

## Natural History of Wheezing in a cohort of children of Havana, Cuba. “HINASIC”

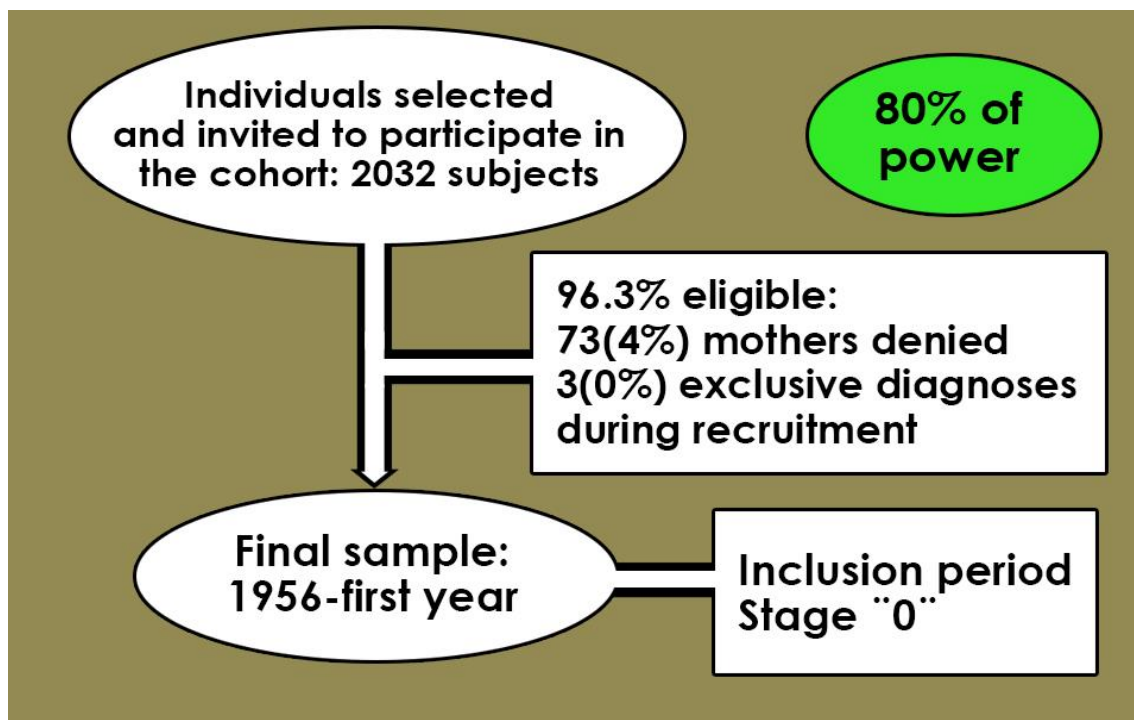
### Informative Report # 4 – Diagnosis and treatment

The National Institute of Hygiene Epidemiology and Microbiology of Cuba, in collaboration with the University of Nottingham, UK, has lead the study of a cohort of children from birth in order to identify the incidence, characteristics and risk or protective factors associated to wheezing in preschool.

The first results are presented in this report.

### PARTICIPANT POPULATION 2010-2011

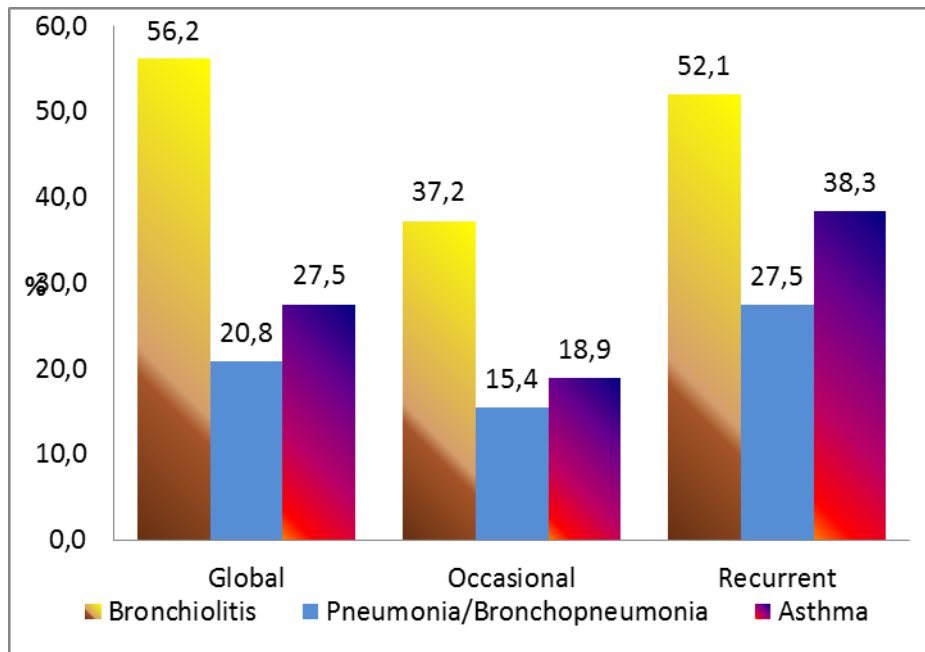
#### Recruitment diagram



During the period 2010-2011 was requested the agreement of parents or guardians of selected children representative of Havana, Cuba, to participate in the HINASIC study. ISAAC questionnaire was applied, with the addition of questions by interest of the researchers and were carry out laboratory tests (stool, total IgE, eosinophil full count and complete blood count with differential).

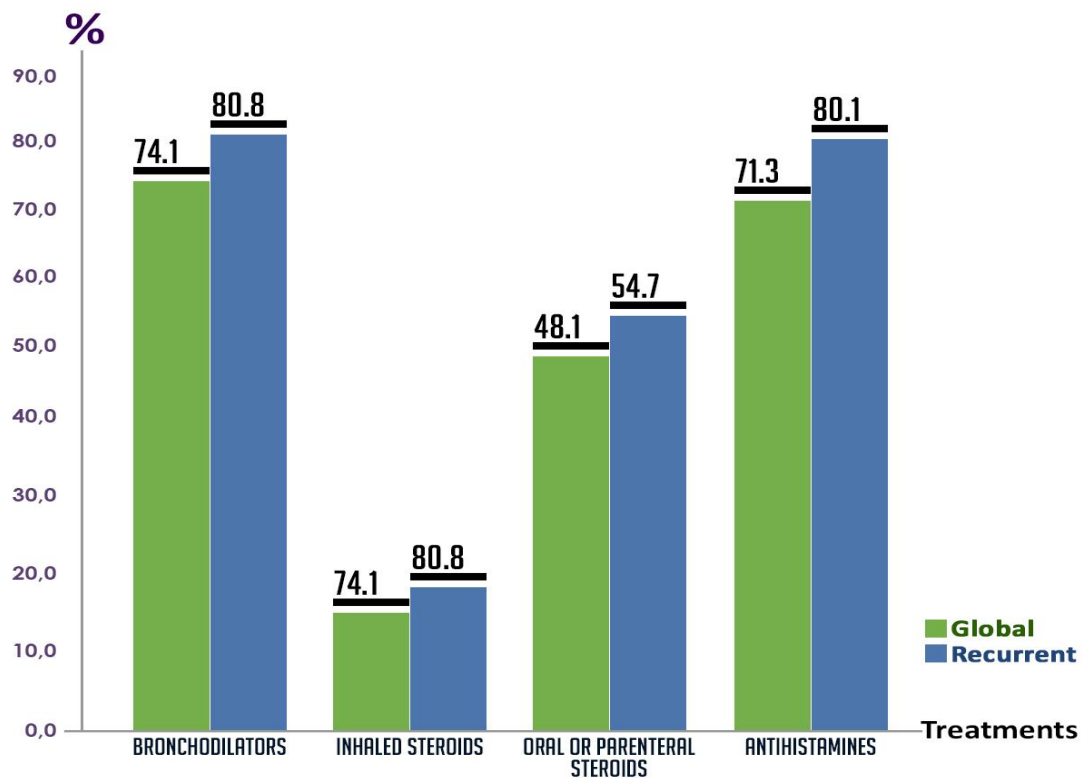
**Results (year 2010-2011)**

**Medical diagnostics issued according to the classification of wheezing episode. HINASIC, 2010- 2011.**



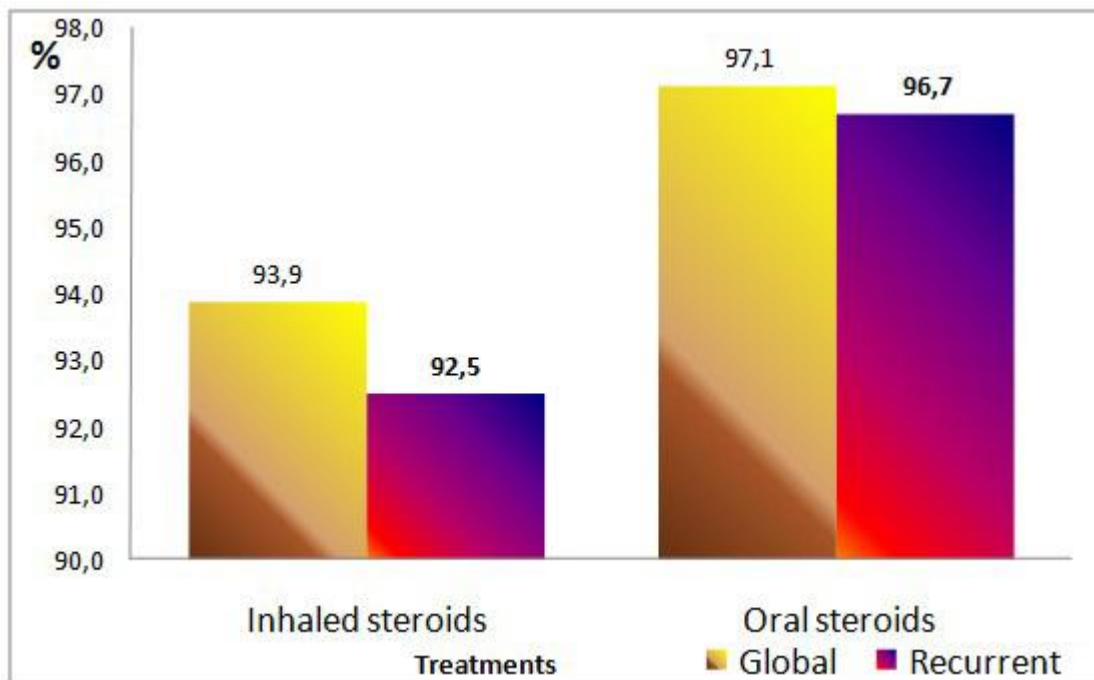
Bronchiolitis is the most common medical diagnosis issued by the physicians before the episode of wheezing (56.2%).

**Use of drugs to an episode of wheezing. HINASIC, 2010- 2011.**



From 7 to 8 in 10 infants have been treated with bronchodilators and antihistamines for wheezing. Steroids have been less used.

#### Favorable response to corticosteroid use. HINASIC, 2010- 2011.



In more than 90% of infants with wheezing response to treatment with corticosteroids he has been successfully received by their parents.

#### Conclusions

Bronchiolitis is the most common medical diagnosis that is issued to an infant with wheezing in Havana. A high prescription of antihistamines and poor prescription of corticosteroid was found, despite its favorable response, which is a major problem in the medical approach in recurrent wheezing. In the immediate future strategies must be taken by the personnel of the different levels of care, for the proper management of wheezing in these stages of life.

#### How to cite in Vancouver style

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