

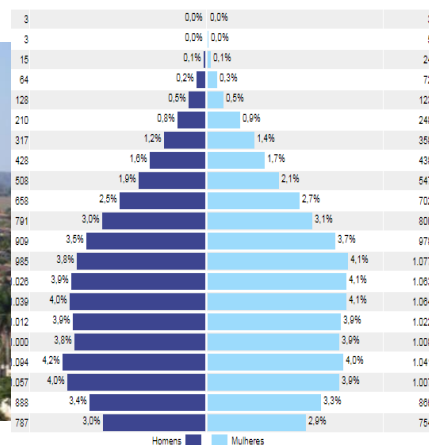


# **GOIACO**

## **Prospective Study in Ageing and Non Communicable Diseases in State of Goias / Brazil**

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## Itapuranga

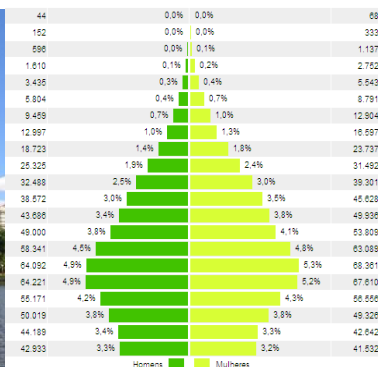


### Rural-The city of Itapuranga.

The production of dairy products and small business in 2006 it has 1,441 farms and reasonable amount of cultivated land for agriculture. 164 KM from Goiania

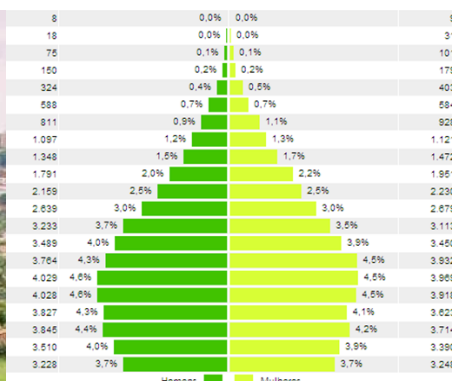
**Proportion of population 35-64 19% for both genders**

## Goiania



**Urban-** The state capital, Goiania it is a relatively new city. It was founded in 1933 and its completing 79<sup>th</sup> in 2012. It has an organized network of universities private and publics' that includes two medical schools with an average of 150 new physicians per year .The universities has pos graduation courses in the several areas of health. **Proportion of population 35-to 64 16% males and 18,6 %of females**

## Jatai



**Rural-** Jataí is a [municipality](#) in southern [Goiás](#) state, Brazil. Its population was 88,048 (2010) in a total area of 7,174.2 km². Jataí is a major producer of agricultural products, including soybeans, rice, and corn. The campus of UFG has a Center of Agricultural and Biological Sciences. 320 KM from Goiania  
**Proportion of Population 35-64-16% ( male and female)**

## Pilot Study

### Overall Aims

- The pilot study for GOIACO will evaluate the feasibility of the whole cohort of ageing and NCDs in the Goias State.
- A total of 1,200 individuals will be sampled with the pilot study, representing 2,7% of the whole proposed cohort. Thus the pilot study will have enough power to identify the weakness and the strength of this whole project.

## Pilot Study

### Specific aims

- To recruit 1,200 subjects 400 in each participant municipality.
- To verify the response rates of the recruited participants.
- To verify the attrition in the follow up at 06 and 12 months.
- To assemble a bio bank for the biological samples in urban and rural areas.
- To elaborate and adequate the questionnaires.
- To evaluate the quality of the questionnaires in each centre.
- To construct a database.
- To enforce research on long term longitudinal studies in central part of Brazil.

# Pilot Study

## a) Design

- GOIACO – Pilot study
- Recruitment 1,200 individuals – 35-64 years old
- 400 in each municipality
- Response rate of the invited participants
- Validation and reproducibility of the questionnaires
- Compliance with blood and biological samples donation Follow up at 06 and 12 months
- Data base/ Bio bank

## b) Training and test of the questionnaires

- Preparing the questionnaires – elaborated by the each team leader - 30 days
- Meeting with the participant teams to discuss the questionnaire
- Testing the questionnaires randomly in about 50 persons
- Meeting with the experts 3 days to evaluate the results and to adequate the questionnaire according.

## c) Workshop

### Workshop 3 days

- To training the interviewers on questionnaires application and Interviewing techniques
- Capacitate laboratory personnel to collect , handle and store biological samples -

GOIACO  
PORTAL

## e) Recruitment by probabilistic sample

### Site location Recrutinent

- Goiania – urban – 400 participants/ PUC vaccination clinic
- Goias rural – 400 participants
- Jatai – 400 participants

### T0- Questionnaires, Blood sample collection, Physical examination- 3 months

Re-test of 10% of the questionnaires to evaluate the validity and reproducibility

1. Data Entry

2. Questionnaires  
validation

3. Biological  
sample storage  
validation

4 Follow up  
validation

## f) Follow up

T1- Follow up 12 and 18 months