

# **Health among elderly Puerto Ricans: comparative analysis of a new data set**

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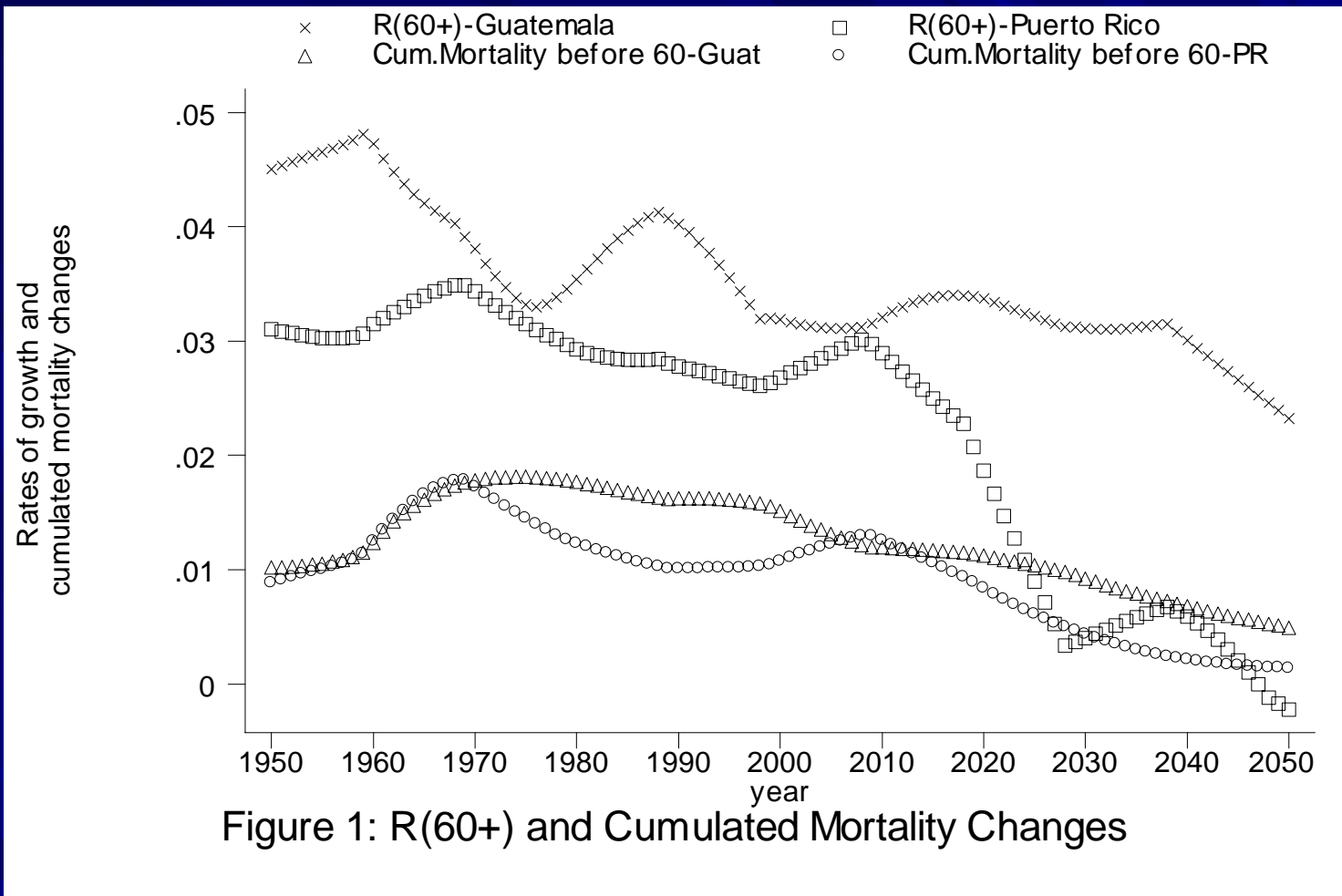
Tuesday, July 19, 2005

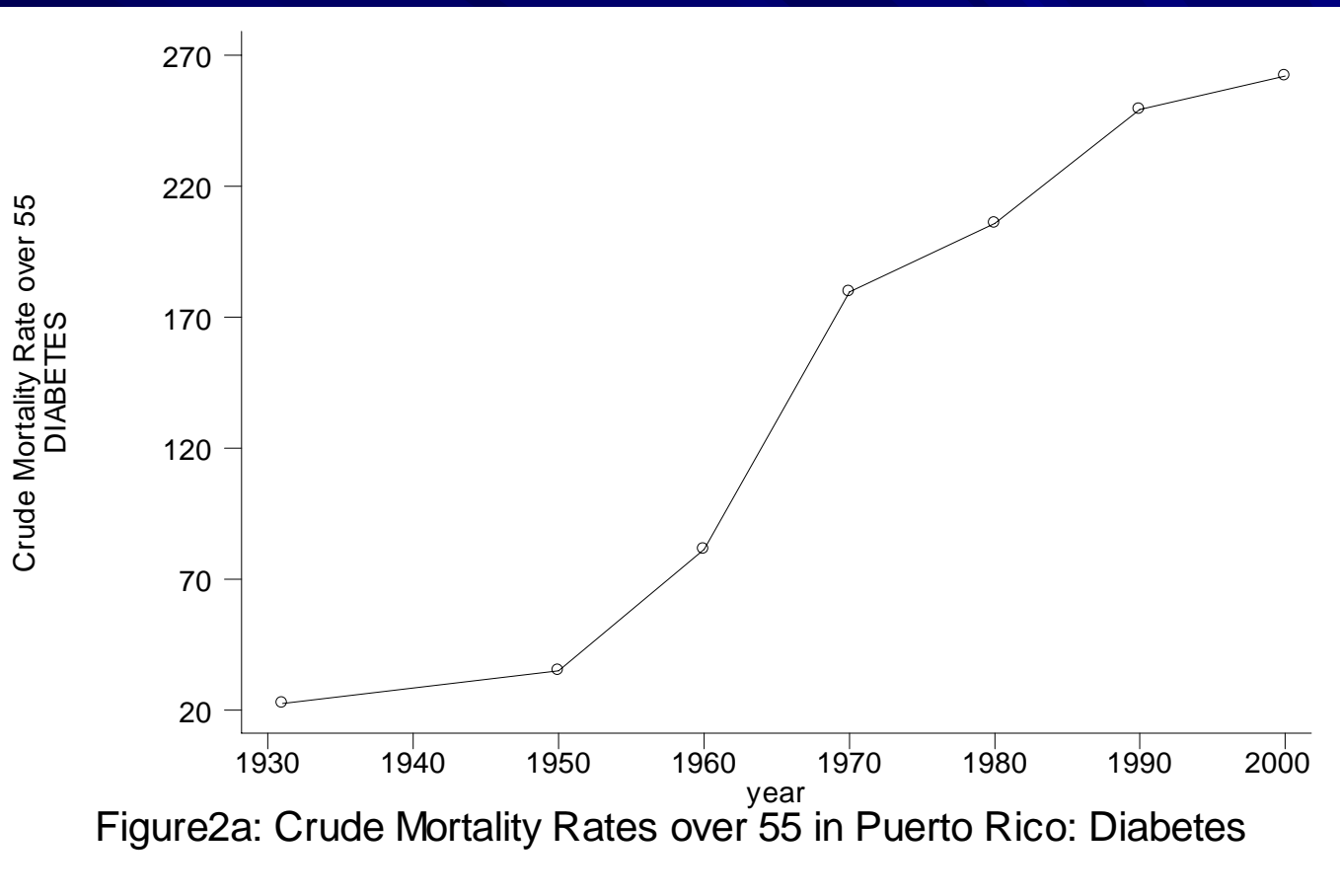
# Background & Scope

- We do many things in the paper, including casting aging in PR against aging in LAC
- But there are two key issues:
  - pose a conjecture
  - search for evidence for a necessary condition

# LAC: Not all aging is equal

- Speed
- Past population dynamic
- Tug of the demographic past
- “Stickiness” of early health status
- New disease environment





# Conjecture

- Health status among elderly after 2000 will be peculiar:
  - Mortality
  - Self –reported health status
  - ADL/IADL
  - Chronic Conditions:
    - Obesity
    - Diabetes
    - CVD
- Inequalities in health

# DATA SOURCES

- PREHCO I (Targets = 4,293 + spouses)
- SABE (n=10,902)
- HRS (n=12,527)

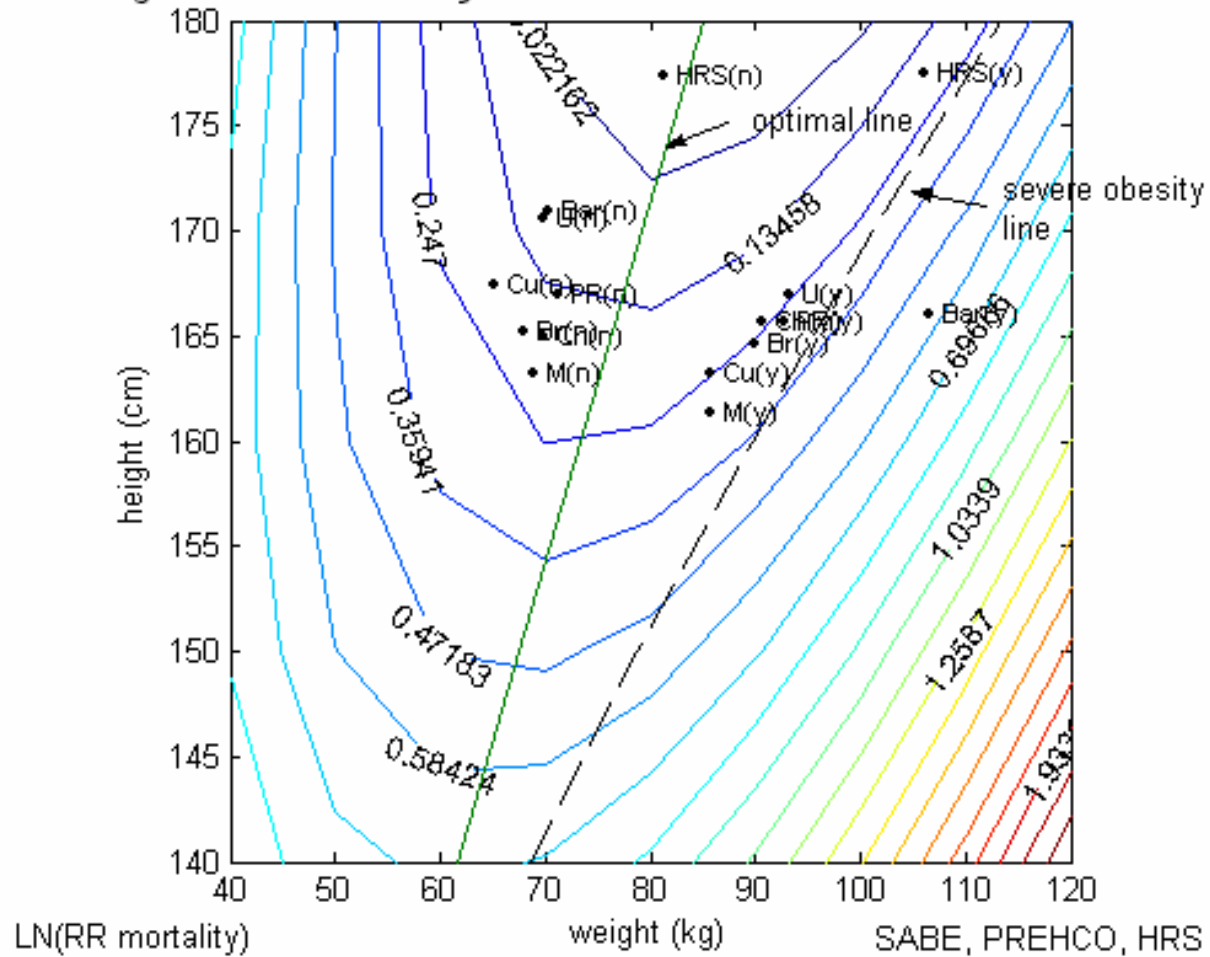
# Methods

- Waaler type surfaces
- Socioeconomic gradients
- Logit models

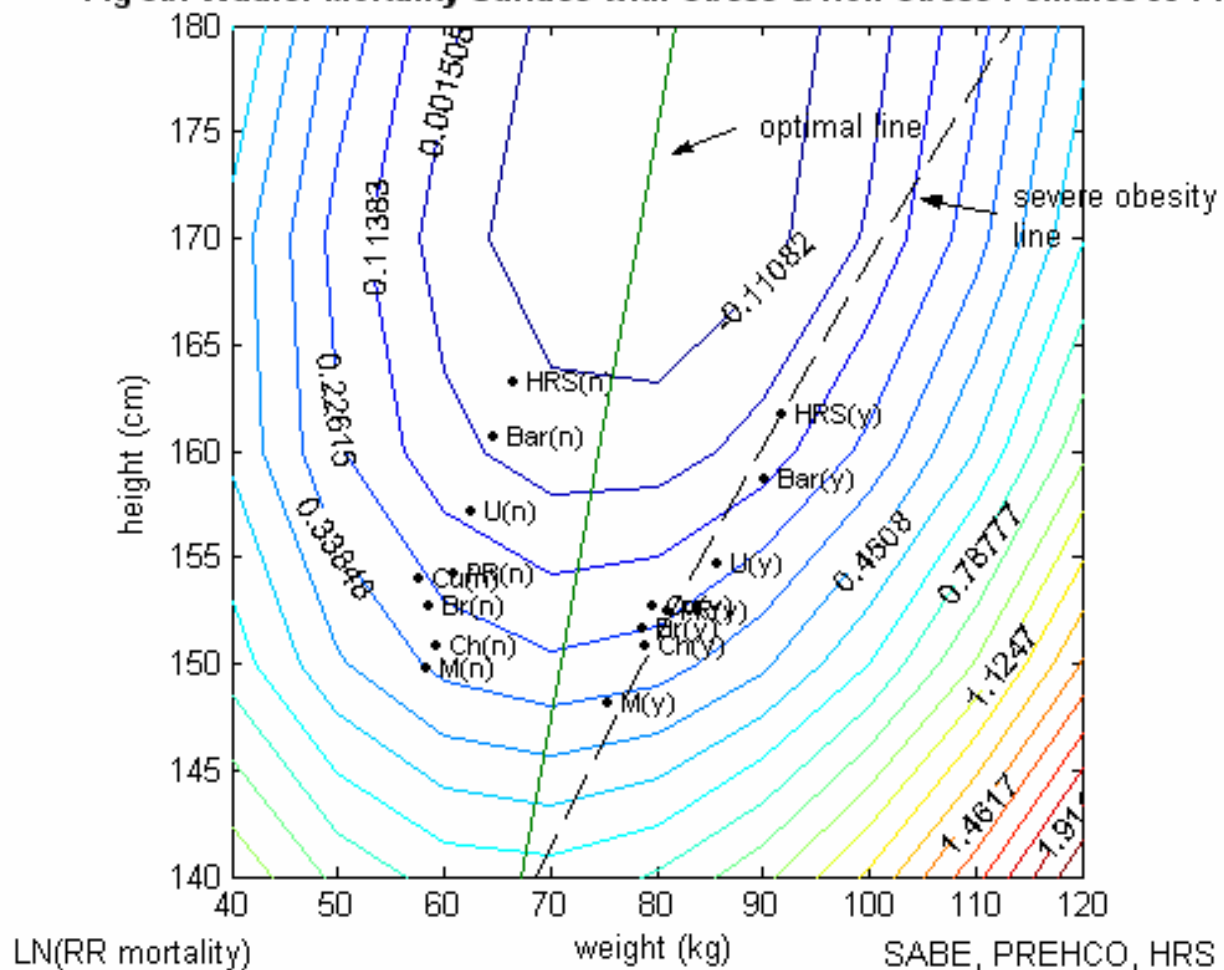
# Results

- Waaler mortality surfaces

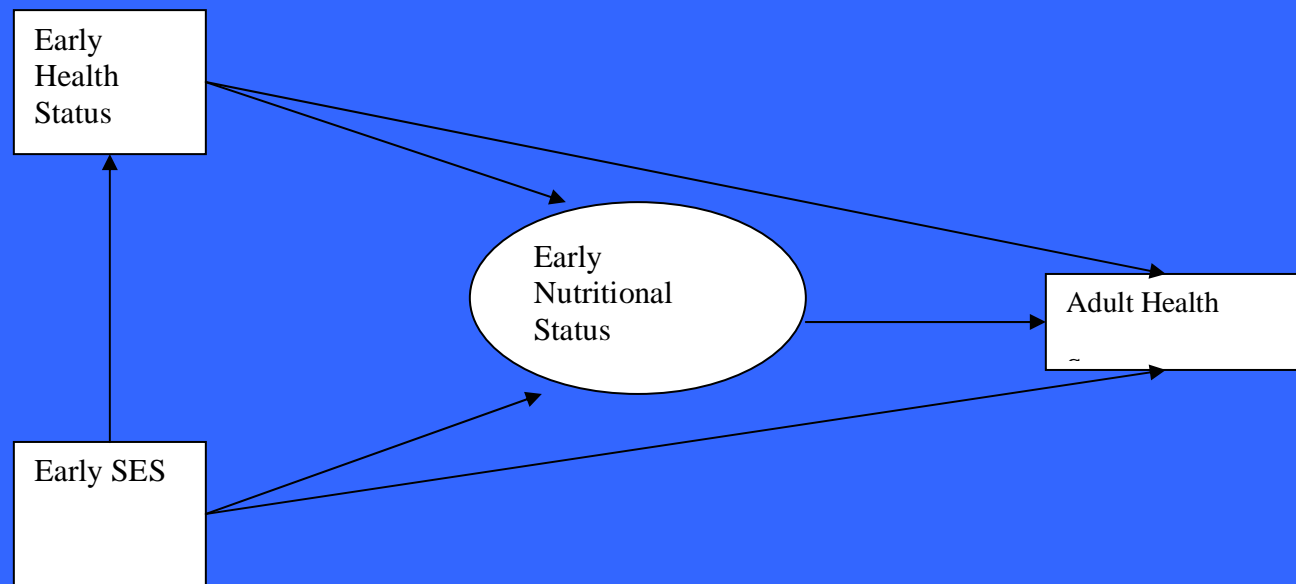
Fig 3a: Waaler Mortality Surface with Obese & Non-Obese Males 60-74



**Fig 3b: Waaler Mortality Surface with Obese & Non-Obese Females 60-74**



**Figure 7: Model of relationship between early childhood conditions and adult health outcomes**

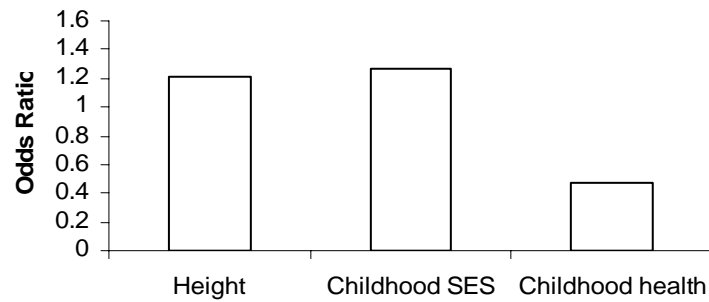


# Results

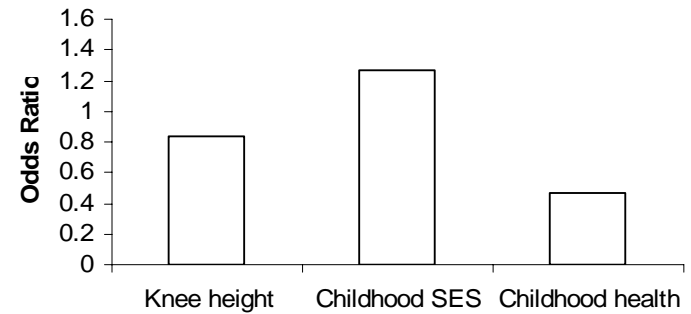
- Obesity, diabetes and heart disease
  - Knee height
  - Height
  - Waist hip ratio
  - Retrospective histories
    - Childhood SES
    - Childhood health

# Obesity

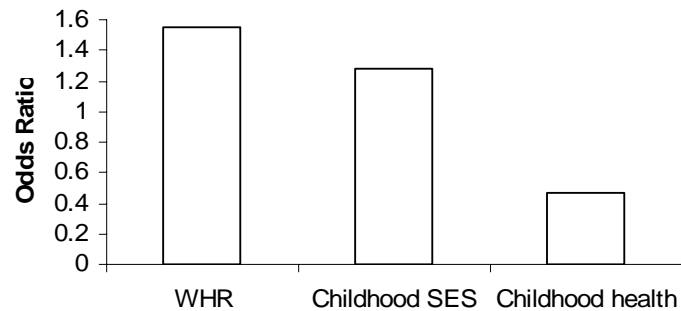
**Estimated effects of height, childhood SES & health on obesity**



**Estimated effects of knee height, childhood SES & health on obesity**

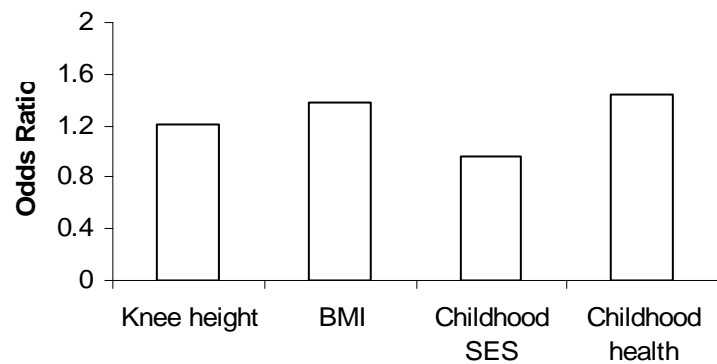


**Estimated effects of WHR, childhood SES & health on obesity**

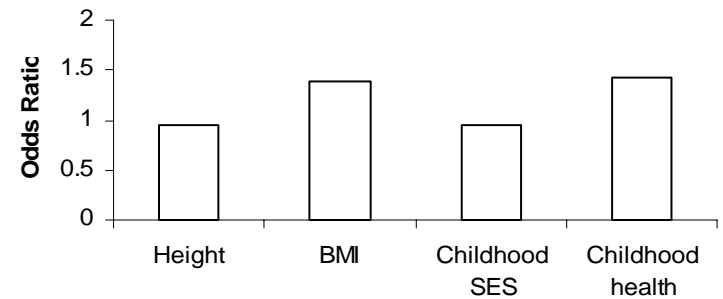


# Diabetes

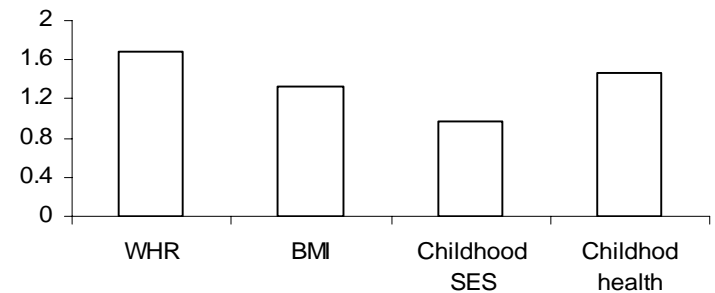
**Estimated effects of knee height, BMI, childhood SES & health on diabetes**



**Estimated effects of height, BMI, childhood SES & health on diabetes**

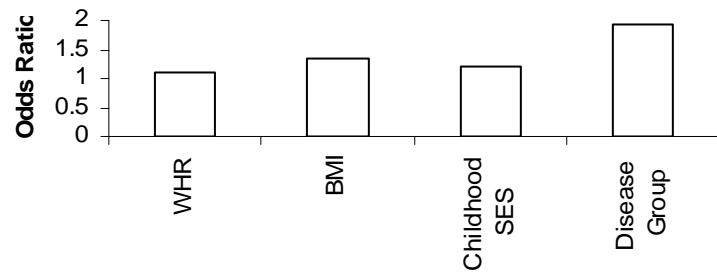


**Estimated effects of WHR, BMI, childhood SES & health on diabetes**

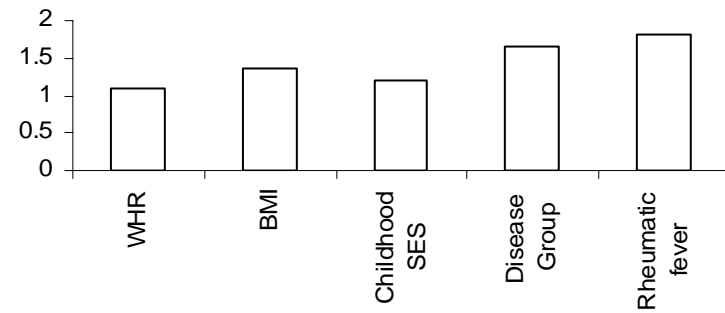


# Heart Disease

Estimated effects of WHR, BMI, childhood SES & health, disease group on heart disease



Effects effects (including rheumatic fever) on heart disease



# Conclusions

- Waaler type surfaces showed the **potential** negative impact of shorter height on mortality risk for obese individuals
- Socioeconomic gradients showed important differences in income and education and health outcomes
- Fragile evidence for associations between early childhood conditions & adult health status (except for RHF and CVD)