

Resources and Networks in North America: Mexico

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Mexico City

- People living in Metropolitan area: 8,851,080.
- Metropolitan area plus surroundings=19,973,000
- Number of pregnancies/year: 153,631



Altitude: 2,382 ft

Mexico's Health System

GOBIERNO DE
MÉXICO



National Social Security Systems



States Governments Systems



Federal System of Health



Special Health Subsystems

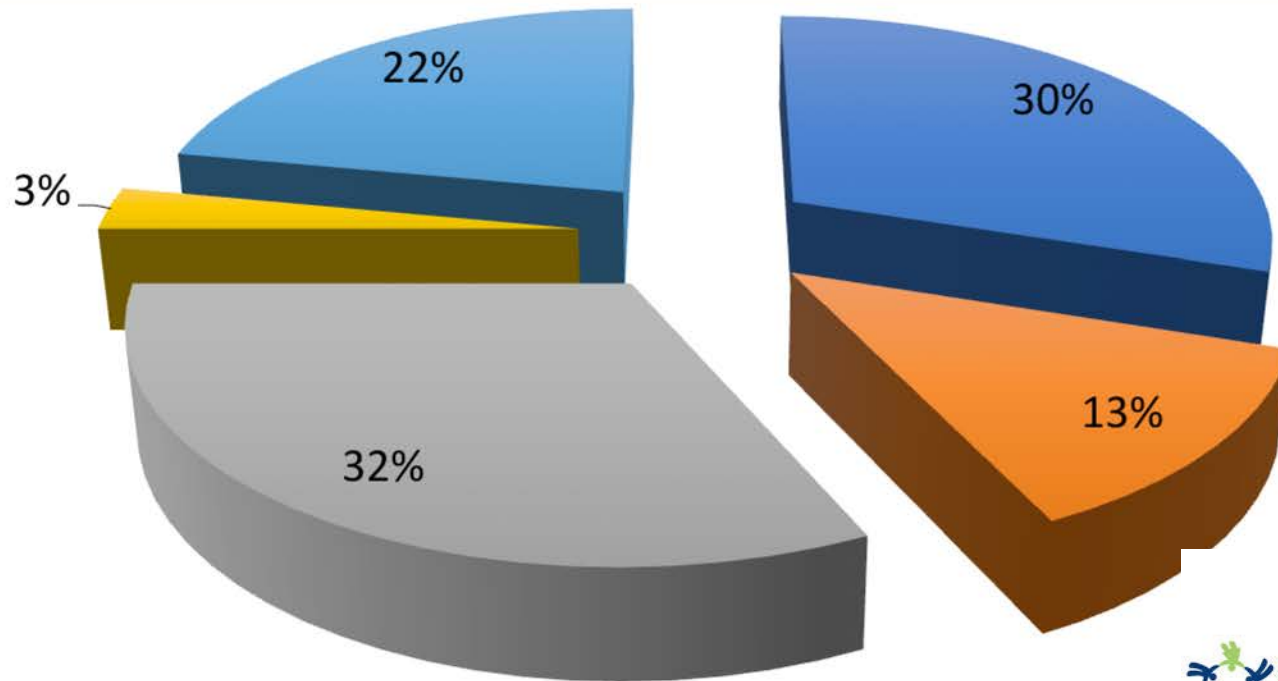


Private Hospitals



Health System for Pregnant Women in Mexico City.

- National Social Security Systems
- Federal System of Health
- Mexico City Government
- Special Subsystems
- Private Hospitals



Scientific Research in Humans and Clinical Trials in Mexico





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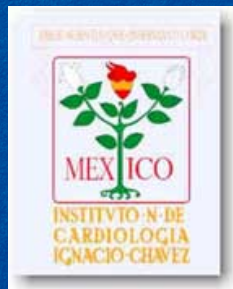
New clinical trials are delegated to third-party entities for review: National Institutes of Health IRBs.

**Research
Commission**

**Ethics
Committee**

Evaluation and authorization of new projects takes 30-60 days.

National Institutes of Health of Mexico



Financial resources for Science.





UNAM:

National Autonomous University of Mexico
Largest public University in Latin America



INMEGEN:

National Institute of Genomic Medicine
Newest NIHM

Mexico City Perinatal Cohort: 1st phase (2012-2016)

UNAM-INMEGEN-SEDESA

- A hospital network covering women in Mexico City.
- Woman with low-socioeconomic status
Covered by Seguro Popular
- One hospital was involved.
- One thousand women included.



**Air pollution, inflammation and preterm
birth:**

A mechanistic study in Mexico City.

Grant from NIEHS, R01ES016932



Mexico City Perinatal Cohort: 2nd phase (2018-2020)



GOBIERNO DE LA
CIUDAD DE MÉXICO

UNAM-INMEGEN-SEDESA

- A hospital network covering women in Mexico City.
- Low-income women.
- Three hospitals are now involved.
- Two hundred women included.
- Twenty five thousand pregnancies per year.

National Institute of Perinatology

- High-risk pregnancies.
- Women from Mexico City and vicinity.
- Low and middle class women.
- One hundred women included.
- Three thousand pregnancies per year.



Mexico City Perinatal Cohort

Main objectives:

- To study the effects of obesity in pregnancy and fetal/child metabolic programming.
- To develop early interventions to improve child diet and food patterns.
- To study the contribution of stress during pregnancy to preterm birth.
- To study the dynamics of cervico vaginal microbiota and the local inflammatory response.



Children will be followed until 3 years old by the National Institute of Pediatrics.

Projects were approved by two independent IRBs and they are functioning under follow-up of a external steering committee .

Prenatal care follow-up



Monthly visit from week 8-12 of gestation:

- Obstetrics and Gynecology
- Maternal Fetal Medicine
- Clinical Nutritionist

At birth:

- Delivery information.
- Neonate anthropometry and clinical information.



Drop-off rate: 2.5%



**We welcome
opportunities to
collaborate!**