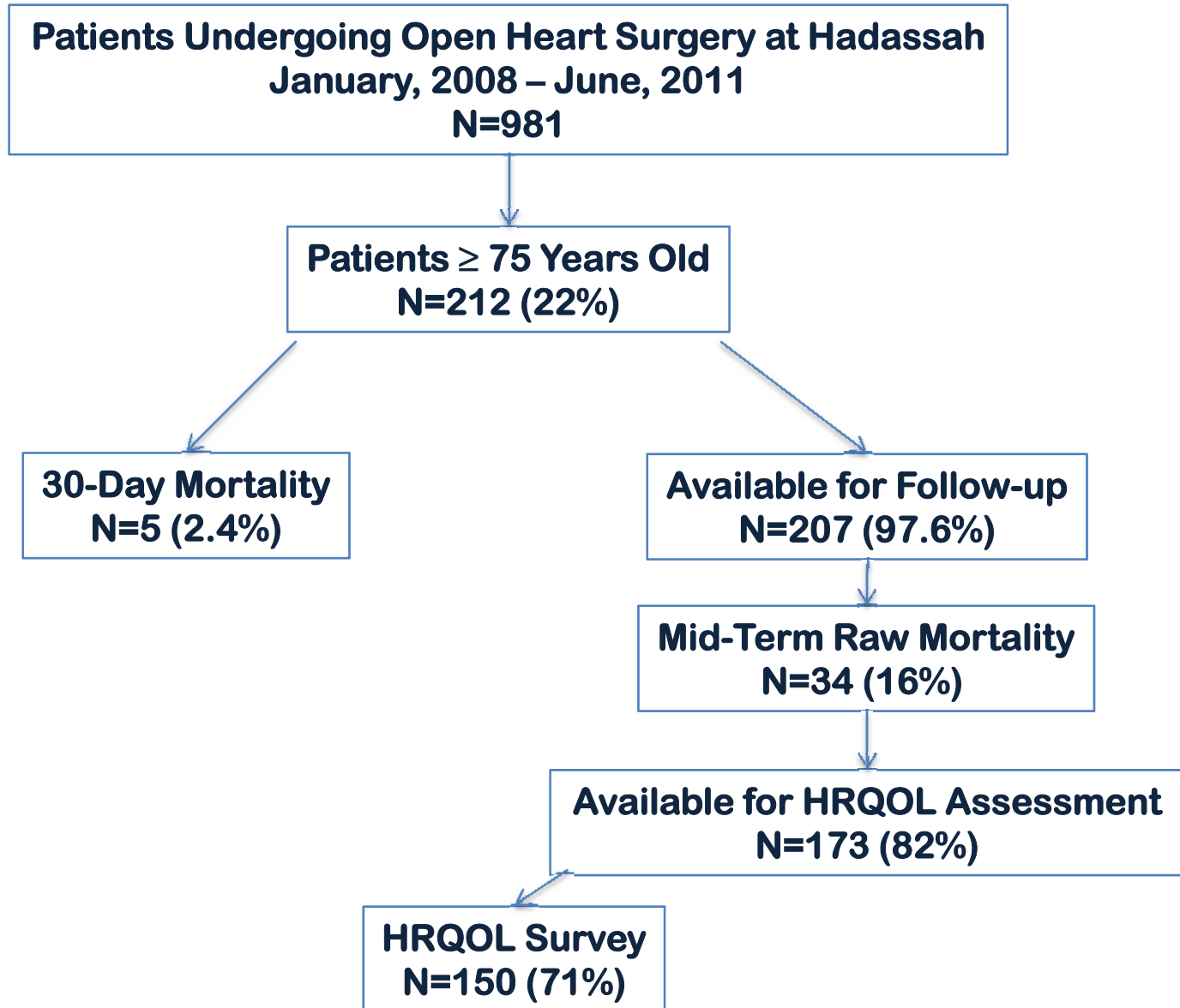
- **Asses short and mid-term outcome of cardiac operations in the elderly**
- **Asses health-related quality of life**



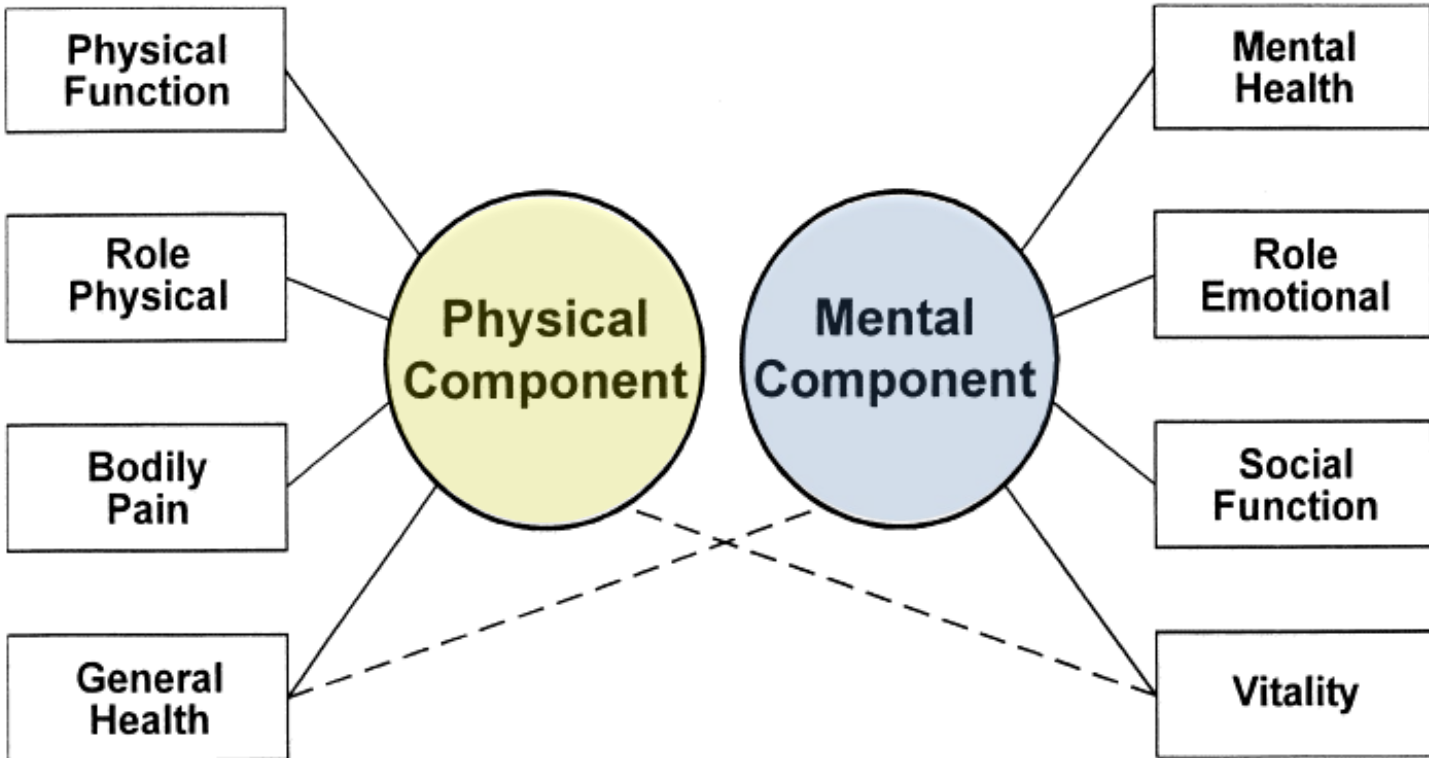
Methods:

- Retrospective analysis of prospectively collected data
- 1/2008 – 6/2011
- 212 consecutive patients (≥ 75) undergoing open-heart surgery at Hadassah Medical Center
- Follow-up 25 ± 10 months (6-43)
- Clinical data – departmental STS Database
- Health-related quality of life:
 - 36-items Short Form Health Survey
 - ADL (activities of daily living)
 - IADL (instrumental activities of daily living)

Study Cohort

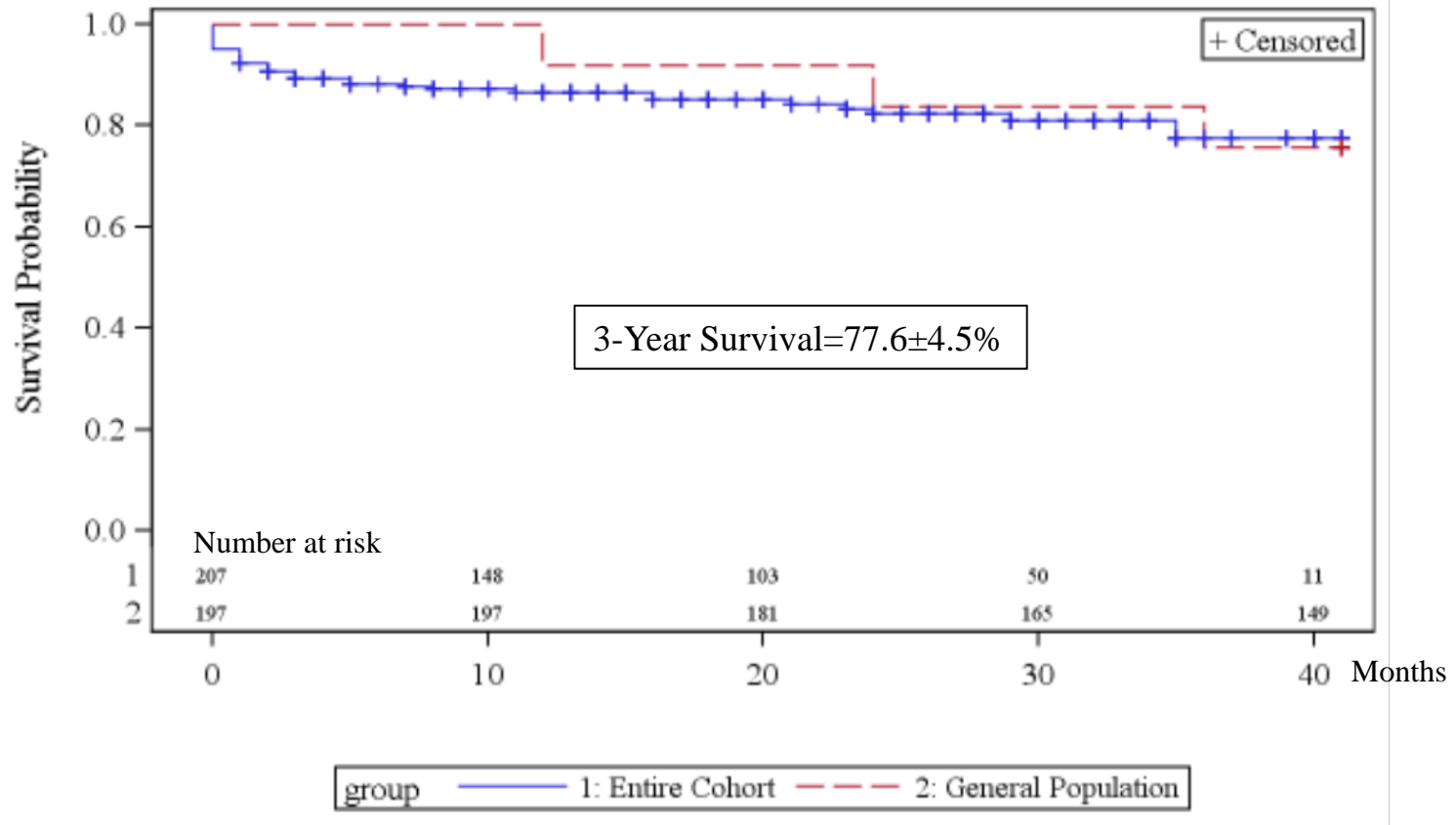


SF-36



	N=207
Age (years, range)	79±3 (75-92)
Gender (M/F)	115/92
Operation:	
CABG	75(36%)
AVR±CABG	73(35%)
MVR±CABG	13(6%)
Other	46(22%)

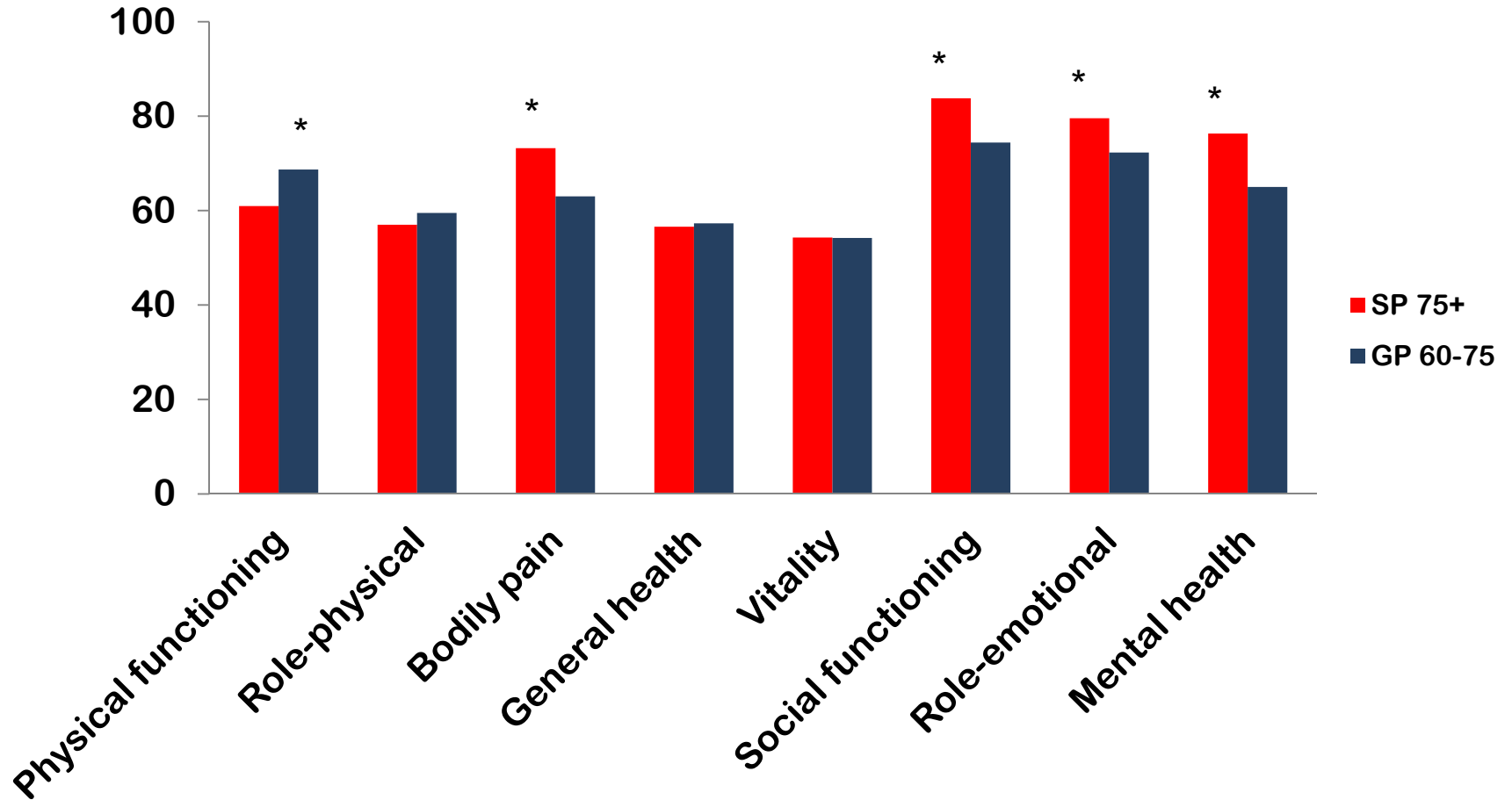
Mid-term Survival



Independent Predictors for Decrease Survival (Cox-regression)

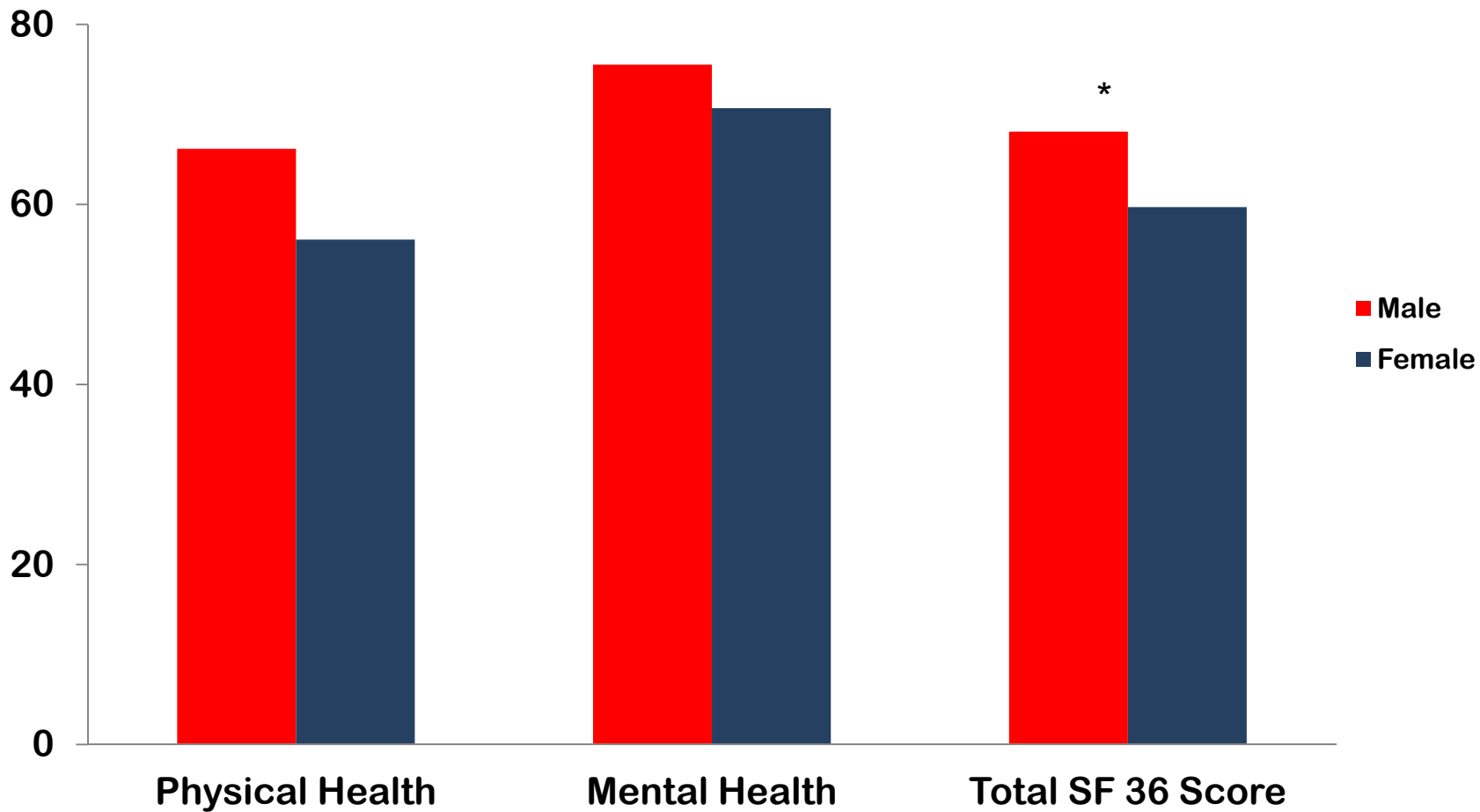
	HR	CI
Age (>79)	12.3	1.4-12.3
Redo	4.89	1.5-15.4
PVD	5.02	1.4-17.7
Postop RF	7.6	2.2-22

SF 36 Health Survey



* p<0.05

SF 36 Health Survey - Gender

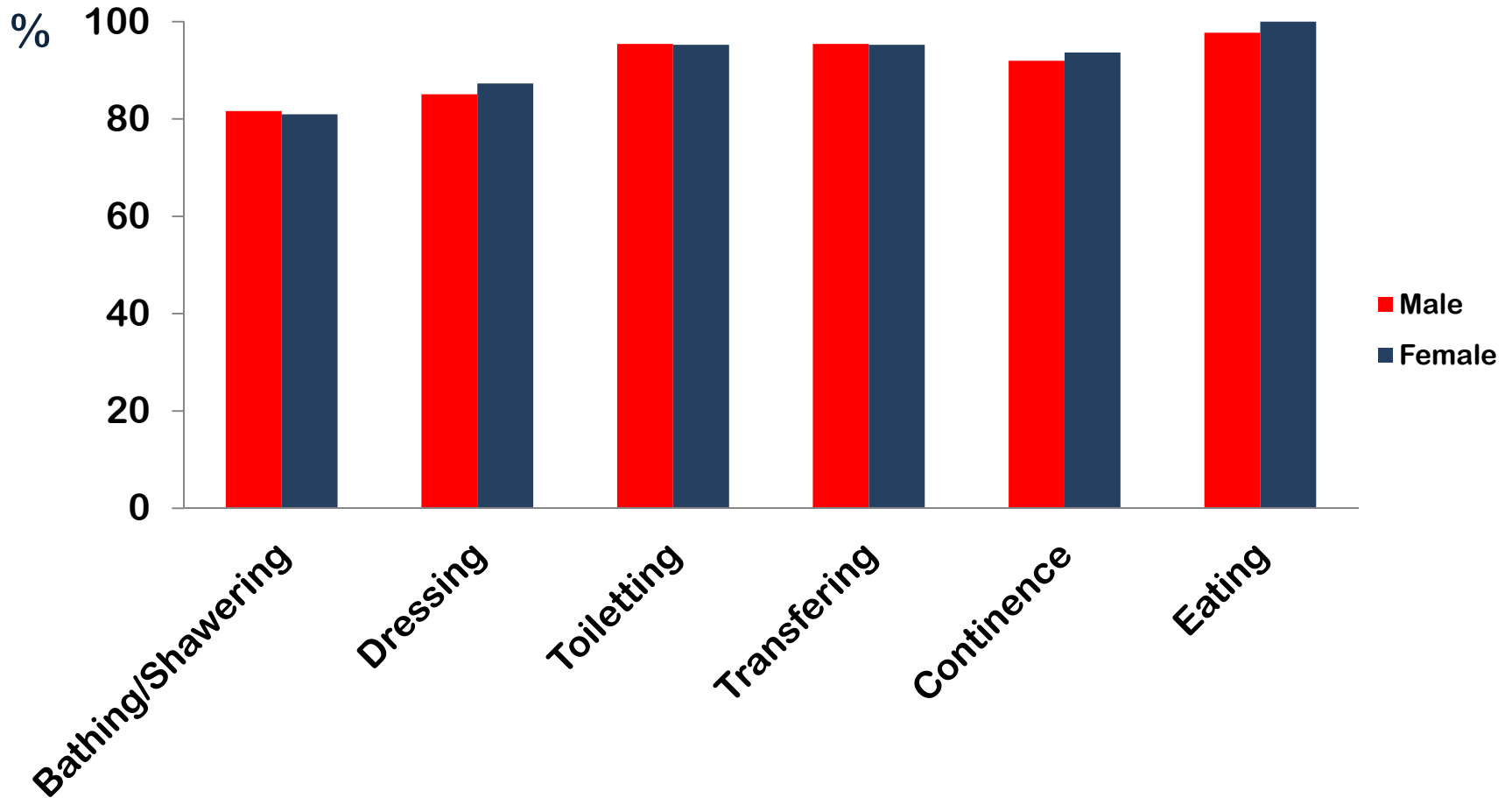


* p<0.05

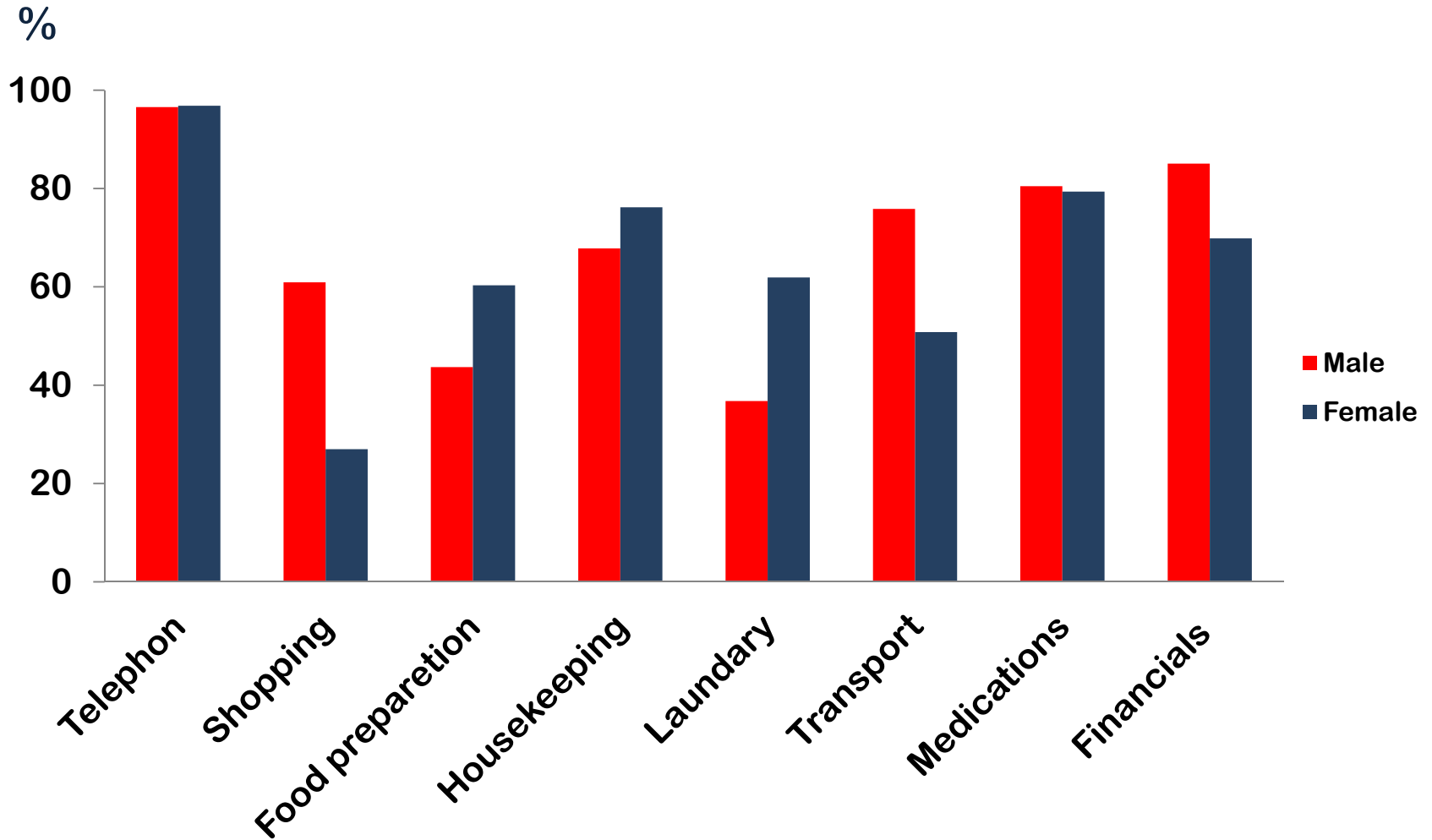


**Hypertension is a significant predictor for decrease
health related quality of life
(physical / mental)**

ADL – post open heart surgery



IADL – post open heart surgery



Conclusions:

- **Mid-term survival is not different from general population**
- **Predictors of survival – age, redo, PVD, RF**
- **Patients are highly independent**
- **Decrease in physical scores increase in mental scores**

- **Survival and health-related quality of life after open heart surgery in the elderly are very good**
- **Age should not be a contraindication to surgery**