

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

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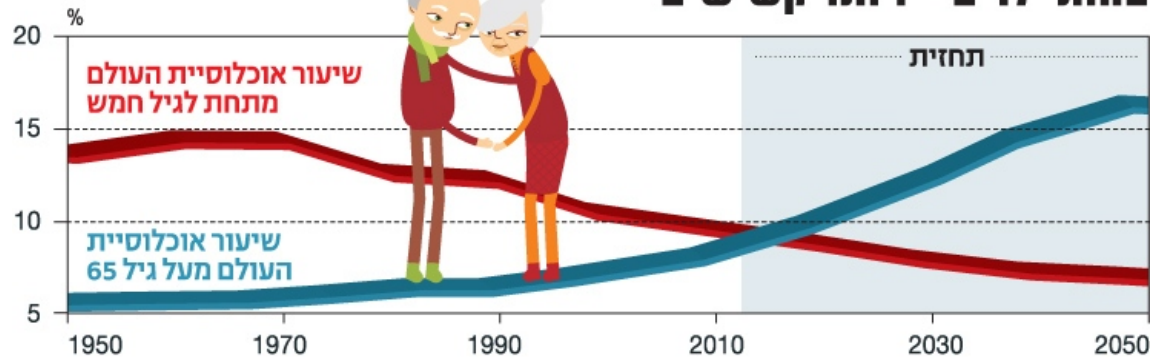
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# **Conflict of Interest**

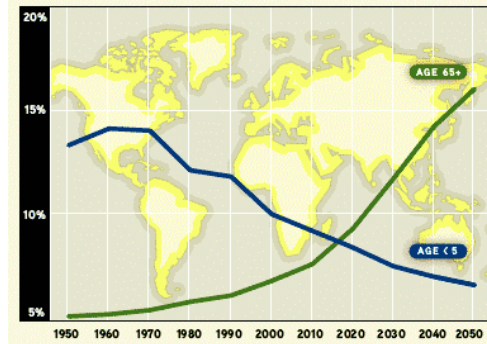
**We declare the absence of any potential conflict**

## פחות ילדים - ויותר קשישים

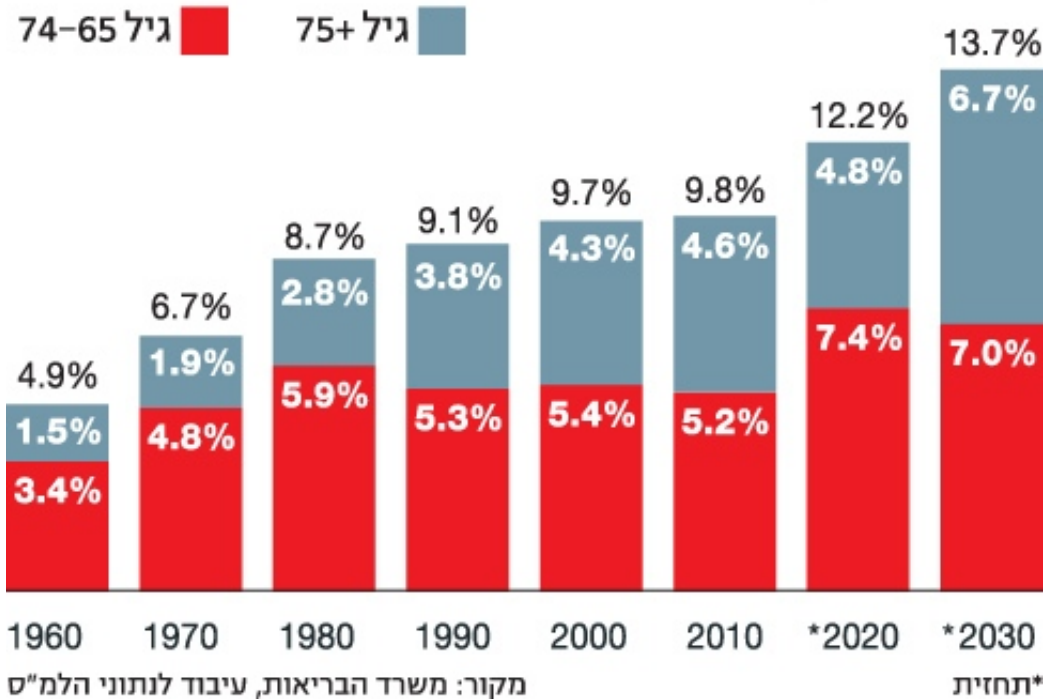


מקור: האו"ם, 2007

YOUNG CHILDREN AND OLDER PEOPLE AS A PERCENTAGE OF GLOBAL POPULATION



# שיעור הקשישים בישראל



## **Objectives:**

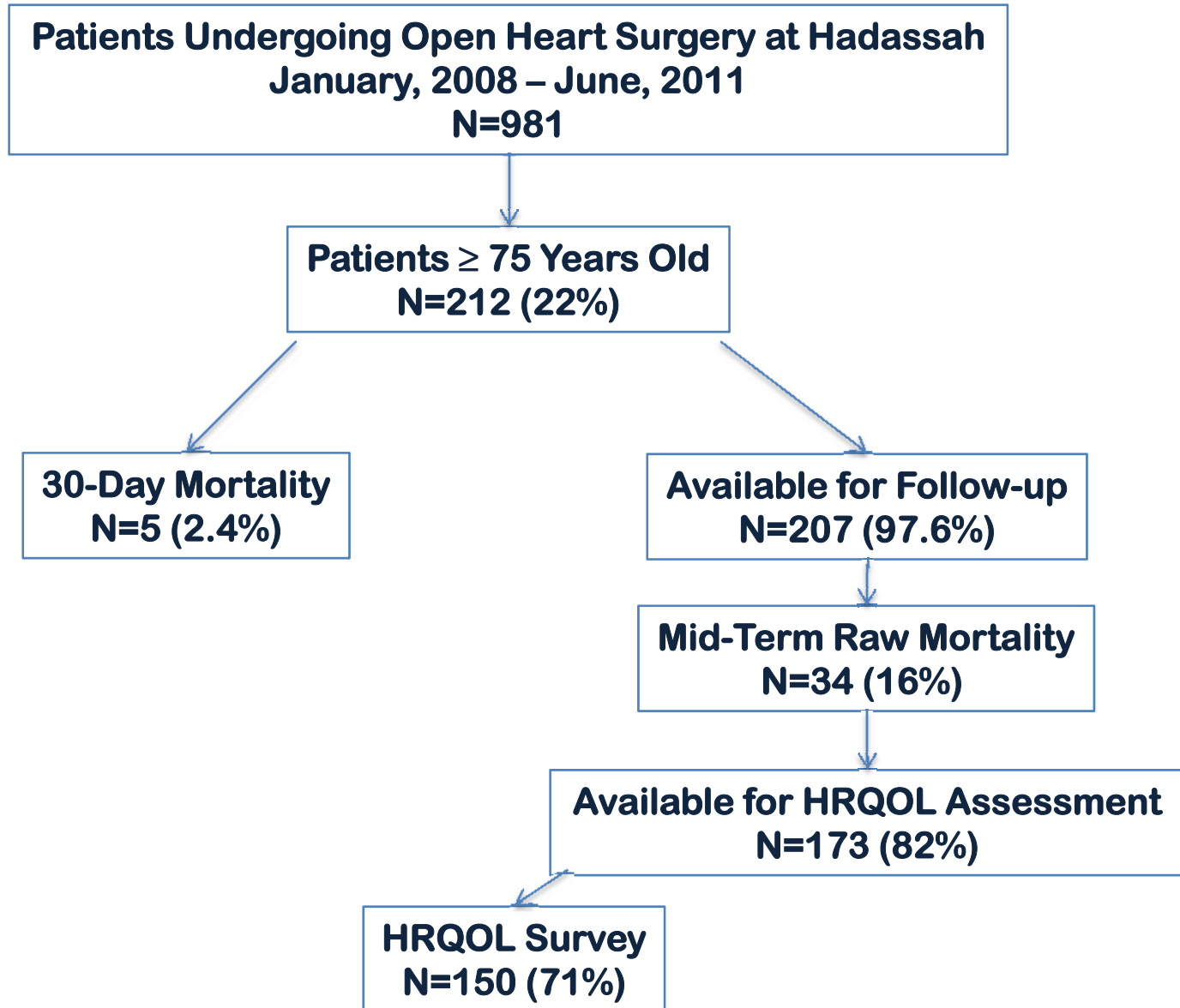
- **Asses short and mid-term outcome of cardiac operations in the elderly**
- **Asses health-related quality of life**



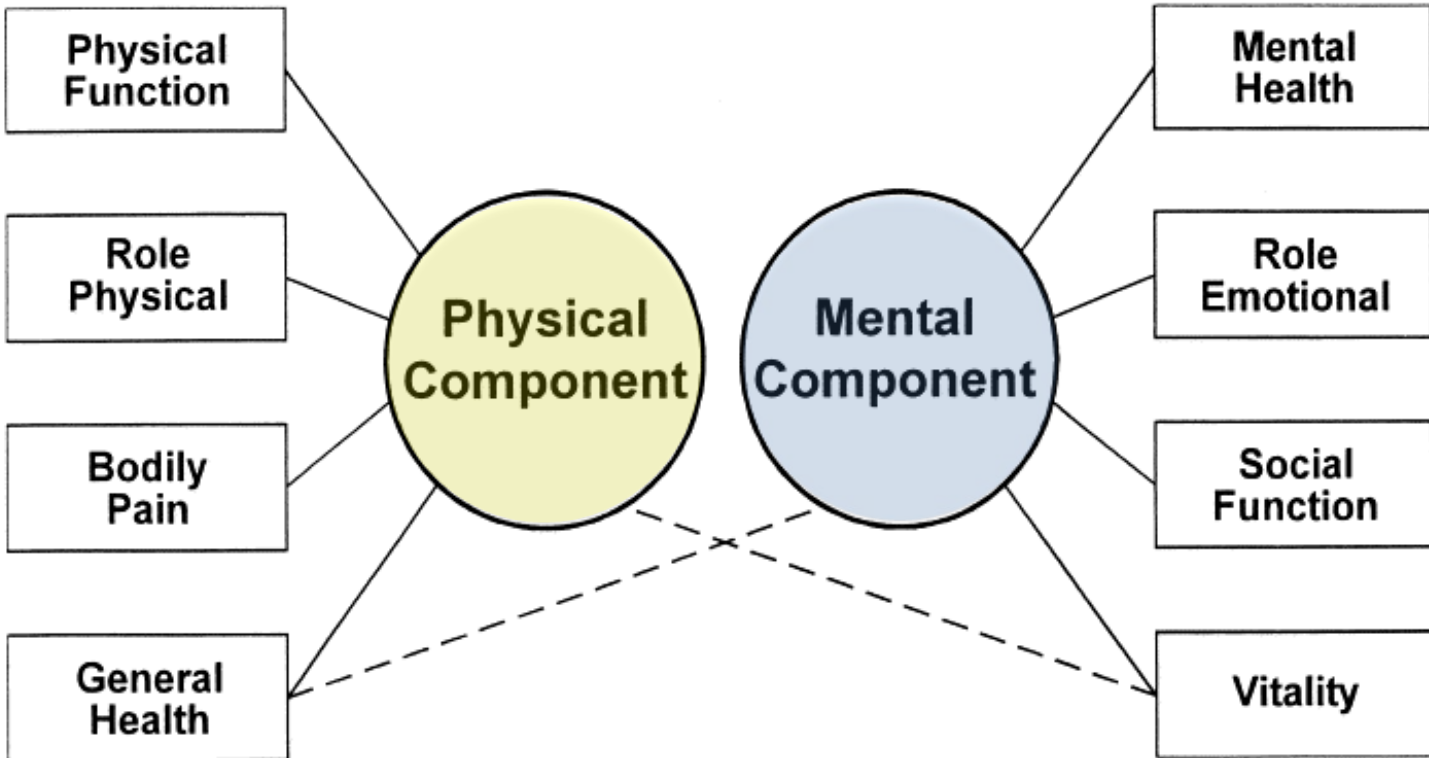
# Methods:

- Retrospective analysis of prospectively collected data
- 1/2008 – 6/2011
- 212 consecutive patients ( $\geq 75$ ) undergoing open-heart surgery at Hadassah Medical Center
- Follow-up  $25 \pm 10$  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



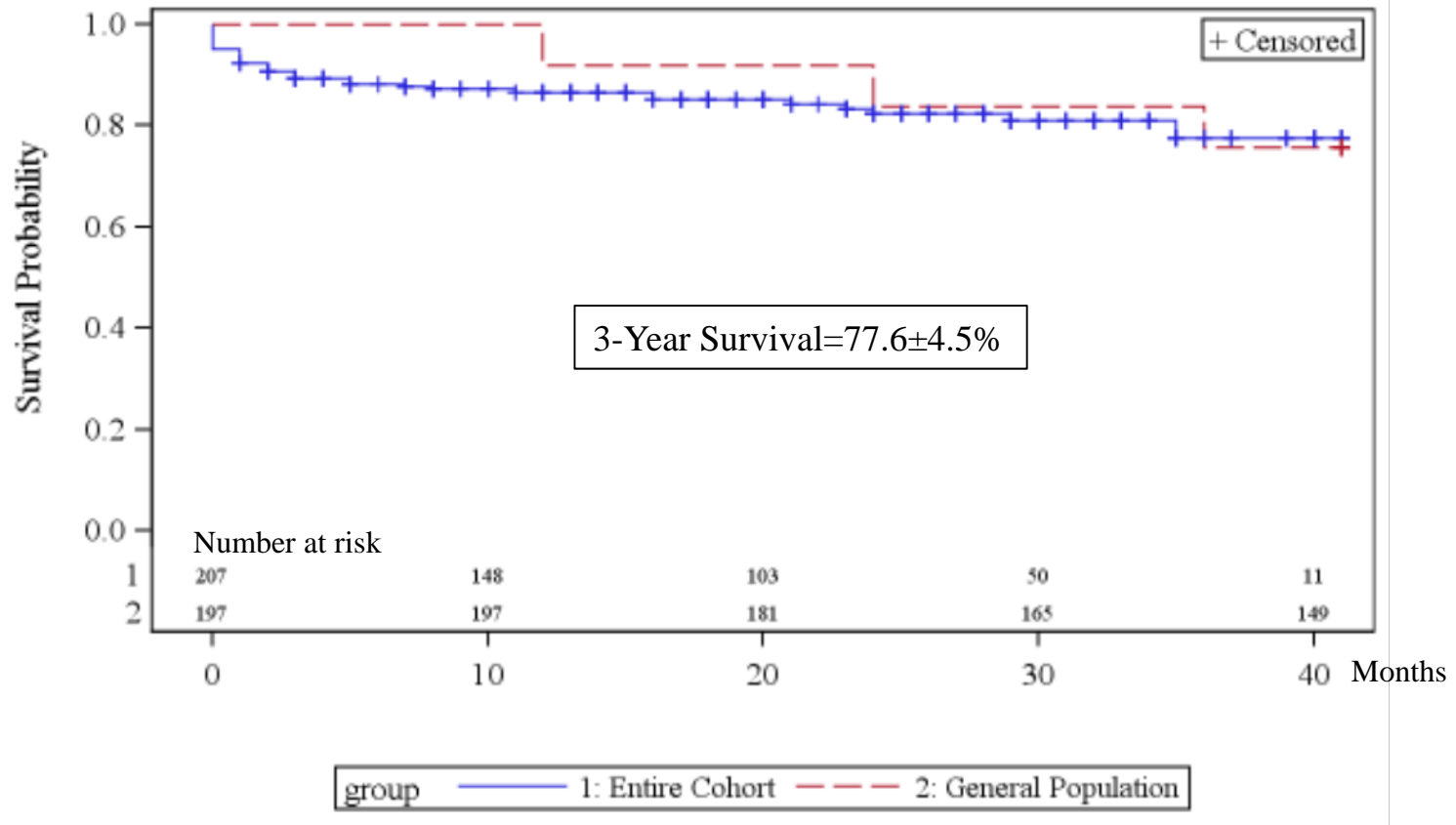
# SF-36





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

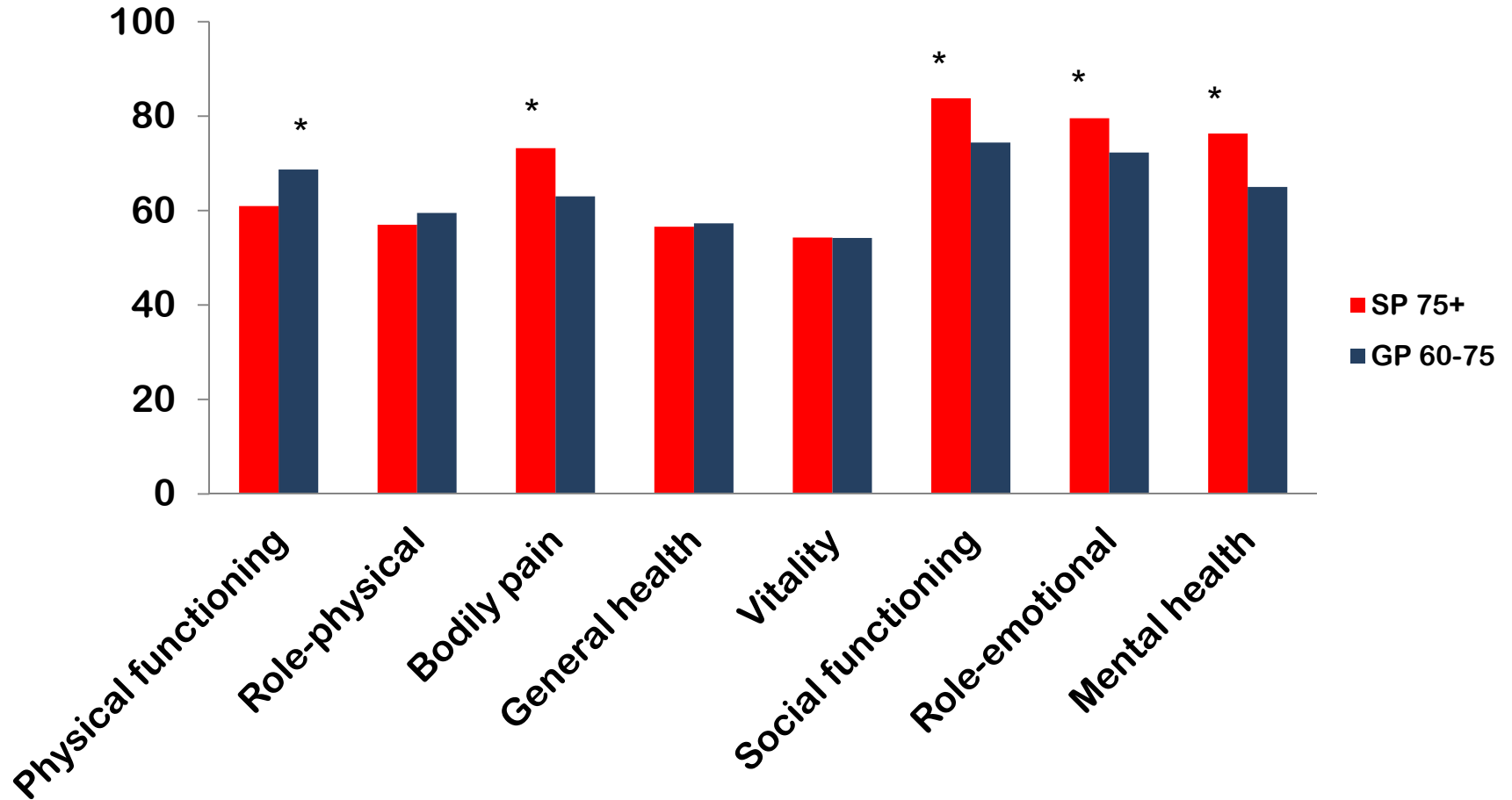
# Mid-term Survival



## Independent Predictors for Decrease Survival (Cox-regression)

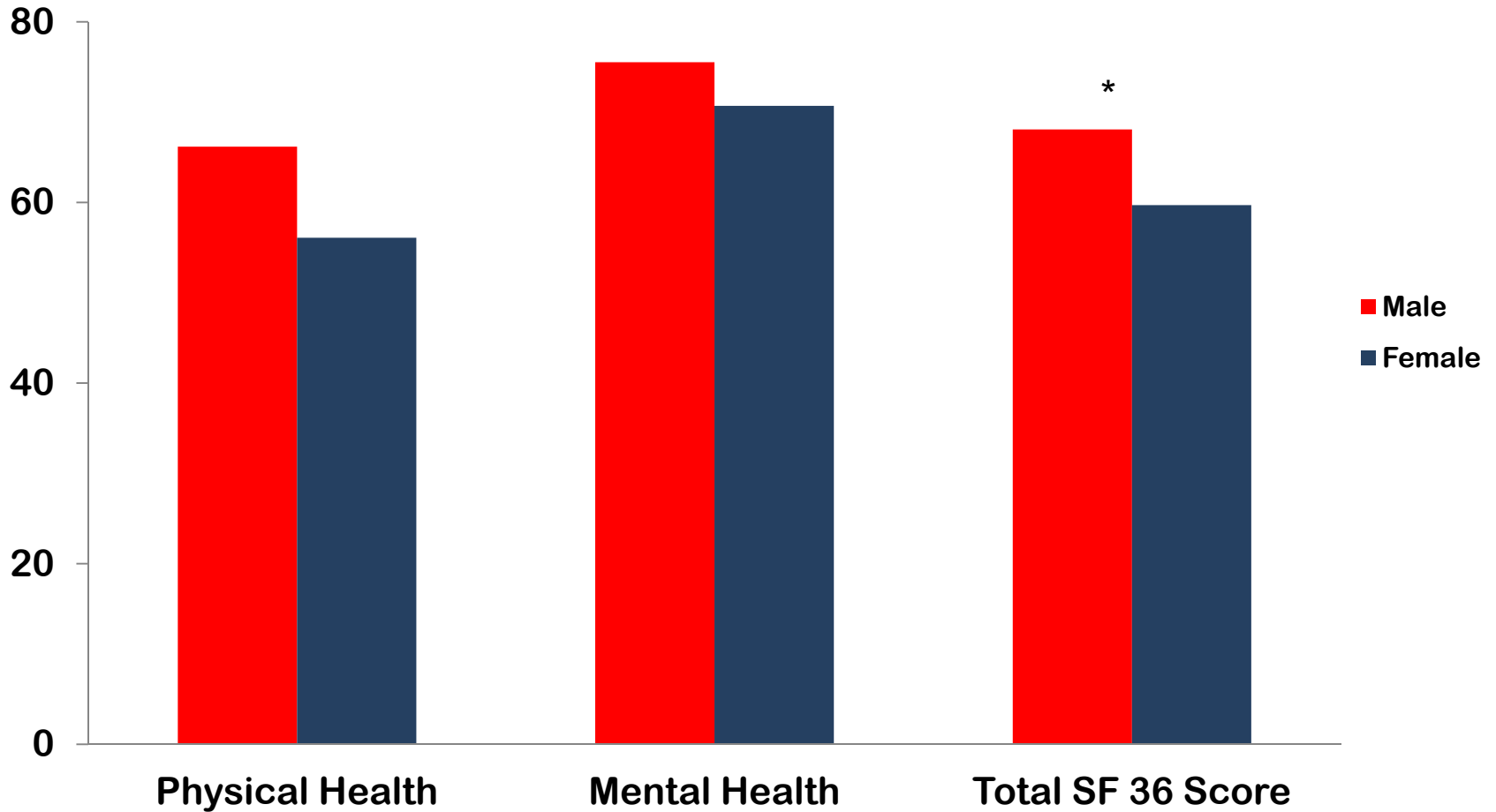
	<b>HR</b>	<b>CI</b>
<b>Age (&gt;79)</b>	<b>12.3</b>	<b>1.4-12.3</b>
<b>Redo</b>	<b>4.89</b>	<b>1.5-15.4</b>
<b>PVD</b>	<b>5.02</b>	<b>1.4-17.7</b>
<b>Postop RF</b>	<b>7.6</b>	<b>2.2-22</b>

# SF 36 Health Survey



\* p<0.05

# SF 36 Health Survey - Gender

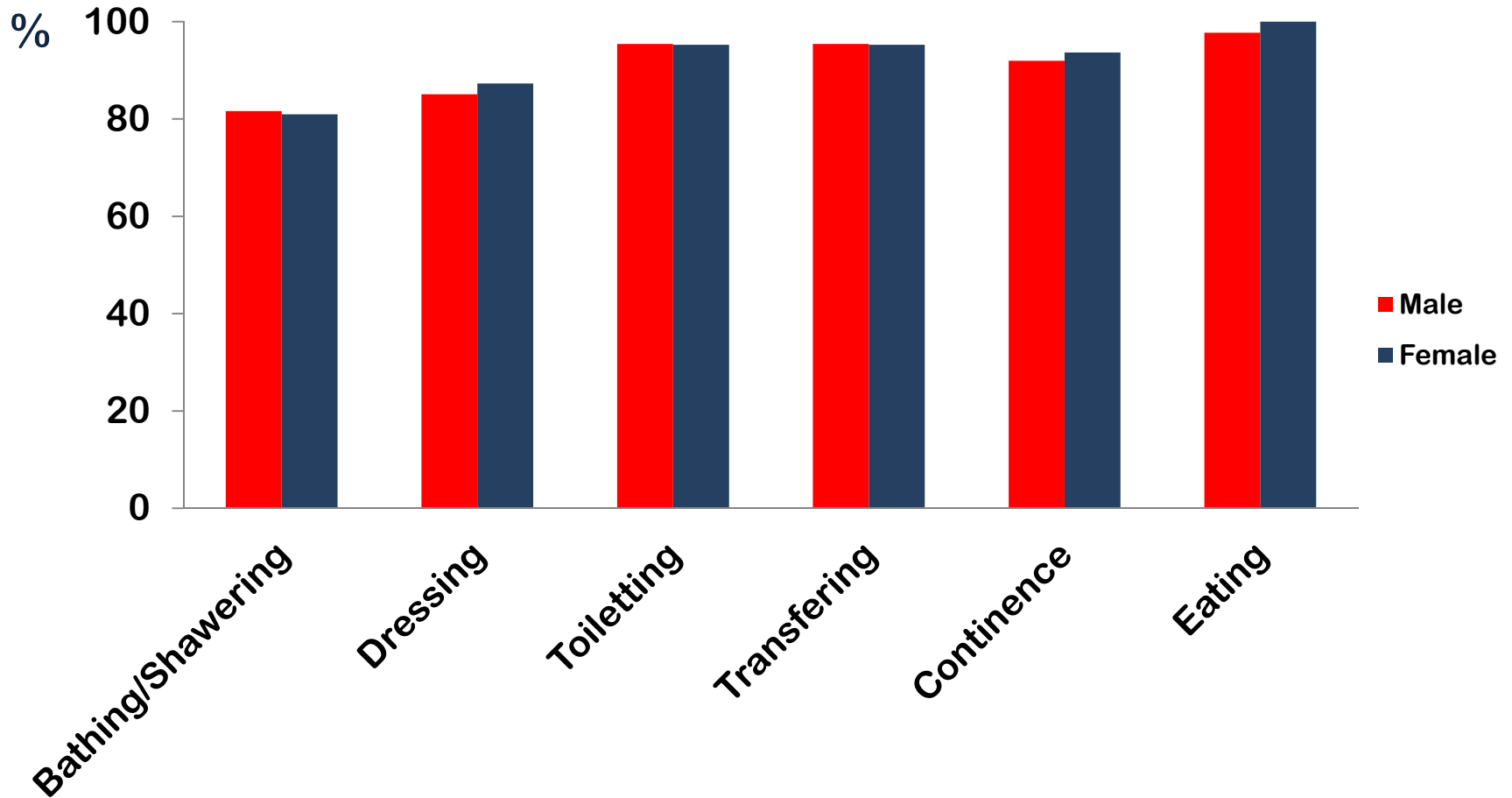


\* p<0.05

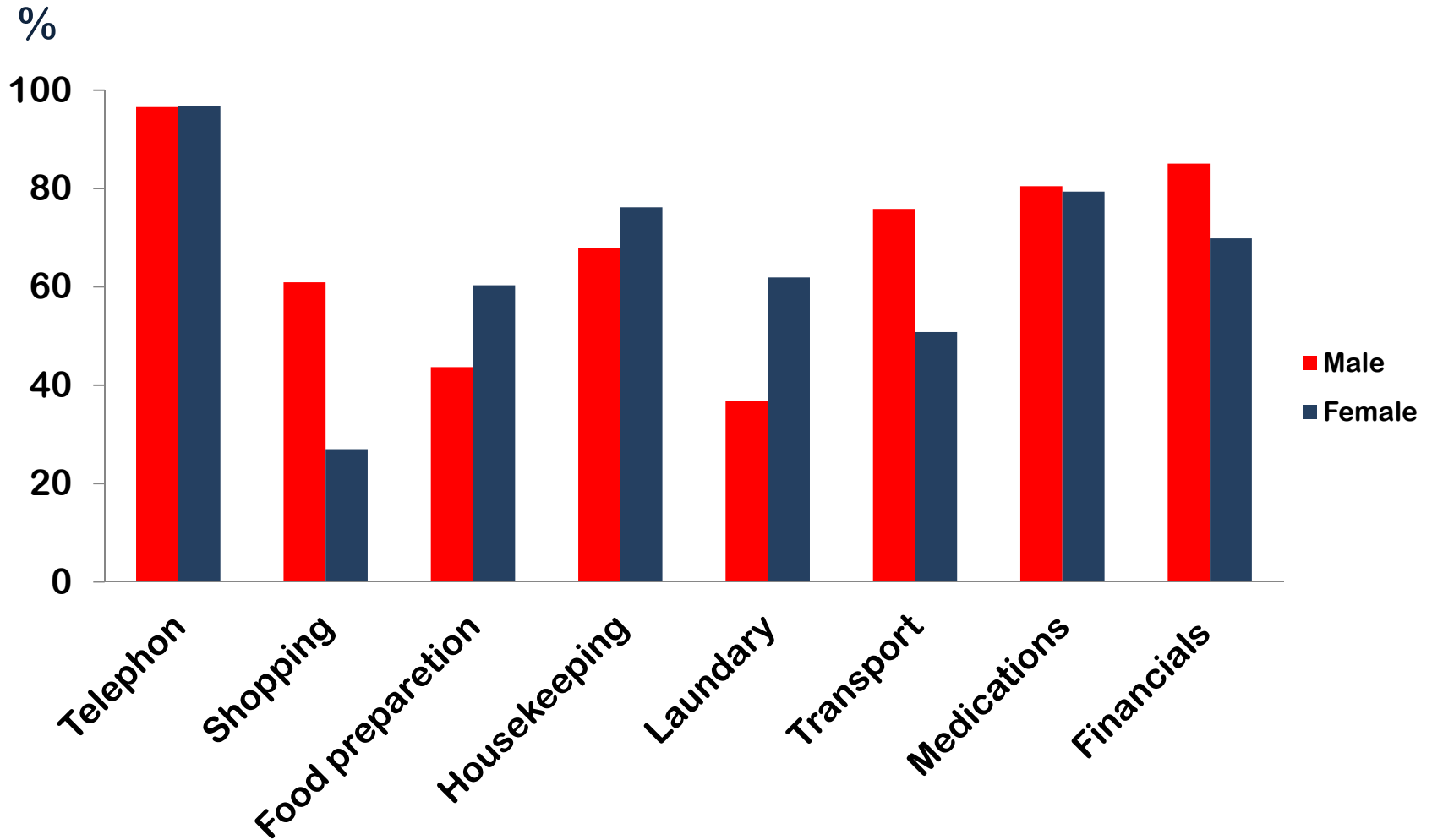


**Hypertension is a significant predictor for decrease  
health related quality of life  
(physical / mental)**

# 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**