



**DEVELOPMENT OF A UNIT FOR
REPRODUCTIVE HEALTH RESEARCH OF
RURAL AREAS AND SMALL URBAN
COMMUNITIES IN SANTA FE, ARGENTINA**

Project Protocol

From Research to Practice

Training in Reproductive Health Research

Geneva, 2006

GFMER IAMANEH WHO/RHR

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IAMANEH Scholarship

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- **Background**
- Objectives
- Activities
- Methodology
- Main problems anticipated
- Expected outcomes
- Dissemination

BACKGROUND

- **Province of Santa Fe**
- **Inequities in health care systems**
- Public and private components of health care systems
- Evidence-based Reproductive Health and Research
- CREP

BACKGROUND

OF SANTA FE



- Total population
3 000 000*
- Women of reproductive
age (15-49): 760 000*
- Maternal Mortality
Ratio (per 100 000): 3.6
**
- Perinatal mortality rate
(× 1000): 12.2 **

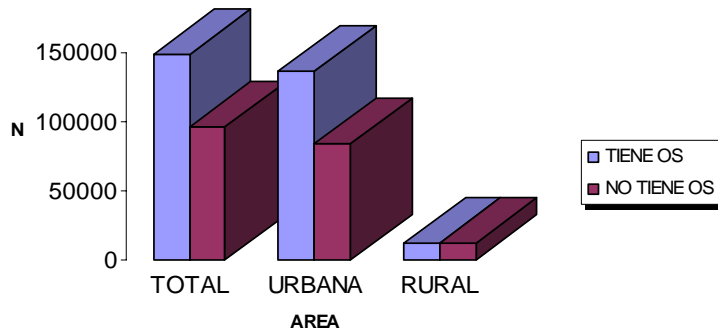
*ARGENTINA Republic: Santa Fe Government. Statistics, 2001

**ARGENTINA: Ministry of Health and Environment. Maternal and Child Program. Basic Statistics. 2004)

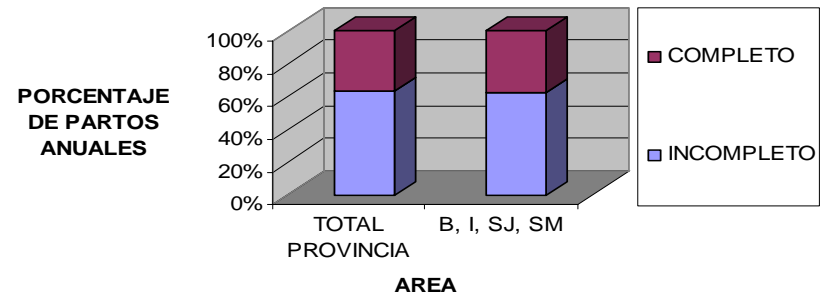
BACKGROUND

INEQUITIES

**POPULATION WITH HEALTH INSURANCE,
RURAL AND URBAN AREAS*, SANTA FE 2001**



**PROPORCION DE NACIMIENTOS ANUALES
SEGUN NIVEL DE INSTRUCCION MATERNO,
SANTA FE 2001**



**Departments: Belgrano (B), Iriondo (I),
San Jerónimo (SJ) San Martín (SM)**

*ARGENTINA Republic: Santa Fe Government. Statistics, 2001

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BACKGROUND

PUBLIC AND PRIVATE COMPONENTS OF HEALTH CARE SYSTEMS

PUBLIC SECTOR

- Lower-income group
- Prevention and chronic diseases
- Limited resources
- Staff overloaded, lacking in time and with low salaries

- *Gwatkin DR, et al. Lancet. 2004 Oct 2-8;364(9441):1273-80.*



BACKGROUND

PUBLIC AND PRIVATE COMPONENTS OF HEALTH CARE SYSTEMS

PRIVATE SECTOR

- Higher-income sectors or having third-party payment coverage
- Outside of the direct control of the state
- Data records lacking or sparse
- Overprovision

Jan S, et al. Bull World Health Organ. 2005;83(10):771-6.

BACKGROUND

- Province of Santa Fe
- Inequities in health care systems
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- **Evidence-based Reproductive Health and Research**
- CREP

BACKGROUND

EVIDENCE-BASED REPRODUCTIVE HEALTH AND RESEARCH

- Gaps between best available evidence and practice
Villar J et al. Int J Gynaecol Obstet. 2001;75:S47-54.
Belizan JM, et Birth. 2005;32(3):210-8.
- Barriers for implementation
NHS Getting evidence into practice 1999;5:-66
Gulmezoglu AM. Br Med Bull. 2003;67:73-83.
- Weak evidence of the behaviour change strategies
WHO Evidence-led obstetric care, Jan 2004
- Barriers for research in developing countries
Duley L, et al. Semin Fetal Neonatal Med. 2006 Apr;11(2):89-96. Epub 2006 Jan 23.

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- Public and private components of health care systems
- Evidence-based Reproductive Health and Research
- **CREP**

BACKGROUND

CREP

- Centro Rosarino de Estudios Perinatales
- Epidemiological survey
- Conduction of large randomized controlled trials
- Performance of systematic reviews
- Training of health professionals on evidence-based medicine



<http://www.crep.com.ar/>

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OBJECTIVES

GENERAL OBJECTIVE

To develop a unit for Reproductive Health Research associated with Centro Rosarino de Estudios Perinatales (CREP) and World Health Organization (WHO).

The center's research will be targeted to **identify and solve regional priorities** in reproductive health of **rural areas and small cities** of the central region of the Province of Santa Fe, Argentina. It will expand, disseminate and consolidate the use of evidenced based care through **collaborative research** and continuing medical education.

OBJECTIVES

SPECIFIC OBJECTIVES:

- To improve the regional systematic collection and analysis of reliable and good-quality information on reproductive health within public and private health sectors.
- To implement a program of continuing medical education (CME) on evidence-based reproductive health care.
- To conduct research in the region, seeking solution to regional priority problems.

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ACTIVITIES

- **REPRODUCTIVE HEALTH SURVEILLANCE**
- **CONTINUING MEDICAL EDUCATION**
- **ORIGINAL AND COLLABORATIVE RESEARCH**
 - Development of an original research agenda focused in regional relevant health problems
 - Stimulate joint research through the participation in collaborative multicentre trials conducted by CREP

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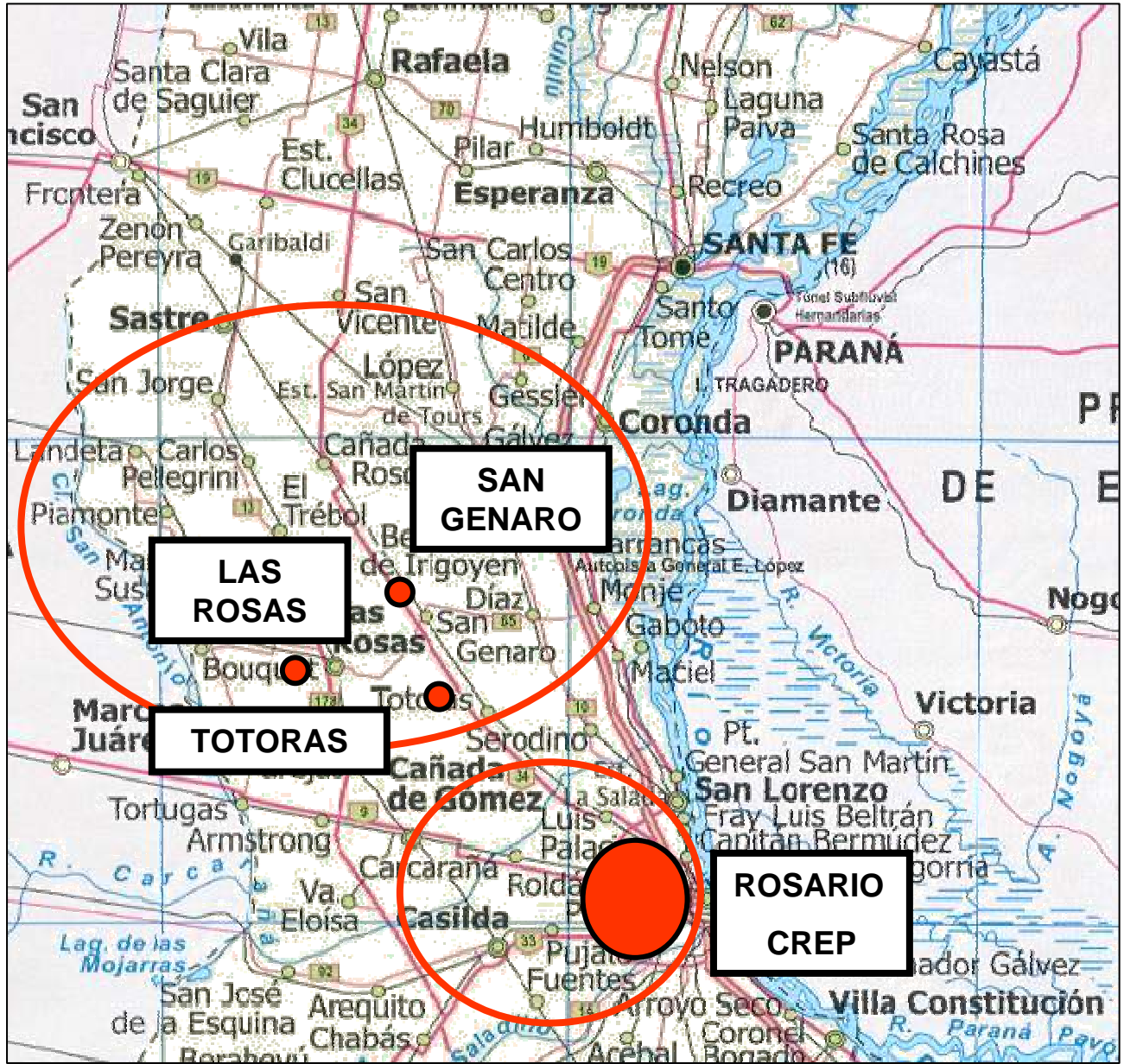
DESIGN AND METHODOLOGY

SETTING

- Small cities and rural areas of the departments of Belgrano, Iriondo, San Jerónimo and San Martín in the province of Santa Fe, ARGENTINA.

PARTICIPANTS

- Short term: Reproductive Health providers from public and private sectors
- Long term: others stakeholders



DESIGN AND METHODOLOGY

GENERAL OUTLINE

SHORT TERM

1 YEAR

3 CITIES

BASELINE SITUATION ASSESSMENT

3 MONTHS

**CONTACT WITH LOCAL
AUTHORITIES AND
POTENTIAL PARTICIPANTS**

**EVALUATION OF THE
COVERAGE OF THE
PERINATAL INFORMATION
SYSTEM (SIP),**

**MISSING VALUES
USE OF DATA (PROVINCIAL LEVEL)
RETURN OF DATA (BASAL LEVEL)
LOCAL USE (IF ANY)**



The image shows a screenshot of a data table from a Perinatal Information System (SIP). The table is titled 'Directorio Materno-Infantil MSP y A.S. - ARGENTINA' and 'CLAP ESPECIAL SISTEMA CLINICA PERINATAL'. It contains multiple columns and rows of data, including various demographic and clinical variables, presented in a grid format with some cells highlighted in pink.

DESIGN AND METHODOLOGY GENERAL OUTLINE

SHORT TERM

**1 YEAR
3 CITIES**

IMPLEMENTATION PHASE

9 MONTHS

**SISTEMATIC DATA
COLECTION
EVERY 3 MONTHS**

**ACTIVE WORKSHOPS
DIDACTIC PRESENTATIONS
MONTHLY***

**PARTICIPATION IN ANY OF THE MULTICENTER ONGOING
STUDIES CONDUCTED BY CREP**

- 1-evaluation of the effectiveness of alternative nitrofurantoin regimens for a symptomatic bacteriuria during pregnancy**
- 2-sublingual misoprostol for postpartum haemorrhage**
- 3-vitamins E and C for prevention of pre-eclampsia**



**Thomson O'Brien MA, Local opinion leaders: effects on professional practice and health care outcomes. The Cochrane Database of Systematic Reviews 1999,(1): CD000125.*

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MAIN PROBLEMS ANTICIPATED

SUSTAINABILITY

■ Human resources

- local enthusiasts and opinion leaders

Thomson O'Brien MA, Local opinion leaders: effects on professional practice and health care outcomes. The Cochrane Database of Systematic Reviews 1999,(1): CD000125.

- local ownership

Gulmezoglu M, et al. Br J Obstet Gynaecol. 1998;105(12):1244-7.

- team building

WHO Evidence-led obstetric care, Jan 2004

■ Financial support

- Stakeholders

■ Health policies and programmes

- Accreditation

WHO Evidence-led obstetric care, Jan 2004

Belizan JM, et Birth. 2005;32(3):210-8.

- Stakeholders

WHO Progress in Reproductive Health Research, N° 70, 2005

EXPECTED OUTCOMES

- To identify and solve regional priorities in reproductive health of rural areas and small cities of the central region of the Province of Santa Fe, Argentina
- To improve the use of evidence-based Reproductive Health
- To conduct original and collaborative Reproductive Health Research

