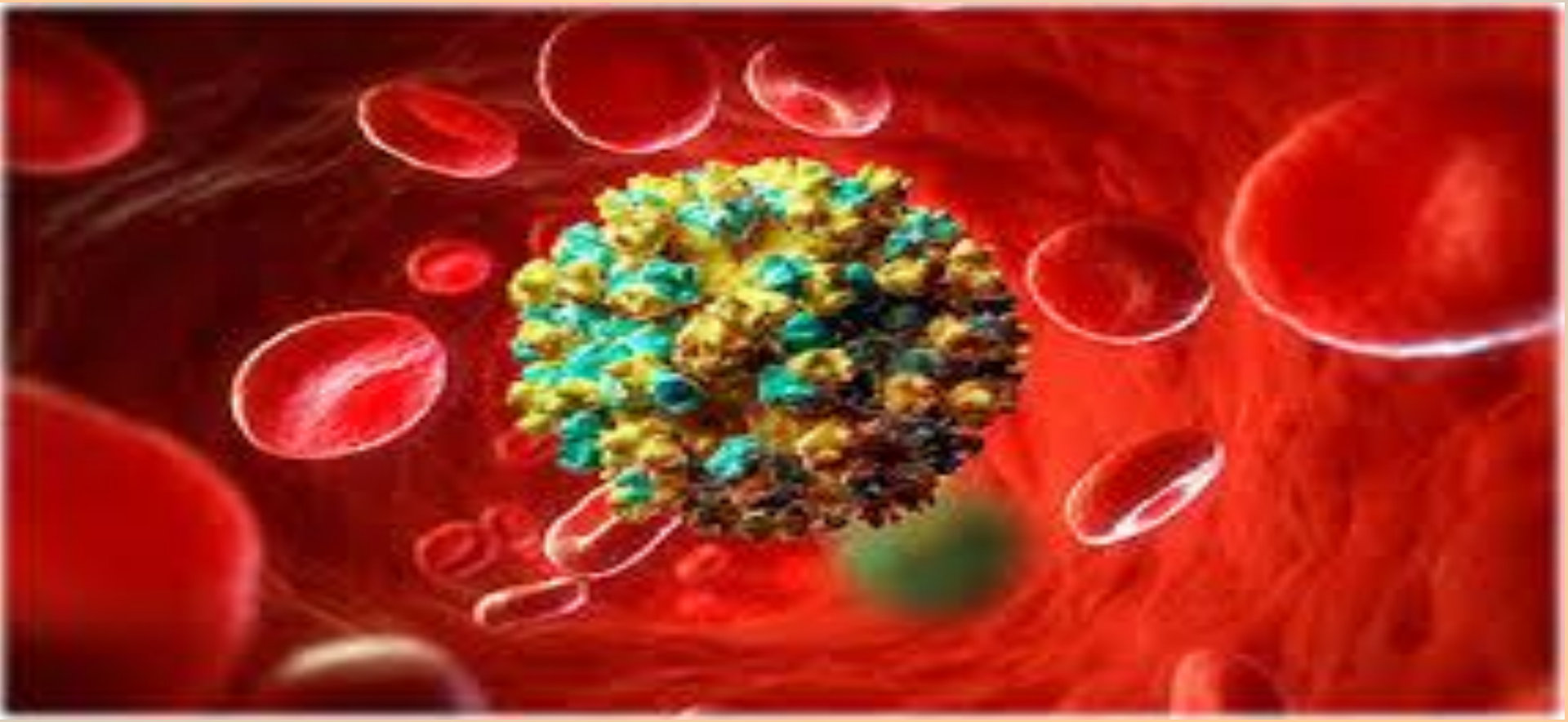
PREVALENCE OF IMMUNITY AGAINST INFECTION OF HEPATITIS A AND HEPATITIS B IN CHILDREN COCHABAMBA, BOLIVIA



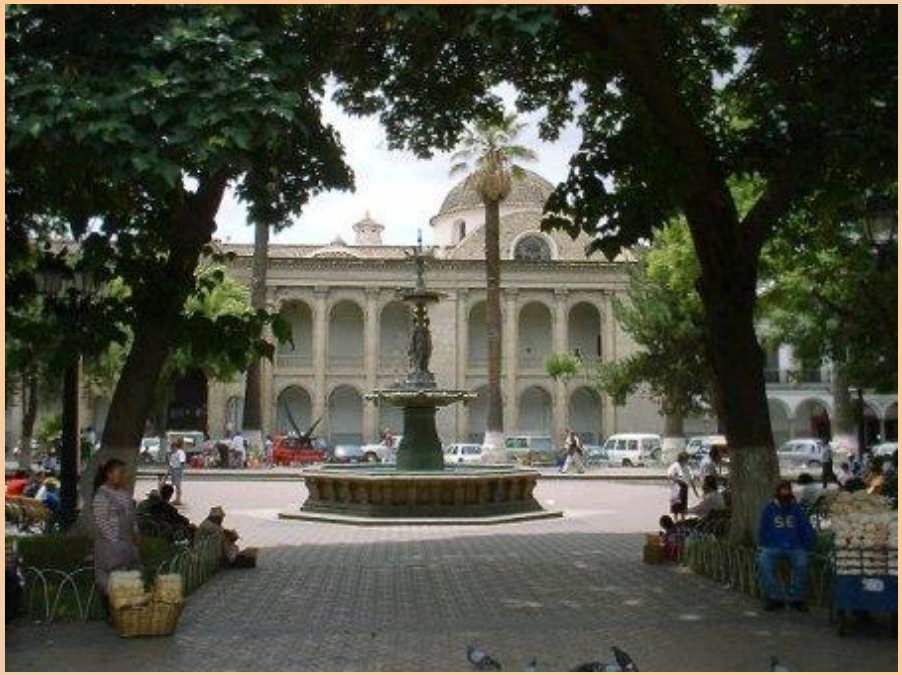
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AUTHORS
Maria del Rosario Dávalos Gamboa, Cristina Masuet Aumatell, Josep Ma. Ramon Torrell and others

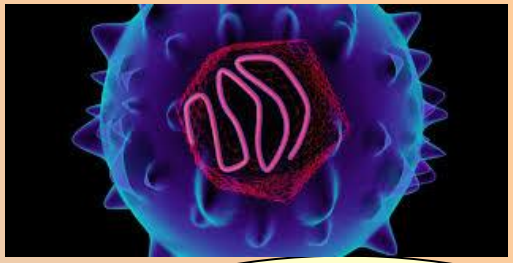
Background

- knowing the immune status against hepatitis A and hepatitis B in children Cochabamba, Bolivia and seroepidemiological association.

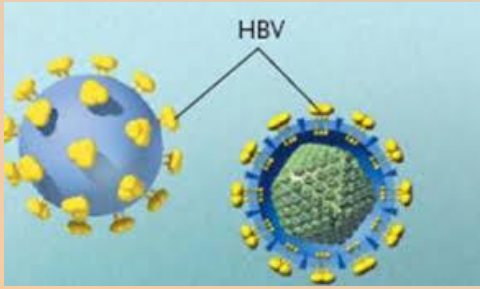




INTRODUCCION



are a viral public health problem worldwide



each year about 1.4 million cases of hepatitis A are reported worldwide, that can cause mild to severe morbidity

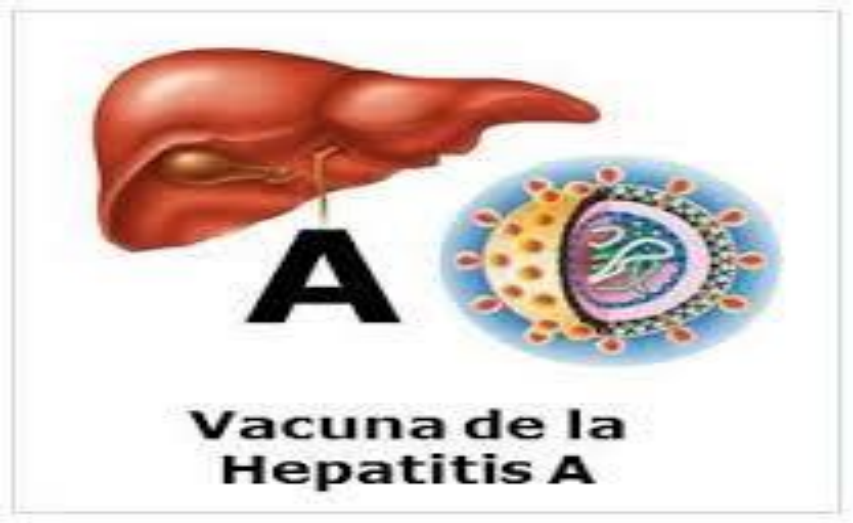
Infections of hepatitis

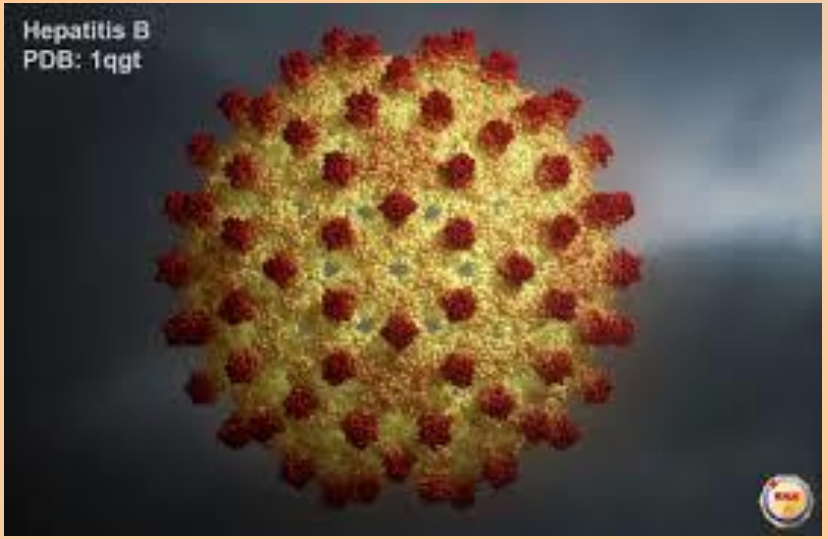
Each year VHB infected 2 billion people, of which more than 240 million have cronic hepatitis, more than 780 000 people die

VHB is the most serious type of viral hepatitis, that can cause cirrhosis or hepatocellular cancer

INTRODUCTION

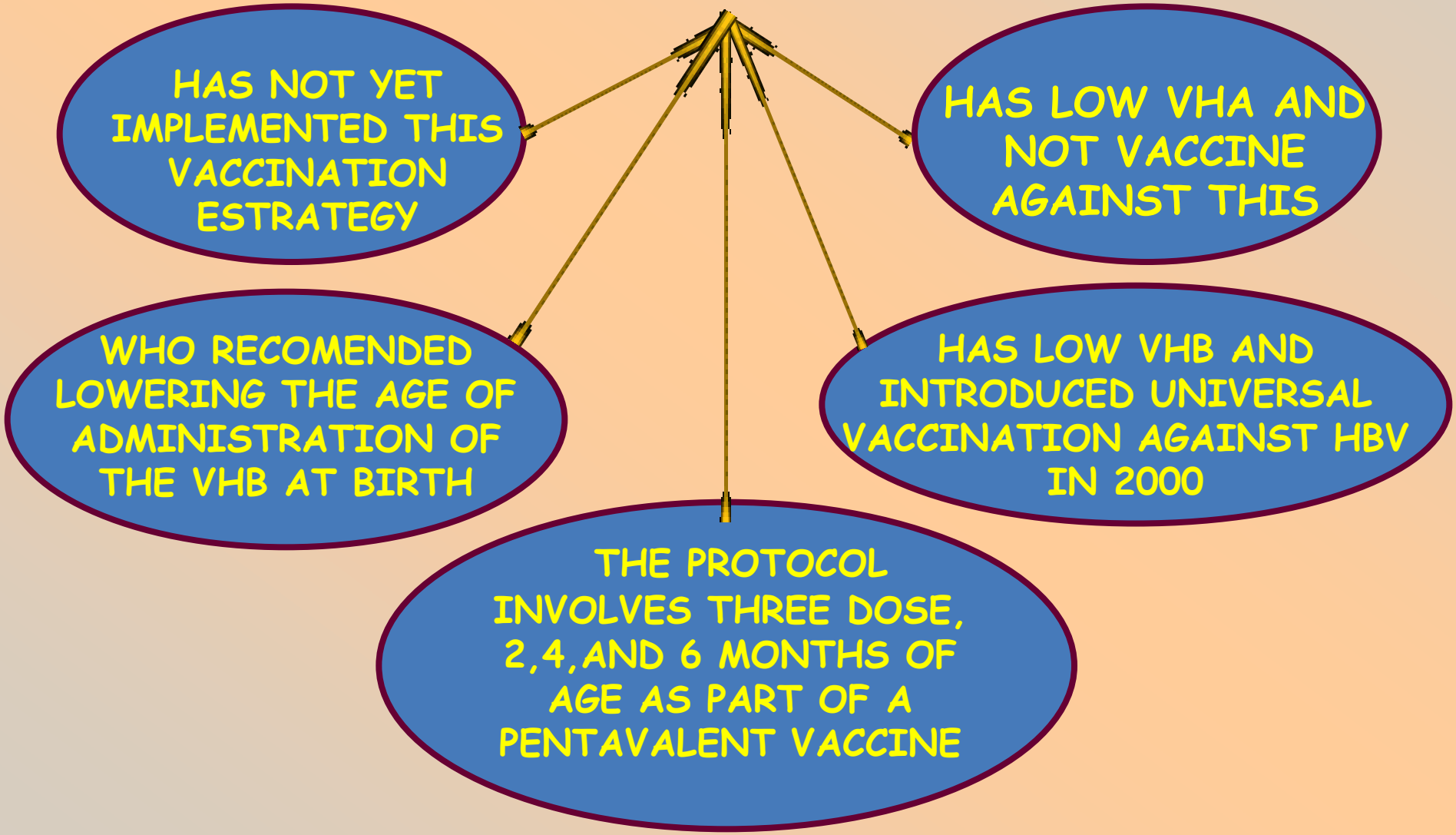
- Lifelong protection is observed after VHA infection and in some cases also after VHB infecction is observed protection lifelong
- The WHO (2012) recommended the integration of VHA and VHB vaccinations into the national immunization schedule for children 1 year old for VHA and VHB at birth.



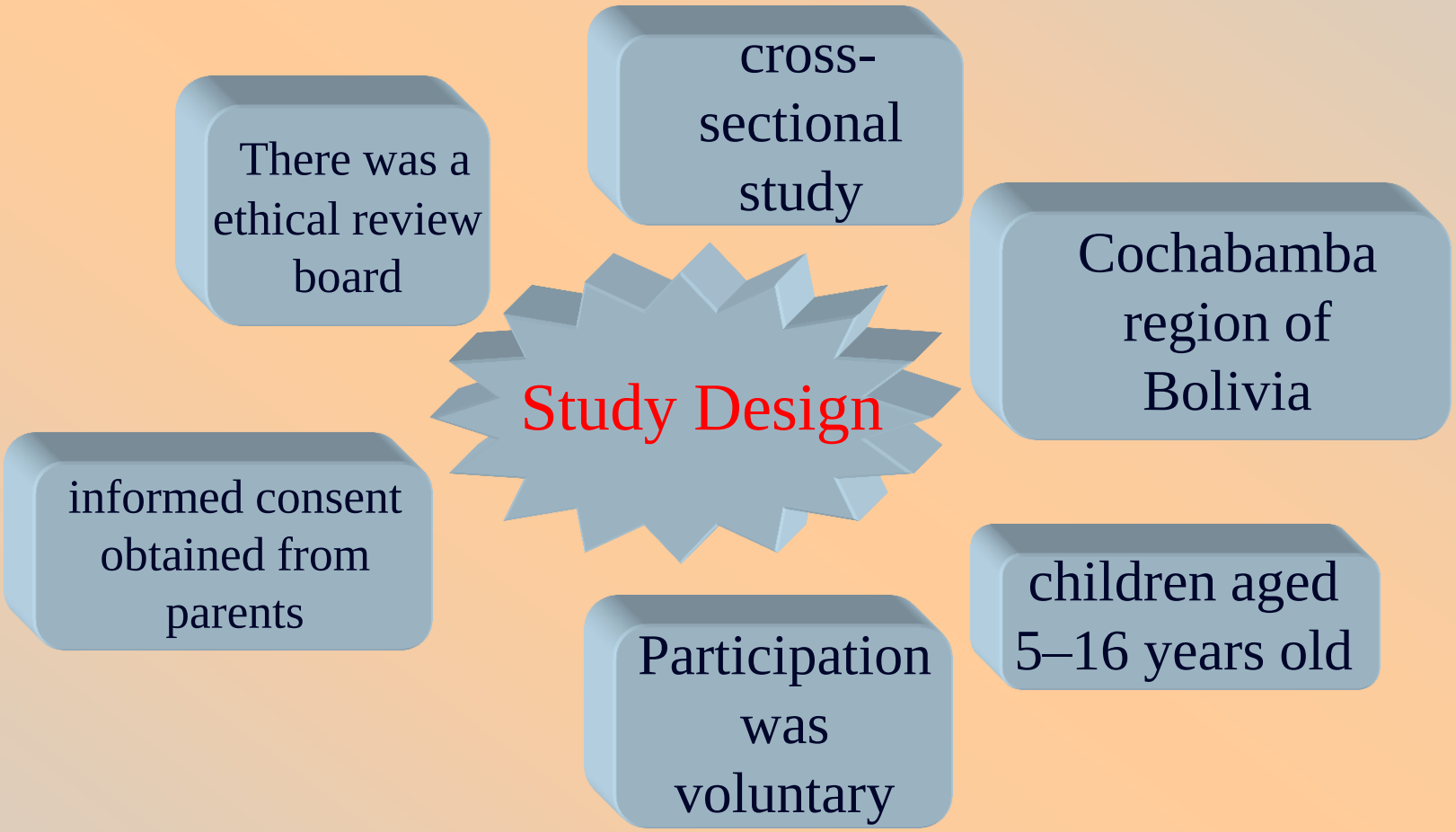


INTRODUCCION

BOLIVIA



MATERIALS AND METHODS



MATERIALS AND METHODS

Setting

cross-sectional study in March to April 2010

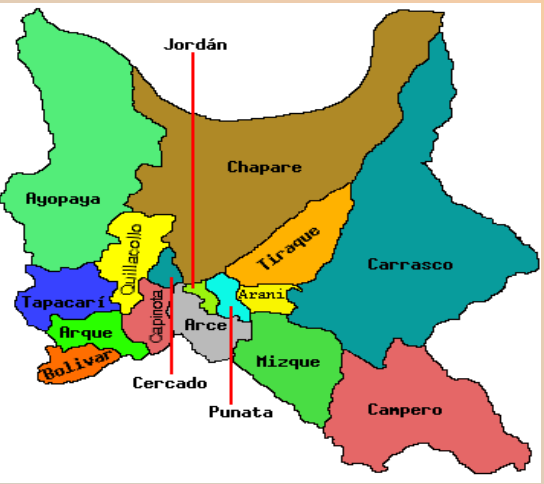
health survey in Cochabamba

Entitled Bolkid

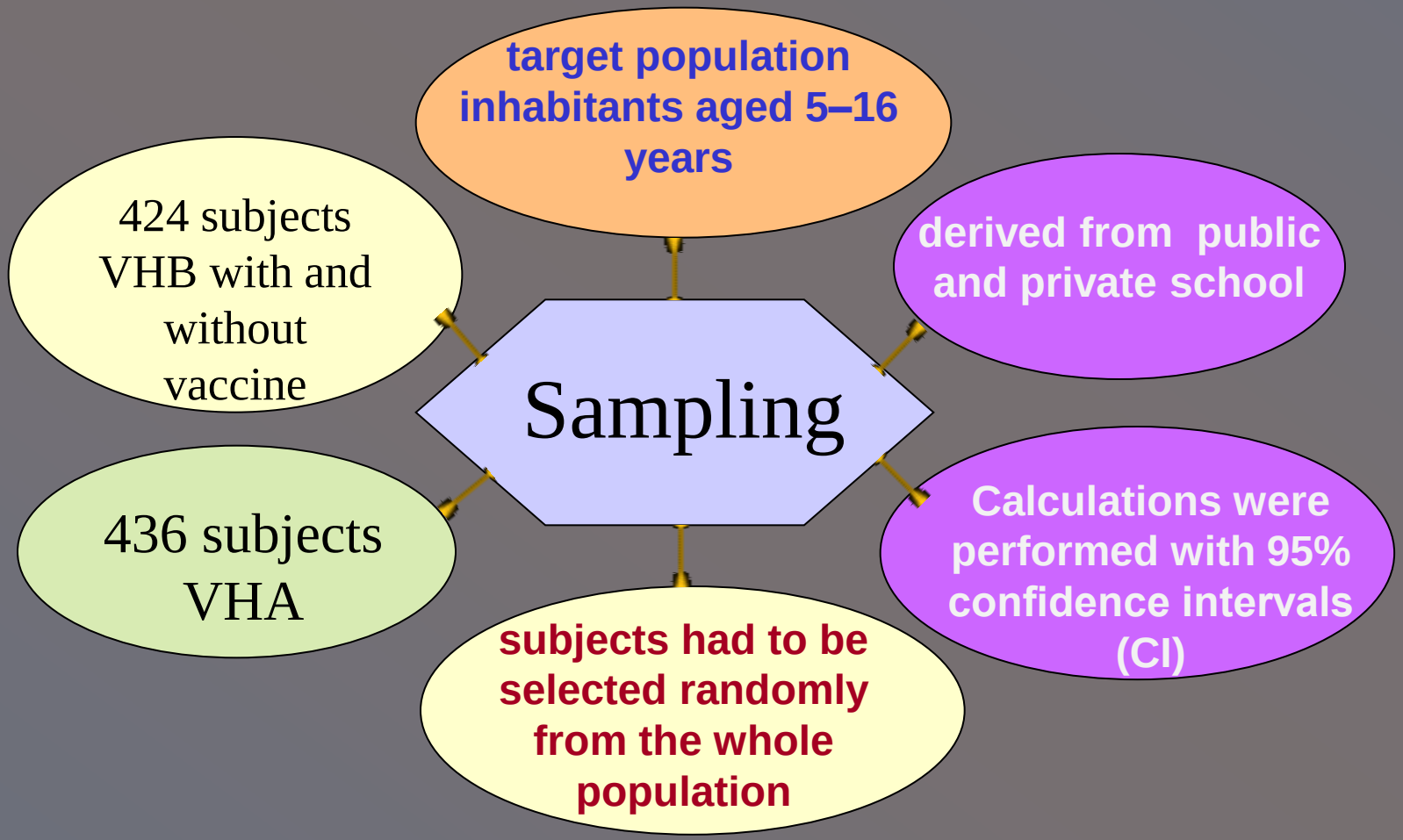
Five municipalities were selected for the study.

comprises 1,862,000 inhabitants

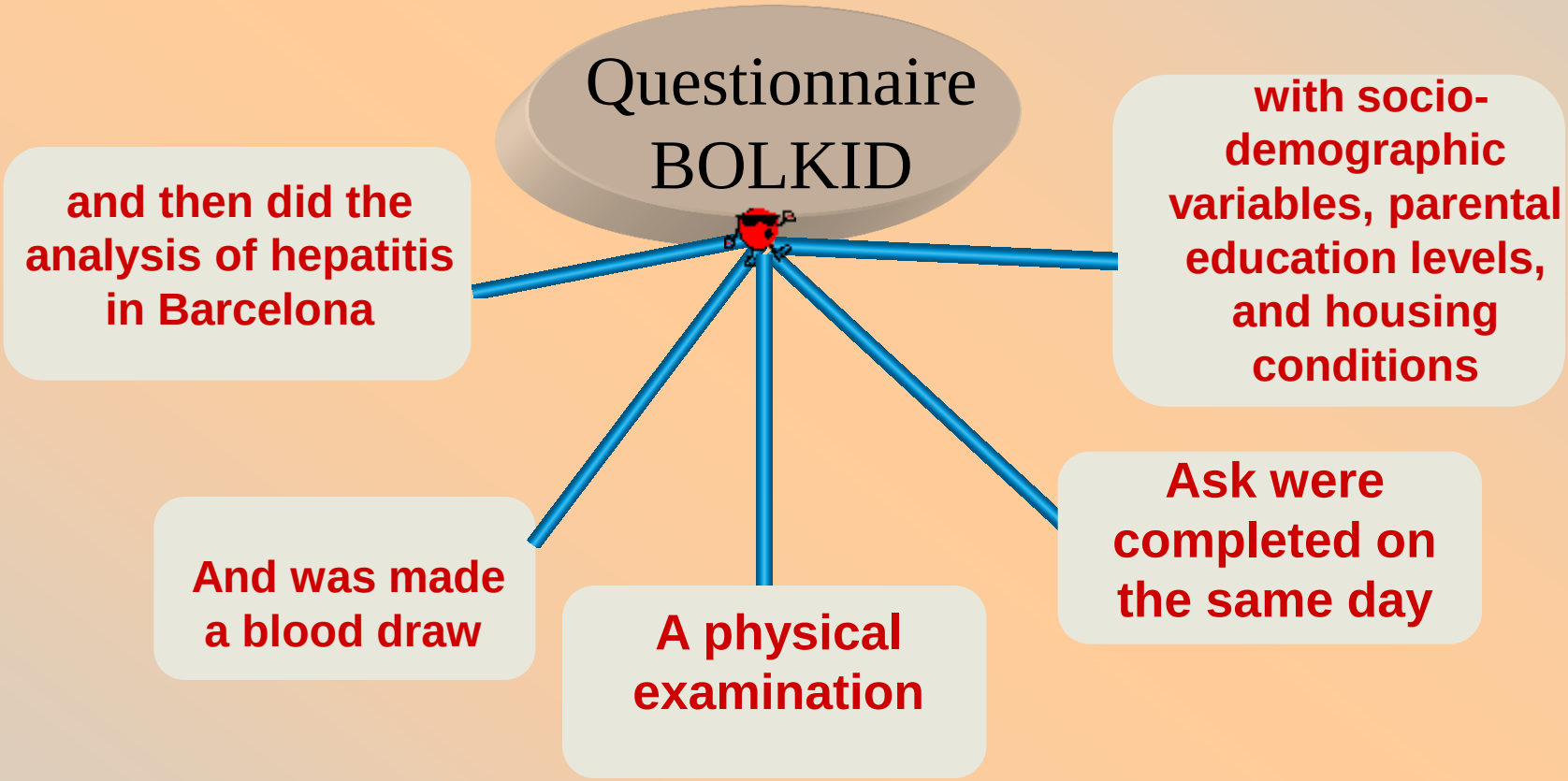
Cochabamba Have 55.631 km2



MATERIALS AND METHODS



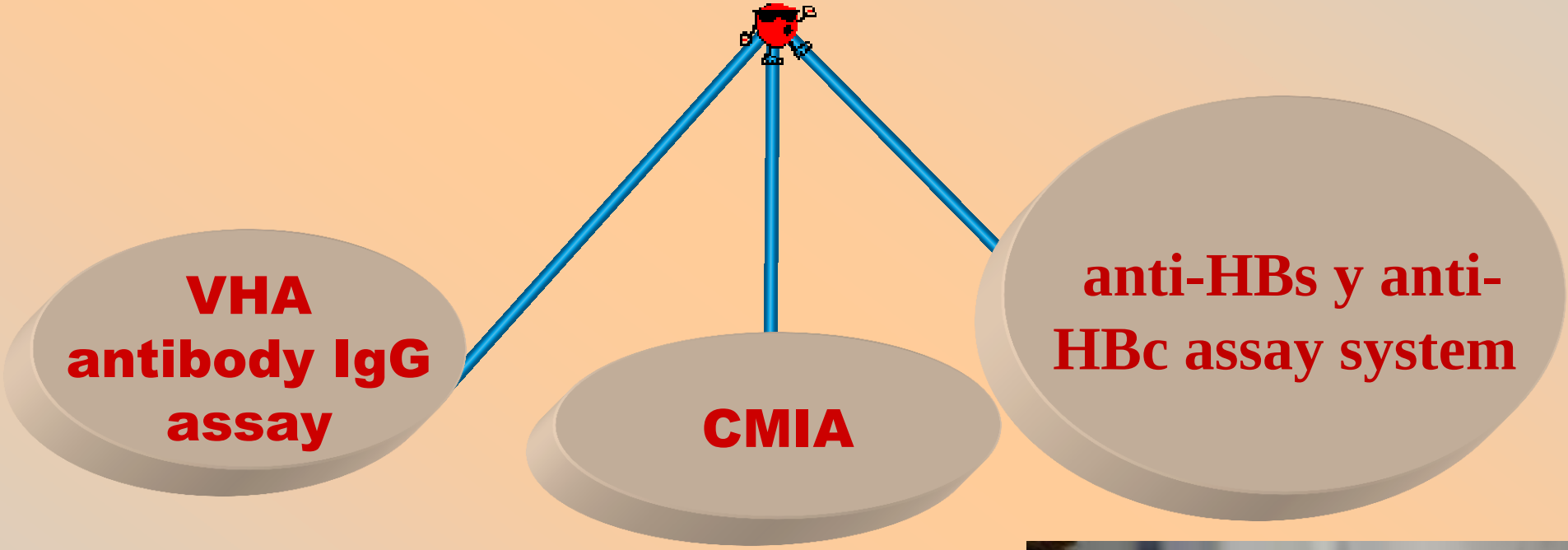
Materials and methods



METHODS

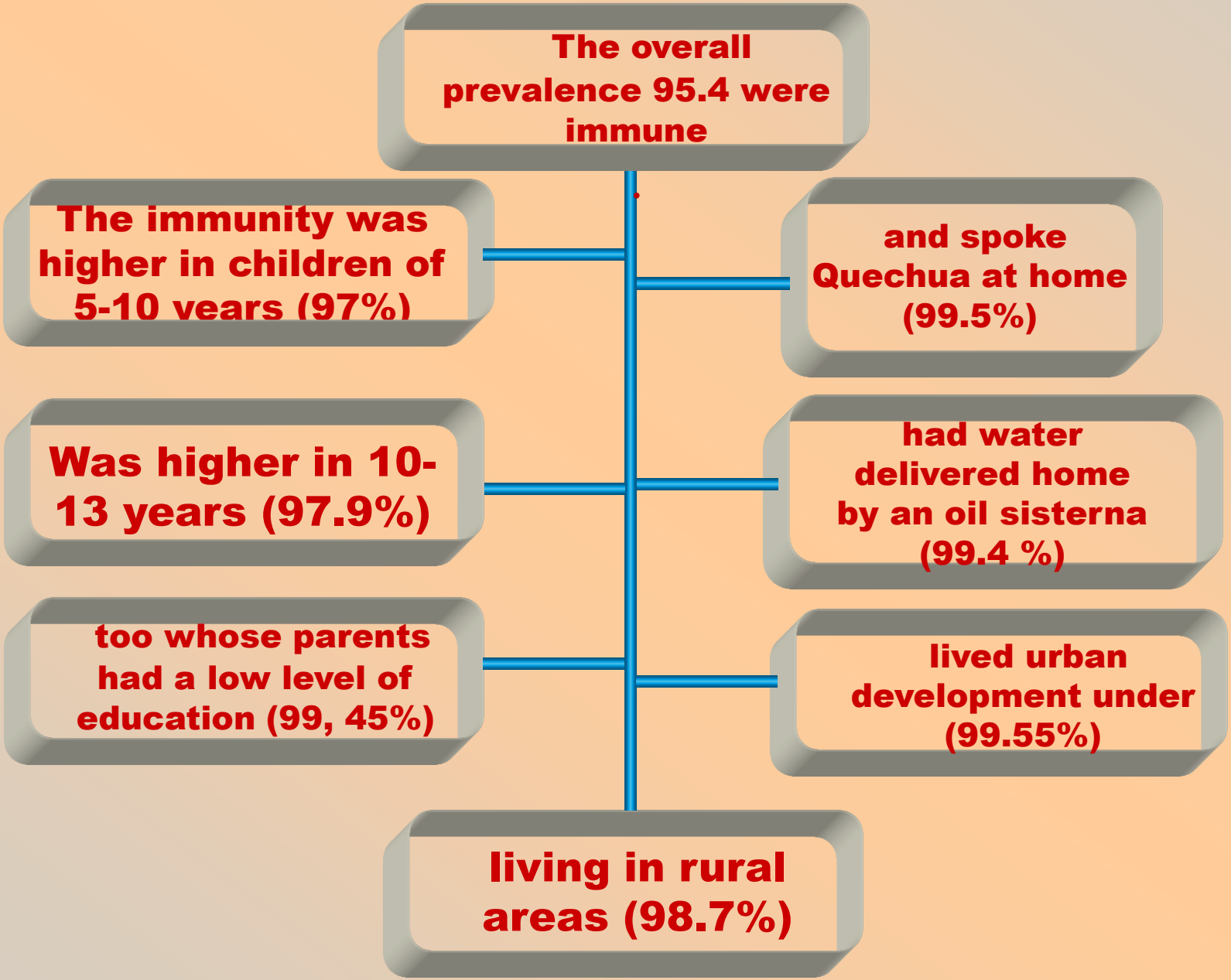
VHA –VHB Antibody Test

Elisa test

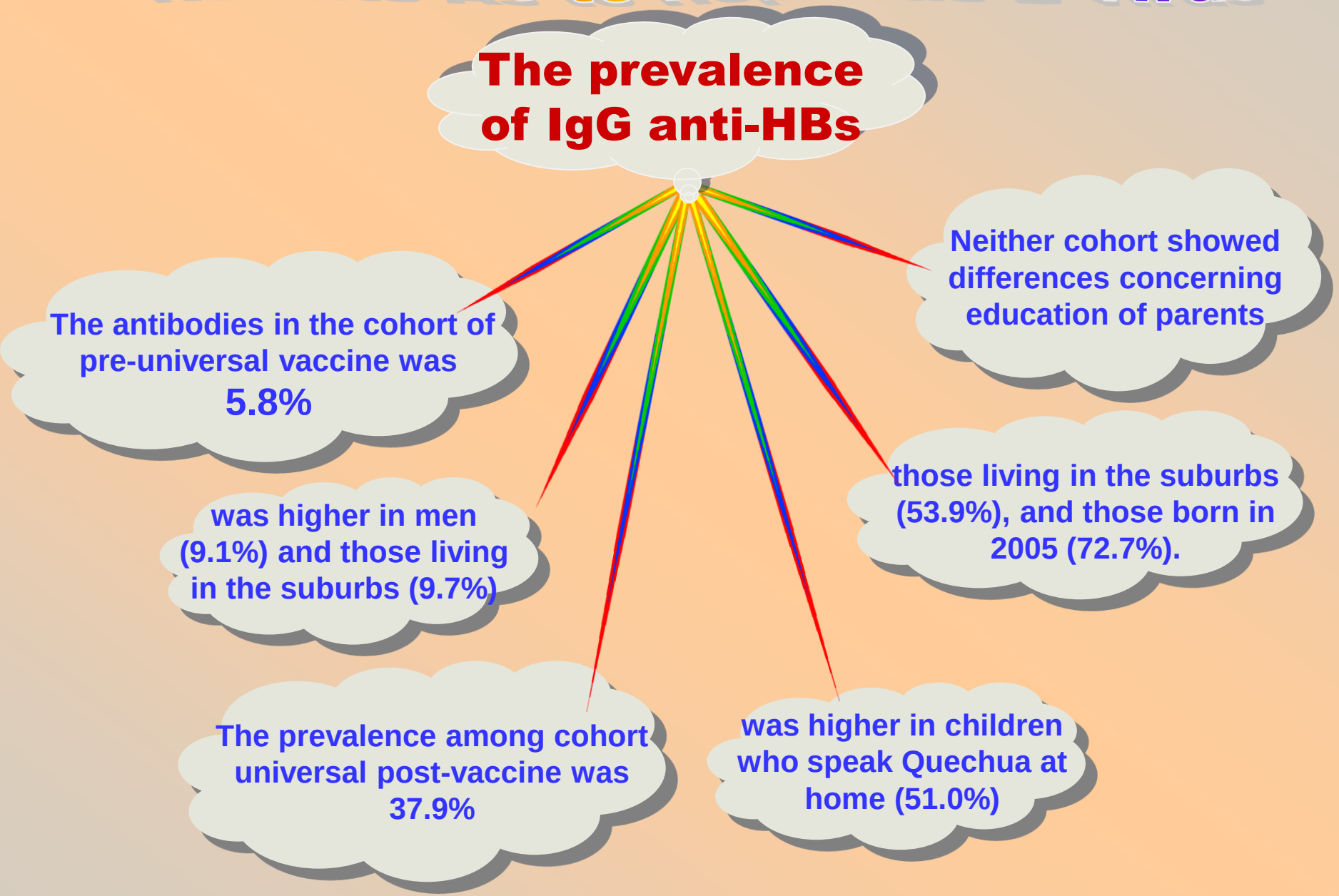




RESULTS
As regards Hepatitis A



Results As to Hepatitis B virus



Results As to Hepatitis B virus

The prevalence of IgG anti-HBc



was 1.1% among post-universal vaccine cohort

1.2% among pre-universal vaccine cohorts

CONCLUSIONS



The inmune status against VHA was high, especially those lived in municipalities with low urban development



The immune status against VHB was low, in spite of a decade of universal immunization, also was found a low long term humoral inmunity in vaccinated children


Thanks!