

# Vellore Birth Cohort

<https://neurodegenerationresearch.eu/de/cohort/vellore-birth-cohort/>

## Cohort Acronym

### Cohort type

General population-based cohort

### Disease

### Participant type

No diagnosis

### Profile

Recruitment Period 1969-1973

Sample size at start or planned sample size if still recruiting 2,218

Estimated Current Sample Size 0 to 4,999

Age at Recruitment 26 -32

Gender Male and Female

Abstract

The original study (1969-73) had five main objectives: (i) to study the relationship of birth weight (BW) and gestational age (GA) to infant mortality and the incidence of congenital defects; (ii) to study maternal blood pressure before and during pregnancy and the incidence of toxemia; (iii) to assess the effects of parental consanguinity on reproductive outcomes; (iv) to examine the impact of family planning programmes on fertility and (v) to estimate rates of foetal loss, and neonatal, infant and early childhood mortality.<sup>1</sup> The subsequent follow-up studies focused on the effects of prenatal factors BW and GA on physical growth and development and mortality during childhood and adolescence.

For the follow-up in young adulthood (1998-2002), the main objective was to study glucose tolerance, insulin resistance and insulin secretion and a range of cardiovascular risk factors (body composition, blood pressure and plasma lipid concentrations) in relation to parental size, neonatal size and childhood growth.

Country India

### Contact details

Institution name Christian Medical College, Vellore

Website <https://academic.oup.com/ije/article/38/3/663/682164/Cohort-Profile-The-1969-73-Vellore-birth-cohort>

Principal Investigator (PI) Dr Antonisamy, Dr Vasan and Professor Fall

Contact email PI email: [antoni@cmcvellore.ac.in](mailto:antoni@cmcvellore.ac.in); [b.antonisamy@gmail.com](mailto:b.antonisamy@gmail.com);

[senthil.vasan@ocdem.ox.ac.uk](mailto:senthil.vasan@ocdem.ox.ac.uk); [chdf@mrc.soton.ac.uk](mailto:chdf@mrc.soton.ac.uk) Contact Email:

[prasanna\\_samuel@hotmail.com](mailto:prasanna_samuel@hotmail.com)

Contact phone number +91 416 2262703 (off.); +91 416 2284205

Funders (Core support) US National Center for Health Statistics

## **Variables Collected**

### **Brain related measures:**

N/A

### **Functional rating:**

N/A

### **Anthropometric:**

Blood pressure, Height, Hip circumference, Waist circumference, Weight

### **Physical:**

Cardiovascular, Hearing and Vision, Musculoskeletal, Reproductive

### **Biological samples:**

Blood

### **Genotyping:**

Gene screening

### **Brain imaging:**

N/A

### **Brain banking:**

N/A

### **Lifestyle:**

Alcohol, Dietary habits, Physical activity, Smoking

### **Socio-economic:**

Education, Family circumstances, Housing and accommodation, Income and finances, Occupation and employment

### **Health service utilisation:**

N/A