

CAPABILITY ARGENTINA

DEMONSTRATION PROJECT Participant 7

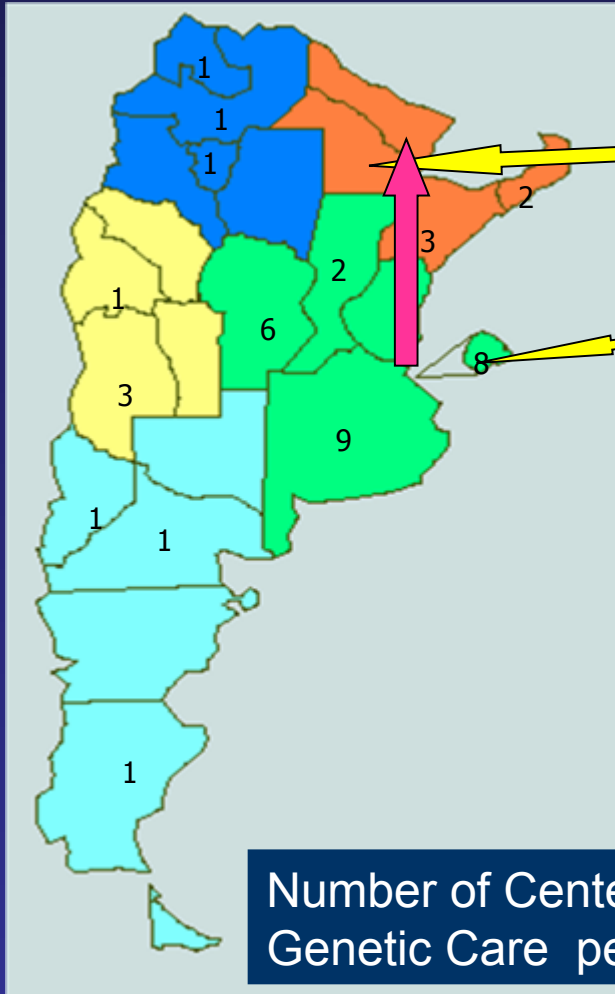


CAPABILITY ARGENTINA

General Objective

Design and implementation of a model of local delivery (Demonstration Project CAPABILITY Argentina) taking into account the particular characteristics of the selected area as a field of implementation and correlation with the recommendations of Needs Assessment Argentina.

PUBLIC GENETIC SERVICES IN ARGENTINA (2007)



One of them was CHACO

Location of our Institution (SAMIC)

There were 10 Provinces without Public Genetic Services

Distance: 1130 km

Number of Centers that provided Public Genetic Care per Argentine Province

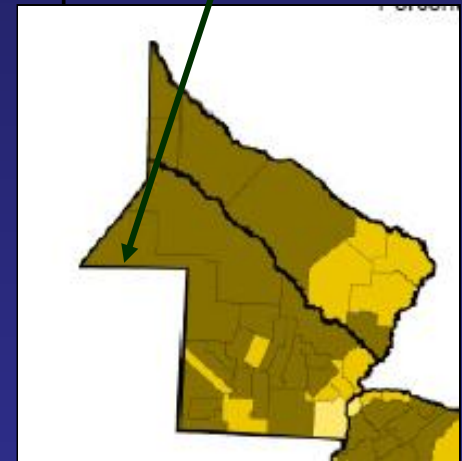
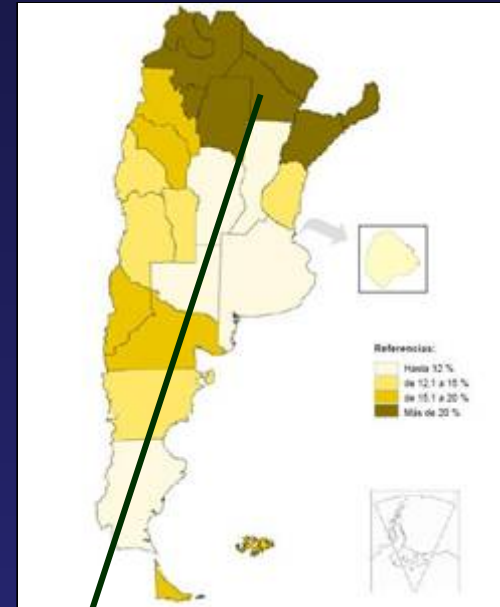
Background work

The province of Chaco was chosen as the venue for the demonstration project:

Chaco

Northeastern Argentine province that has no services of clinical genetic care
Total Population: 1.042.881 inhabitants

Reference for Unsatisfied Basic Needs:

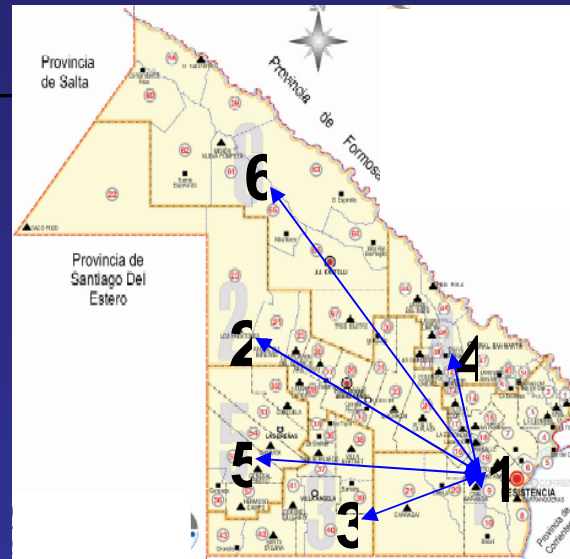


Major reasons for the choice of Chaco as a model for implementing the demonstration project:

- **The health organization in Chaco**

The health organization in Chaco is subdivided into 6 Sanitary Areas.

Each sanitary area has a Distance Communication Office (DCO) connecting health care professionals of Chaco with our Institution.



Major reasons for the choice of Chaco as a model for implementing the demonstration project:

- **Social and geographic conditions make endogamy a possible risk factor**

Native populations.

Immigrant population (Las Breñas)

Areas of difficult access: Rainforest “El Impenetrable”.

- **Social, political, and economic conditions cause the impact of genetic factors to increase**

Unsatisfied basic needs are higher than 30% and infant mortality is estimated at 19.7‰.





Ministerio de
Salud Pública
Provincia del Chaco



Es tiempo de crecer

- Public Health Care Network of Chaco consists of:
- 400 facilities for patient care of different levels of complexity for 1,042,881 inhabitants coordinated by Directors of the Areas
 - 110 provide daily, continuous, and permanent care.
 - The remaining facilities are small primary care centers located in remote places with care provided by assistant nurses and scheduled visits of medical professionals.
 - Three centers are provincial referral centers.
 - 1284 beds

Capacity building in genetics according to local needs

- Demography: e.g.: Endogamic groups: current native population/ Main reasons for consultation
- Human resources: e.g.: Number of health care professionals / Means of communication.

Training at three different levels:

• INITIAL:

Workshop for non-geneticist health care professionals.

• CONTINUOUS UPDATES:

Through the Web Page

• EXPANSION EFFECT:

Training health care professionals for local capacity building in the whole Chaco province

How have we made it possible?

- **PLANNING Phase:** Development of Logical Framework and Grant Chronogram
- Fine tuning of the Planning and first **contact with the authorities in Chaco**
- **IMPLEMENTATION Phase** (Ongoing activities)

Logical Framework

<p>Aim: To create genetic services in primary care in the province of Chaco</p>	<p>Objective Verification Indicators The population of the province of Chaco has access to genetic services</p>	<p>Means of Verification Statistical data of the Ministry of Public Health of the Chaco Province Report of the results of Capability Argentina</p>	<p>Hypotesis There are no clinical genetic services available for patients in the province.</p>
<p>Purpose/General Objective: To train health care professionals (HCP) working at the primary care level in the basic knowledge of genetics, continuing with periodic updates through a specialized reference center (SRC)</p>	<p>By December 2009 The HCP will have received basic knowledge on genetics that allows them: To locally resolve the most common pathologies (diagnosis, follow-up, counseling), To consult and refer the patient to a specialist at an early stage</p>	<p>Deliverables: report 2007-2009 Reason and number of consults, risk factors detected, diagnoses found, number of genetic counseling, number of patients referred</p>	<p>The increase of knowledge in the field of genetics and the lack of transmission of this knowledge to HCPs, added to the difficult access to a nearby hospital with a department of genetics lead to the absence of genetic services for patients. Training in basic principles of genetics applied and adapted to local practice will improve this situation.</p>
<p>Components:</p> <p>a) Initial formation: Training of health care professionals working at health centers in different sanitary areas in Chaco in genetics</p> <p>b) Continuous education Communication to achieve periodic updates for the HCPs to improve the quality of attention.</p> <p>c) Amplifying effect forming new educational agents</p>	<p>At the end of the second semester of 2008: The HCPs have participated in the initial capacity-building activities: seminars, workshops and teaching consults. Each health care center has received basic study material and follow-up syllabi.</p> <p>For December 2009: In the province of Chaco, the HCPs will: nterconsult with local specialists who are part of the network of specialists (SRC) teleconference / Serv. COMDIS The HCPs and pupils will be able to use the web page of Capability Argentina.</p> <p>When finalizing: Formation of training continued and the model will be reproduce in other provinces</p>	<p>Register of HCP in the province of Chaco Register of health care centers Forms of participation in the workshop Forms of participation in the Teaching Consults Forms of receipt of teaching materials</p> <p>Number of teleconferences with participation of the province of Chaco Number of referrals to SRC Number of counter referrals to Chaco Number of visitors and consults to the web page</p> <p>Number of teacher trainers of Chaco (educational management agents and educational agents of classroom)</p>	<p>Availability of teachers from the SRC to teach in the workshops</p> <p>Availability of time for participation in the workshop</p> <p>Availability:-of the department and the personnel of distant communication in Buenos Aires and in Resistencia, Chaco.-of local specialists for referrals-of medical staff at the SRC for update of the web page.</p> <p>Political support for the amplification of the model: by means of the recognition of the project and the importance of forming new educational agents.</p>
<p>Activities:</p> <p>a) Training symposiums in the 6 sanitary regions</p> <p>b) Continuous Education: teleconferences and web page: updates</p> <p>c) Amplifying effect: To transfer contents agreed to the profile (to see contents) in the SRC, to maintain connections with the SRC for update</p>	<p>Costs/Preliminary estimat: to see the analysis of costs in annexed</p>	<p>Receipts of expenses</p>	

Capacity Building and Transfer

List of tasks necessary for the achievement of the activities planned in the first steps	Was the task accomplished?	Others
Search for Work Field for Demonstration Project in Argentina	yes	Chaco was chosen
Search for strategies to plan the Demonstration Project according to the context of Chaco and genetic Needs Assessment, CAPABILITY Argentina	yes	Strategies for teaching and the development of educational material for <u>outreach education</u>



Related to Budget CAPABILITY Project

Strategies that favor the participation of different social organisms

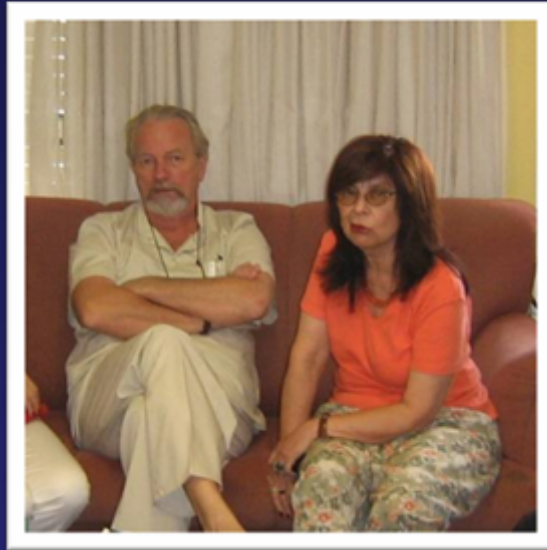
- **Commitment of national and local Sanitary and Political Authorities**
(National Ministry of Health, Ministry of Health in Chaco, Chaco Governor)
- **National and local health care workers.**
- **National and local teachers.**
- **Parents of children with congenital diseases.**
- **Talks open to people of the community in general**
- **Local media Chaco (TV, newspapers, radio)**

It is important to emphasize that this project aims at preserving and encouraging the local native population's knowledge, language diversity, and local societies that offer cultural factors and basic knowledge for the implementation and development of the program.

Capacity Building and Transfer

List of tasks necessary for the achievement of the activities planned in the first steps	Was the task accomplished ?	Others
Coordination National and Regional Authorities	yes	There was a change of government in the province of Chaco and changes in healthcare decision making
Establishment of a national working group and local working group in Chaco Purchase and shipment of equipment for the coordination office in Chaco	yes	Monitor, PC, Printer, and Internet Connection Books and Projector

Interview at the Ministry of Health



2007

Dr. Oscar Holzer, Minister of Health

Dr. Teresita Benitez, Subsecretary of complex diseases



2008

Lic. Sandra Mendoza, Minister of Health

Dr. Marcelo Slimel, Subsecretary of Health

Letter sent to the local authorities in Chaco



"2007 - Año de la Seguridad Vial"

CONSTRUYENDO LA CAPACITACION PARA LA TRANSFERENCIA DEL CONOCIMIENTO

Se ha elegido a la provincia del Chaco para realizar un Proyecto, en el marco de un convenio con la Unión Europea, a los fines de transferir el conocimiento en los principios de la genética médica y las nuevas tecnologías a los profesionales de la atención primaria y a los médicos especialistas no genetistas, (neonatólogos, pediatras, obstetra etc. Este proyecto es denominado CAPABILITY.

CAPABILITY es un modelo de proyecto de tres años desarrollado conjuntamente por expertos de Alemania, Reino Unido, Suecia que han invitado a participar a países en vías de desarrollo: Argentina, Egipto y Sud África, los que se encuentran actualmente comprometidos en importantes proyectos de desarrollo, a los fines de integrar la atención en genética en la atención primaria y la prevención de los defectos congénitos en nuestros países.

Los siguientes desafíos son comunes a ambos la Unión Europea y los países en vías de desarrollo:

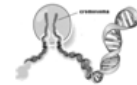
1. La necesidad de desarrollar un proceso de evaluación basado en la evidencia para los test genéticos y otras aplicaciones del conocimiento genómico en transición de la investigación a la práctica
2. La necesidad para la construcción de capacidades que permita integrar adecuadamente al sistema de salud los conocimientos en genética/genómica ha aplicado a la práctica y la prevención.

CAPABILITY es el primer paso dirigido a estos desafíos.

En nuestro país los objetivos específicos de este programa son: Desarrollar el marco analítico basado en la identificación de prioridades y recursos para la capacitación de profesionales en la atención primaria de salud; generando formas de adecuación en la comunicación entre el especialista y el profesional de atención primaria, permitiendo lograr adecuar la cobertura y accesibilidad de baterías de tests diagnósticos a la población en riesgo.

Validar el proyecto propuesto mediante una demostración del mismo para lo cual se propone en la Provincia del Chaco

- Realizar el diagnóstico de situación del conocimiento actual de los profesionales de atención primaria sobre la implicancia de factores genéticos y su relación con la salud poblacional.
- Desarrollar el marco analítico de prioridades en la transferencia de conceptos y herramientas suficientes para la detección precoz y manejo temprano del paciente con anomalías congénitas y su familia.
- Armar a modo de guías: pautas iniciales de atención, recomendaciones de seguimiento, etc.; adaptadas a las necesidades locales.



"2007 - Año de la Seguridad Vial"

- Medir el impacto de las actividades programadas, identificando si mejora la eficacia y eficiencia en la cobertura y accesibilidad de la población a la consulta genética.
- Ser este proyecto una herramienta de integración en el sistema de salud del conocimiento genético apropiado y un modelo colaborativo de trabajo entre las distintas instituciones

Nuestra meta será posibilitar el inicio de la atención en genética en Chaco utilizando como recurso la capacitación

Características locales:

Oficinas de Comunicación a distancia conectadas entre los hospitales de Chaco, y con nuestra institución.

Plan sanitario: APS Siglo XX al APS Siglo XXI: Estrategia orientada a mejorar la calidad de las prestaciones Médico-Asistencial

Programa en marcha: Historia Clínica Única Automatizada (HCUA)

Sistema de derivación programado

Chaco tiene una tasa de mortalidad infantil 19,7%0 (INDEC 2005). NBI: > 30%, Poblaciones endogámicas aborígenes. Sitios de asilamiento geográfico: El Impenetrable

En los sitios de mayores dificultades sociales, los factores genéticos tienen un impacto mayor en las familias

Se realizara Experiencia Piloto: Zona Sanitaria V, Las Breñas

Establishment of a local working group in Chaco in coordination with the national team



Sanitary Area V

Sanitary Area I



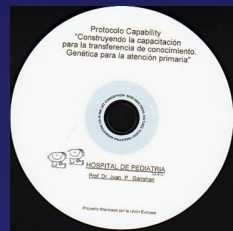
List of tasks necessary for the achievement of the activities planned in the first steps	Was the task accomplished ?	Others
Survey: <ul style="list-style-type: none"> • Human Resources • Genetic knowledge background • Analysis of indexation performed in Sanitary Zone V and I 	yes	
Design of educational material: Syllabus level A, Syllabus level B; PowerPoint classes, CDs.	yes	
Design and activation of Web page	yes	
Symposium in Sanitary Zone I,II and V	yes	Participation of different primary care professionals
Teaching course for new teachers	yes	In course

Syllabus CAPABILITY Argentina:

Power Point Presentations:

Web site CAPABILITY Argentina

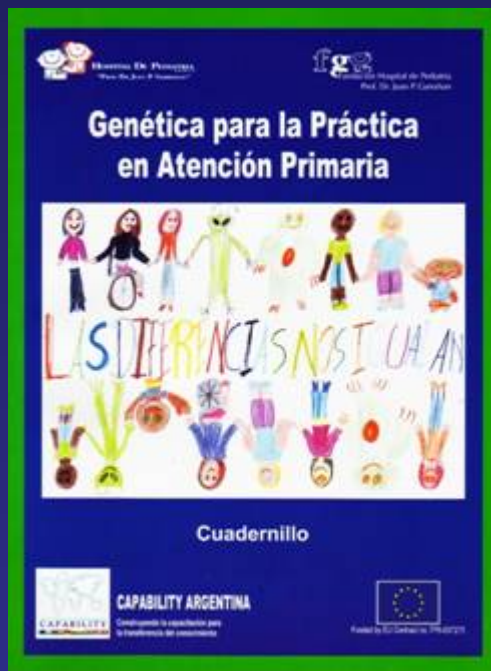
Level A and B
Finished February 2008



Booklets for parents of children with birth defects

Capacity Building and Transfer

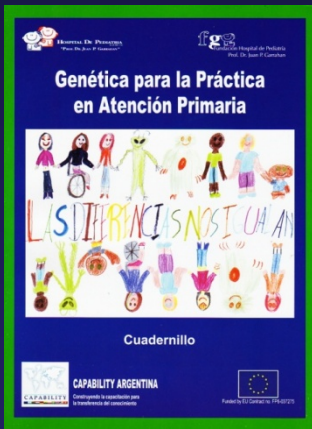
Design of educational material:
Syllabus level A, Syllabus level B, and CDs;



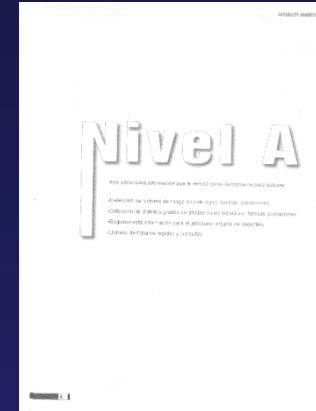
Syllabus CAPABILITY Argentina



CD CAPABILITY Argentina



Level A



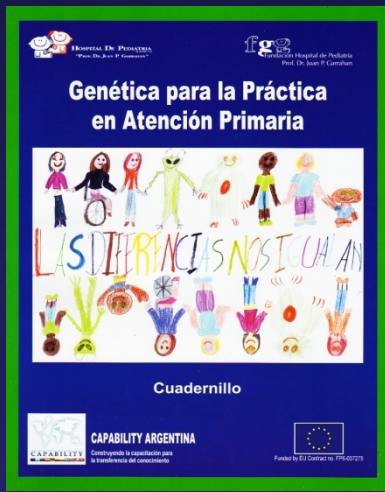
Aimed at:

All members of the health care team that work in primary care, including: non-medical personnel: nurses, physical therapists, clinical psychologists, health care agents, midwives.

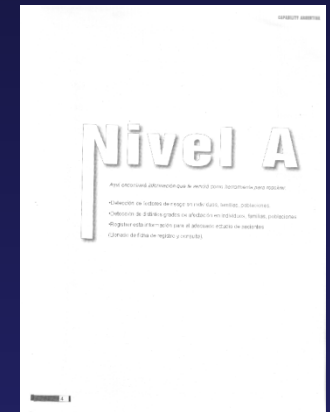
Objectives:

The syllabus will be a tool to:

- Facilitate detection of risk factors in individuals, families, populations.
- Recognize affection status in individuals, families, populations.
- Register data to adequately study the patients (diagnosis, medical consult, referral, treatment, follow-up)



Level A



Contents:

- Genetic Risk Factors.
- Drawing up a family tree.
- Taking a clinical history through a systematic registration sheet.
- Exercises and answer key to draw a family tree.
- Glossary of features and dysmorphisms with photos of patients: photos of the local population will serve as examples to make recognition easier
- Description of physical examination.

Chart: Personal and familial antecedents

Sanitary Zone:	Area:	Health care professional:	
Patient name and surname:		Age:	Date:
Date of birth:	Home Address & Phone:		
Risk factors:			
Pedigree /Family tree:			

PERINATAL HISTORY:	
Mode of Delivery: Vaginal..... Caesarean Section..... Gestational age:..... week.	
APGAR Score:..... Immediate crying Yes.... No..... Amniotic fluid: Clear.... Meconial.....	
Birth Weight:..... Pc..... Length..... Pc..... Head circumference: Pc.....	
Discharge on 2nd/3rd day: Yes.... No.... (If more days, state reason).....	
Complications in Newborn Period.....	
Jaundice: Yes.... No.... Treatment.....	Heart murmur: Si.... No....
Oxygen therapy: Yes.... No....	Hernias: Si.... No....
Nasogastric tube: Yes.... No....	Malformations: Si.... No.... (Specify)
Umbilical cord fall off:..... days	.....
Hypoglycemia: Yes.... No....	.....
Hypotonia: Yes.... No....	Others:
Neonatal screening:.....	.....

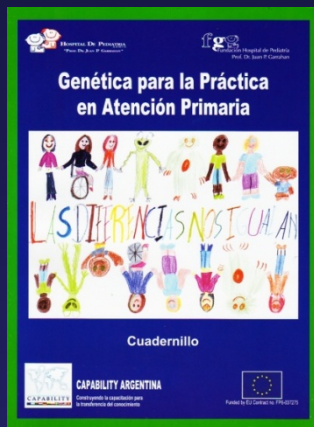
PREGNANCY		
Duration of Pregnancy		
Date of last menstruation:.....		
Prenatal Controls: Yes.... No.... How many?.....		
Ultrasound: Yes.... No.... How many?.....		
Normal..... Abnormal findings (explain).....		
Fetal Movement Noted At		
Normal: Yes.... No.... Decreased: Yes.... No....		
Uterine contractions, vaginal bleeding or vaginal leakage of fluid) SI.... NO.... When?		
Diabetes: Yes.... No.... Onset.....		
Others (e.g. Hypertension).....		
During the pregnancy the mother had		
Fever?	Yes	No
.....	.....	In what month?.....
X Rays performed?	.....	In what month?.....
Infections, rash, or other illnesses?	.....	In what month?.....
Medication?	.....	Which?.....
Prenatal vitamins?	.....	Which?.....
Folic Acid?	.....	Since what month?.....
Alcoholic beverages	.....	What month?.....
Smoke	.....	How many cigarettes/day?.....
Results of blood analysis:		
VDRL.....	CHAGAS.....	TOXOPLASMOSIS.....
HIV.....	AgS HBV.....	Others.....
Other important data:		
.....		
.....		

GOWTH AND DEVELOPMENT			
Weigh:..... pc..... Length:..... pc..... Head circumference:..... pc.....			
Height of both parents if the child is over 2 years old and has low stature.....			
Head circumference of both parents if the child has head circumference > or < 2 SD.....			
Developmental History: At what age did the child			
Smile?.....	Lift Head?.....	Roll over?.....	Sat without support?.....
Crawl?.....	Stand without support?.....	Walk?.....	First Word?.....
Current Language?.....	Sphinder control?.....	Start school?.....	Menarche?.....
Had at any moment:			
Afebrile seizures: Yes.... No....			
Learning problems: Yes.... No....		Behaviour disorders: Yes.... No....	
Hospital admissions: Yes.... No.... (State cause).....			
Surgeries: Yes.... No.... (State cause).....			
Previous Evaluations (e.g. imaging studies, EEG, Lab studies)			
.....			
.....			
.....			

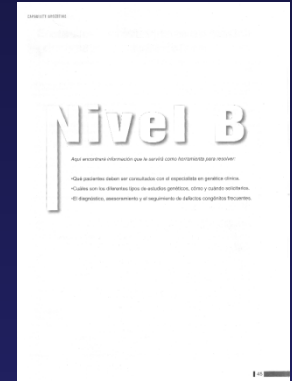
Chart: physical examination

Head
Forehead
Eyes
Eyelashes & eyebrows
Nose
Philtrum:
Mouth, Palate, teeth
Chin, jaw
Ears:
Neck:
Chest / Lungs
Nipples:
Heart
Abdomen
Spine/Back
Genitalia:
Anus:
Arms:
Hands:
Legs:
Feet:
Joints:
Skin:
Neurological-Developmental age:
Muscle mass and tone:
Nutritional status
Main health problems of the patient:
.....
Risk factors and significant antecedents:
.....
Action plan
Name and surname of the physician Signature:..... Stamp:.....





Level B

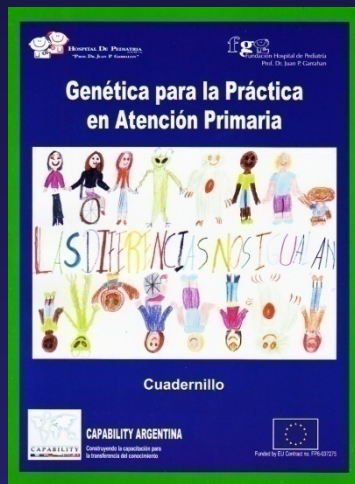


Aimed at: All medical professionals working in primary care

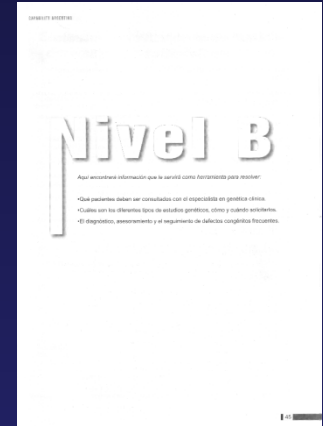
Objectives:

The syllabus will be a tool to:

- Assist in the diagnosis. Counseling, and follow-up of frequent congenital defects in the first levels of patient care
- Identify which patients should be referred to a clinical geneticist.
- Differentiate genetic studies that may be beneficial for the patients, how to access, and when to request them.

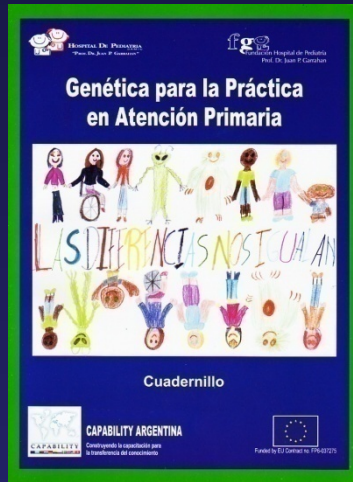


Level B

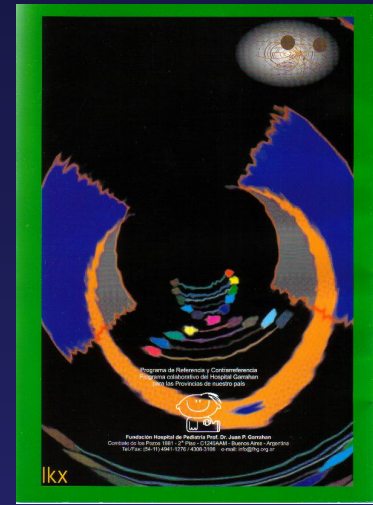


Contents:

- Criteria of referral and medical consultation at genetic services.
- Identification of emergency situations in clinical genetics.
- Dysmorphisms: major, minor anomalies and variations of normality, clinical importance of detection.
- Etiopathogenic mechanisms of congenital defects. Patterns of inheritance.
- Types of genetic studies: criteria of request and reach of the studies. Sample taking and shipment.
- Exercises and answer key.



Syllabus



- Access to the genetic medical literature is difficult in Chaco and the surrounding areas.
- The syllabus is also useful as an easy textbook in Spanish

Web site

Allows for continuous training of health care professionals anywhere in the country

Updates in genetics

On-line consultation for primary care professionals

CAPABILITY Argentina

JORNADAS CAPABILITY Argentina:
Publicado el 9 de Abril de 2008 por [Webmaster](#)

Provincia de Chaco:
Zona Sanitaria V

FECHA: 16, 17 y 18 de Abril de 2008.

Destinatarios:

Personal integrante del equipo de salud que tenga como área de trabajo: APS; y relación con defectos congénitos: Hospitales, Puestos Sanitarios, Centros de Salud Periféricos.

Incluye personal médico: Médicos Clínicos, Médicos de Familia; Neonatólogos, Pediatras, Tocoginecólogos.

Incluye a otros integrantes del equipo de salud: Enfermeros, Obstétricas, Psicólogos Clínicos, Puericultores, Agentes Sanitarios.

[Más Información](#)

EQUIPO CAPABILITY Argentina

INGRESO USUARIOS

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[CAPABILITY Net](#)

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[Webmail](#)

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Puede encontrar en este sitio archivos distintos formatos, por ello incluimos vínculos que lo llevarán a los sitios donde puede obtener los programas necesarios.

CAPABILITY:
Publicado el 24 de Marzo de 2008 por [Webmaster](#)

Construyendo la capacitación para la transferencia del conocimiento Genética para la Práctica y la Prevención

CAPABILITY es un modelo de proyecto desarrollado conjuntamente por expertos de Alemania, Reino Unido, Suecia; y que han invitado a participar a países en vías de desarrollo: Argentina, Egipto y Sudáfrica. Con el fin de integrar elementos de genética para la atención primaria y la prevención de defectos congénitos.

En Argentina, se ha elegido la provincia del Chaco, para realizar la experiencia piloto de capacitación a los integrantes del equipo de salud.

Este proyecto está organizado y financiado por la Unión Europea; y cuenta con la autorización del Ministerio de Salud de la Nación y del Ministerio de Salud Pública del Gobierno de la Provincia del Chaco.

Perspectiva: que el modelo se reproduzca en otras áreas del país.

EQUIPO CAPABILITY Argentina

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Web site

www.capabilityargentina.com.ar

Activation March 2008

Updates until December 2009

The web page has restricted access through a password
Aimed at: Health care professionals.

Objectives:

The web page should be a means of medium- and long-term capacity building for health care professionals that work in any part of the country

The web page should be a means of update of genetics in primary care

The web page should allow for fast links with geneticists for medical consultation

Home page.

Registration (for the general public) and promotion of symposia

Third page.

• FORUM.

Medical consultation with specialists

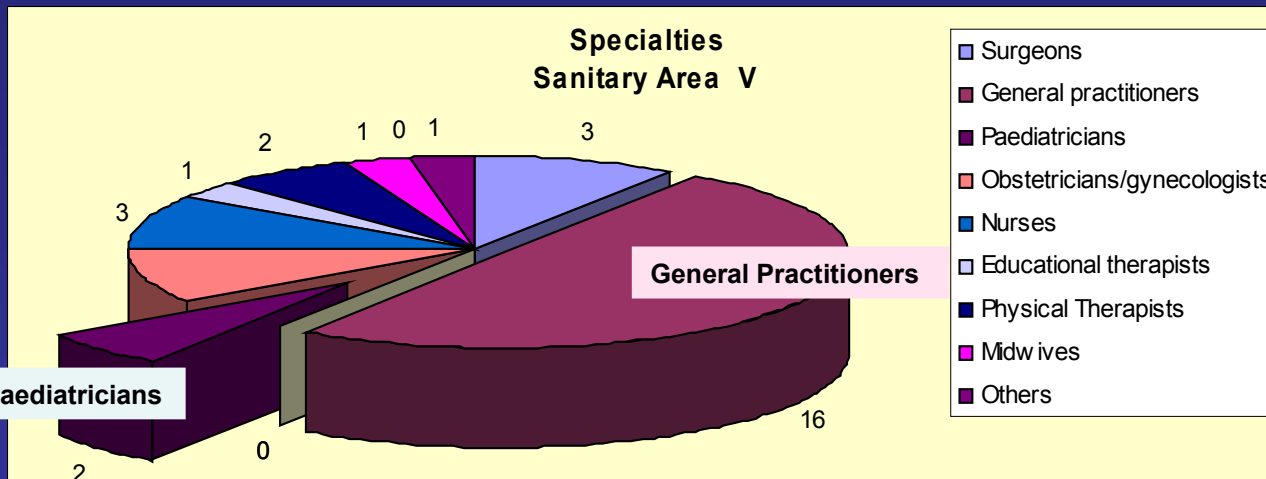
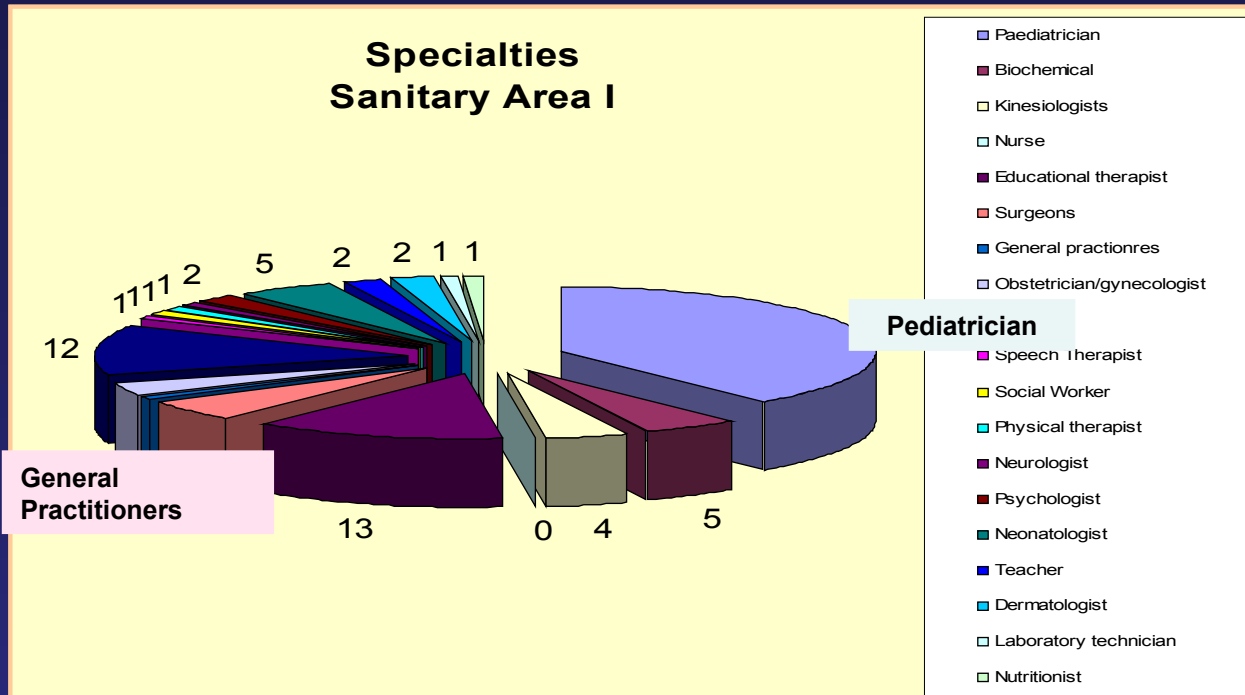
Second page.

- CONTINUOUS Education: File library of PowerPoint presentations in PDF, interviews with experts, results of teleconferences
- Links with data bases
- Novelities (news on CAPABILITY ARGENTINA from the media)

Before the Workshops Questionnaire Results

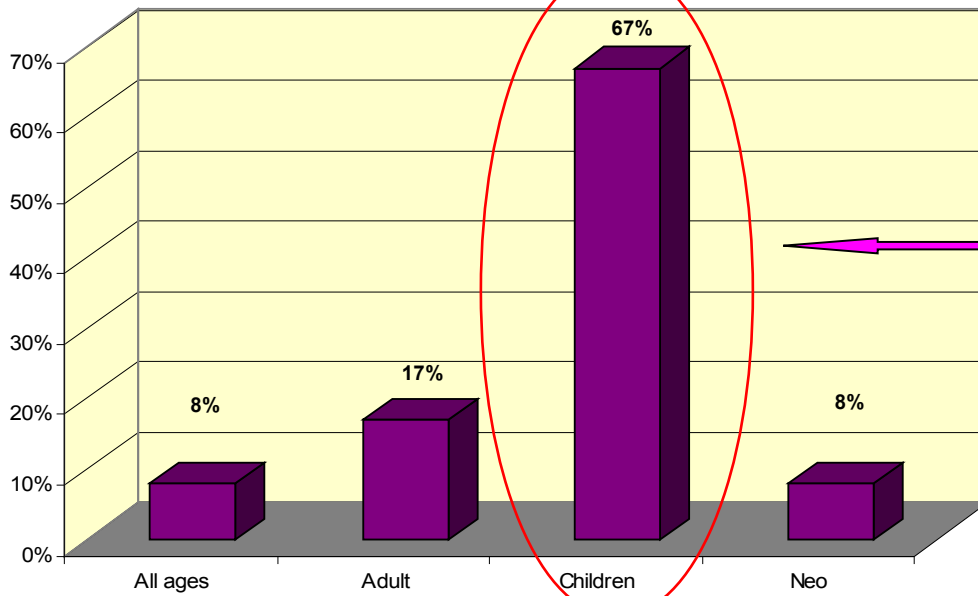
Only part of the human resources of each zone filled out the questionnaires

Specialties

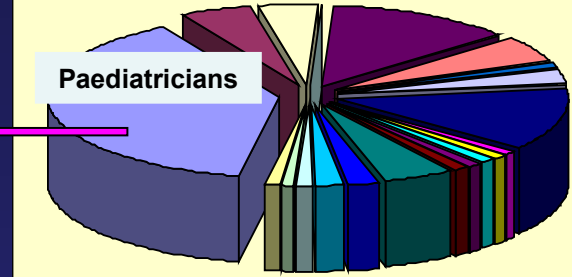


It is important to consider that there were only two pediatricians in Sanitary Area V (this modifies patient age group and possibility of interconsultation)

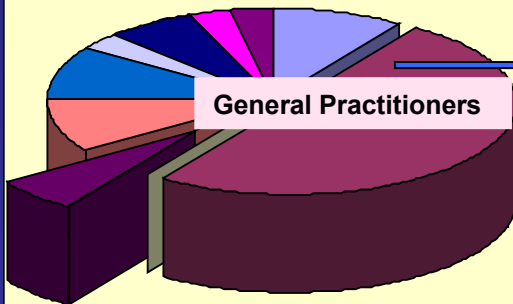
Age Groups at Consultation: Sanitary Area I



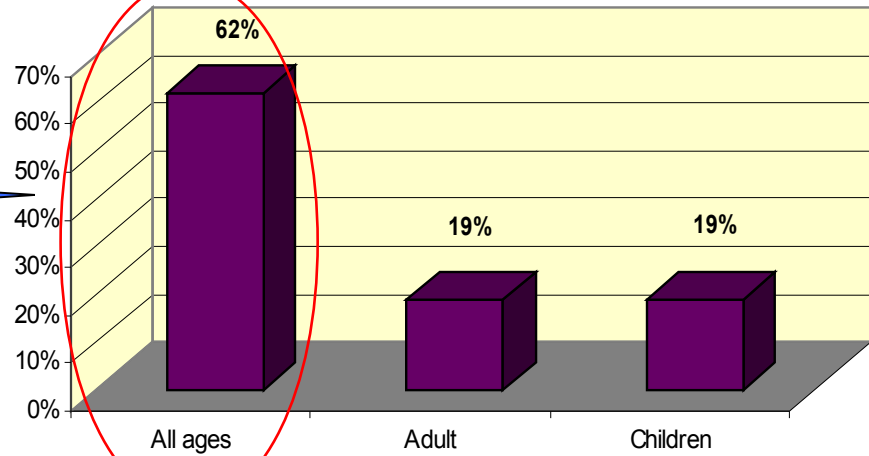
Specialties
Sanitary Area I



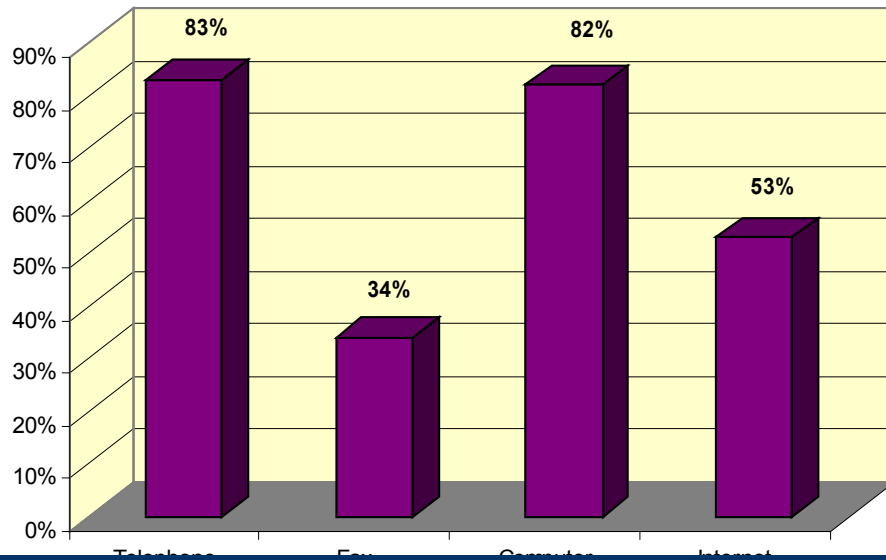
Specialties
Sanitary Area V



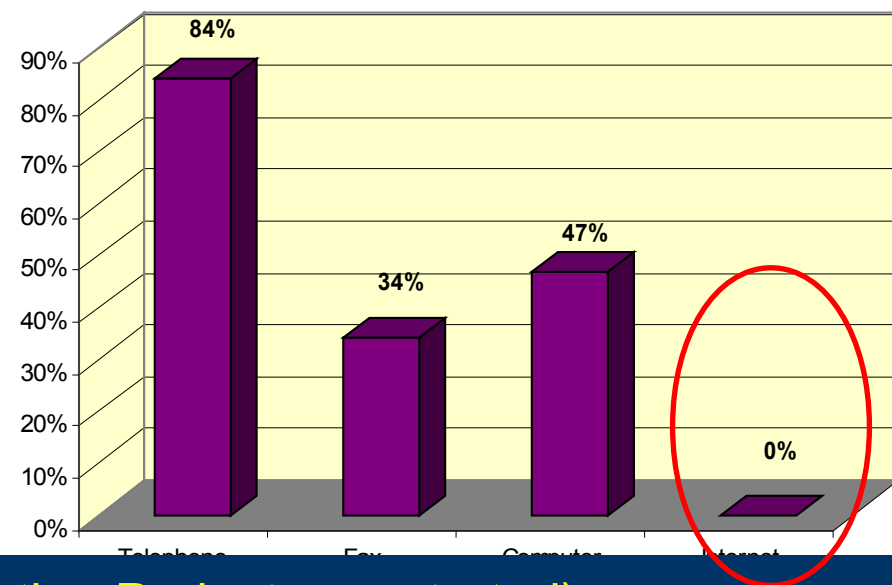
Age Groups at Consultation: Sanitary Area V



Availability of Means of Communication: Sanitary Area I



Availability of Means of Communication: Sanitary Area V



In Sanitary Zone V: (Where the Demonstration Project was started)

All institutions lacked Internet connections.

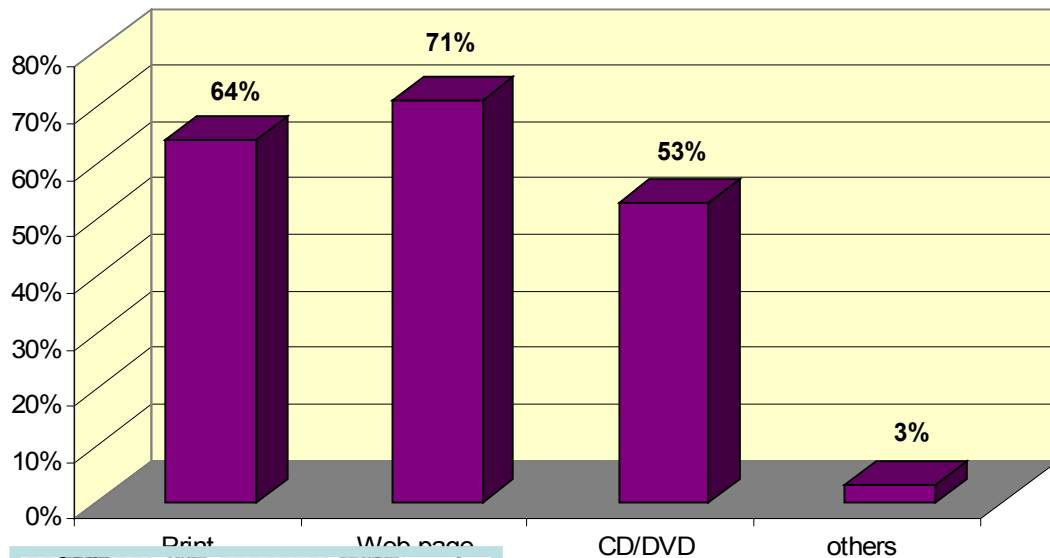
Web page access was limited to the home of only a few professionals.

Only 47% of the health centers had a PC.

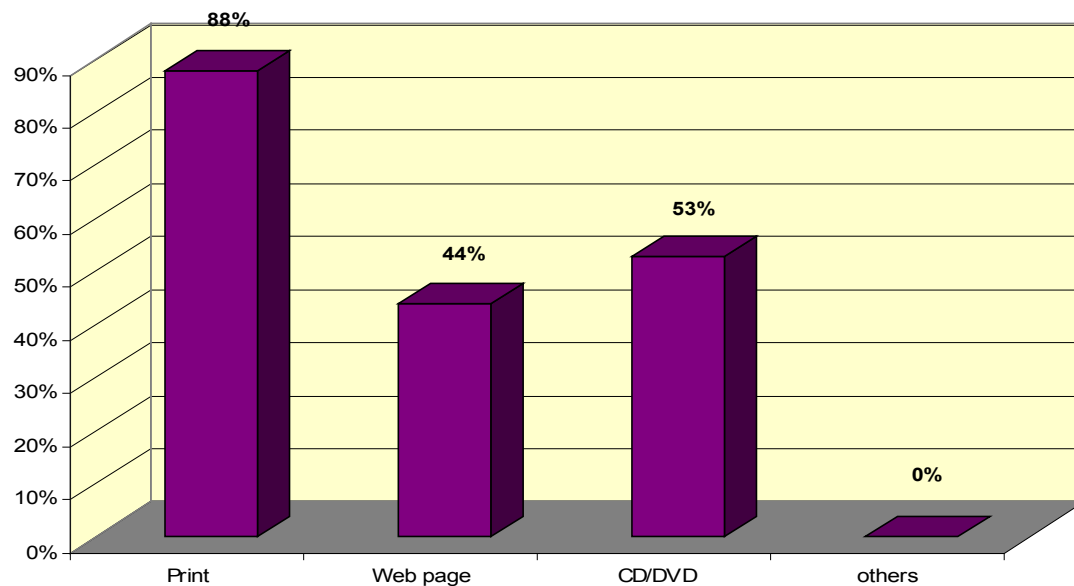
Study materials (Syllabus) were printed for each of the pupils who also received a CD .

This implied a higher cost

PREFERENCES FOR TEACHING MATERIAL Sanitary Area I

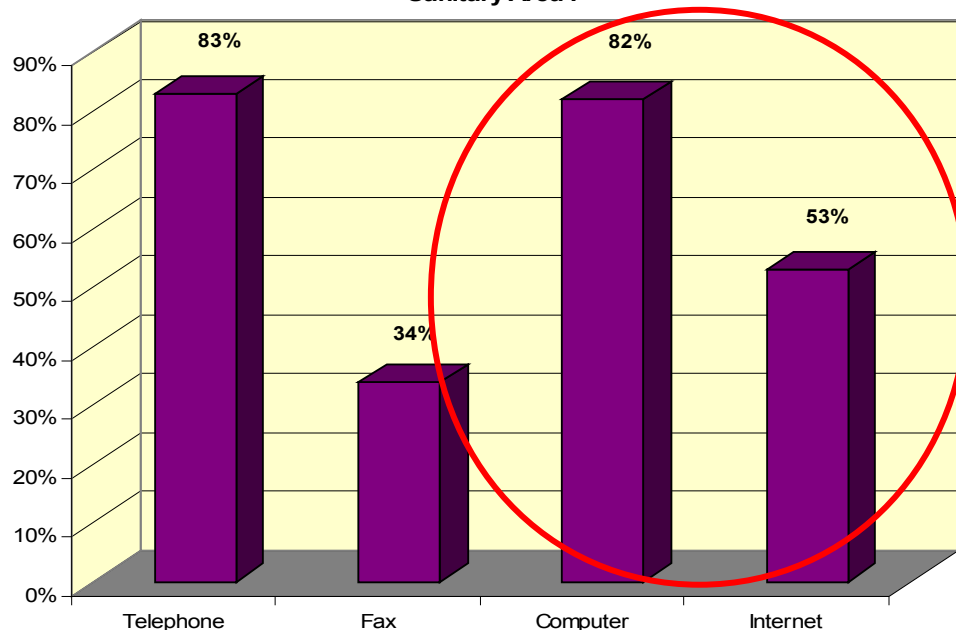


PREFERENCES FOR TEACHING MATERIAL Sanitary Area V

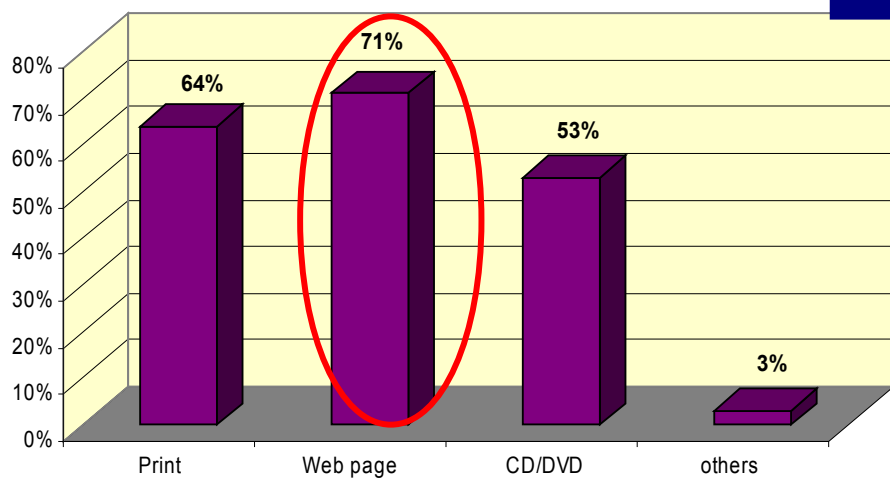




**AVAILABILITY OF MEANS OF COMMUNICATION
Sanitaria Area I**



**PREFERENCES FOR TEACHING MATERIAL
Sanitaria Area I**

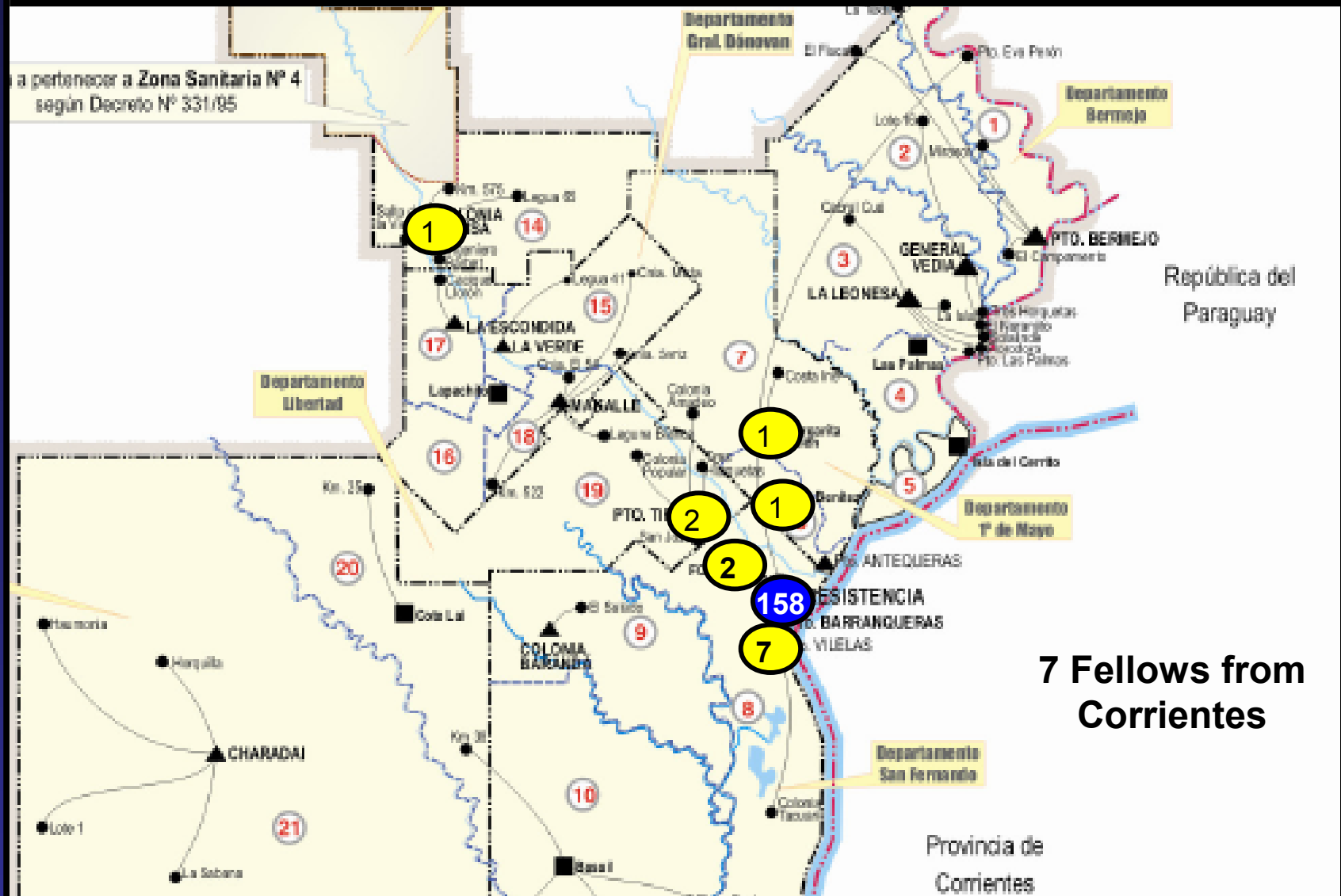


Users inscribed in the web page (from user 12 to 58) =46 users

How were the Workshops developed?

STEP BY STEP

Sanitary Area I: Population 385,754 inhabitants



791 primary care workers - Symposium: 179 Participants

Power-Point Presentations



Seminars



Initial training: Teaching Consultation



Open talks for the community, workshops for parents and for children



Media Coverage



TV



Radio



Newspapers



Seleccionan a la provincia
Chaco aplicará el Programa de Capacitación
 Se formarán equipos de Salud Pública para atender pacientes con congénitos. Las jornadas serán el 8, 9, 10, 11 y 12 de septiembre seleccionado por el proyecto Capability para realizar la experiencia de capacitación.

La idea es integrar elementos de genética para la atención primaria y de los defectos congénitos. El 8 de septiembre se realizarán, en la Universidad Nacional, las Jornadas de Capacitación en Genética destinado al personal de salud que tenga como área de trabajo la Atención primaria y relación con congénitos.

Capability se desarrolla conjuntamente por expertos de Alemania, Reino Unido y han invitado a participar a países en vías de desarrollo, entre ellos a Argentina. El principal objetivo es la generación de atención en genética en la provincia de Chaco. La capacitación continuará con una vinculación a través del sitio web, teleconferencias de derivaciones, realizaciones de contrarreferencia y la instrucción de formadores del equipo de salud de la provincia.

Jornadas de Capacitación en Genética: Capability Argentina, Saenz Peña el 12, 13, 14 de noviembre

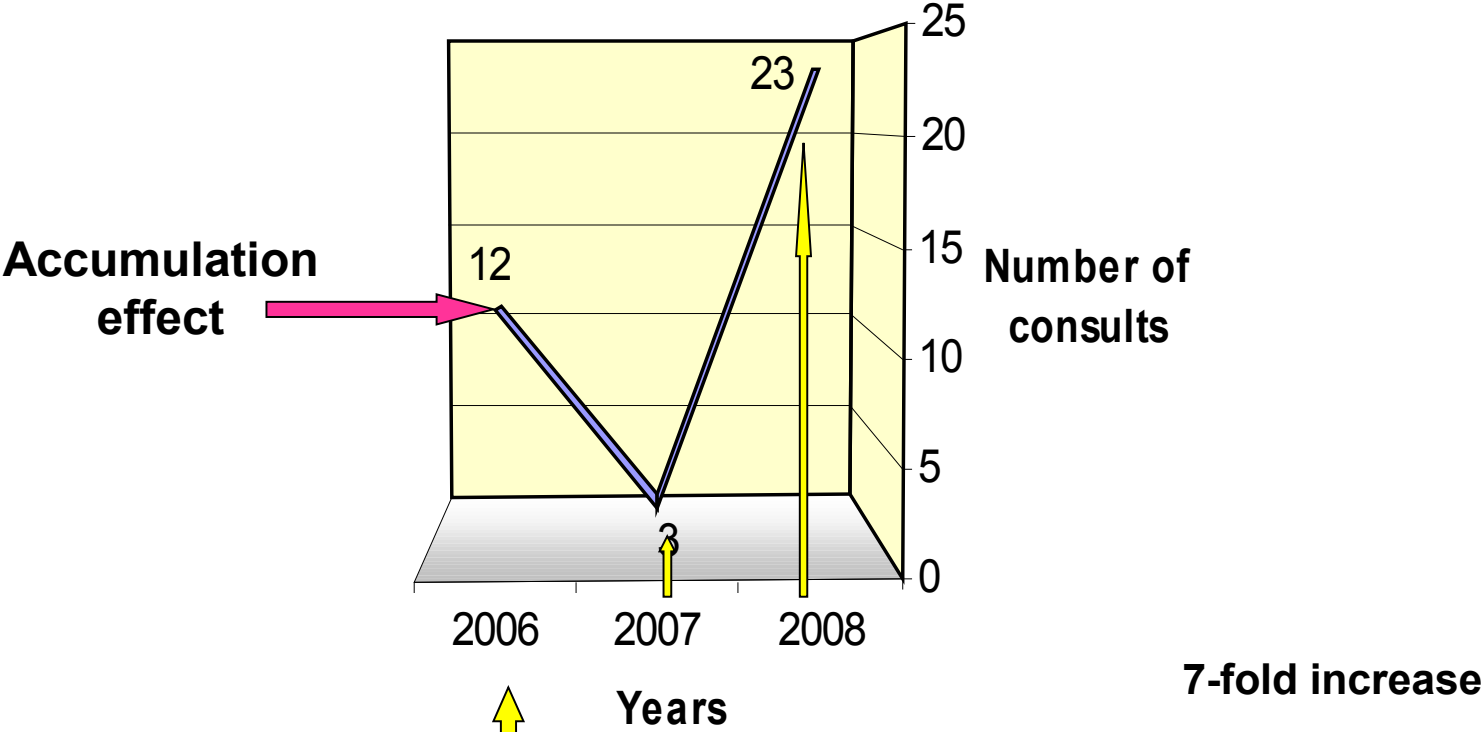
Durante los días 12, 13 y 14 de noviembre se realizará en nuestra ciudad, la gran jornada de capacitación en genética "capability Argentina destinada a personal integrante del equipo de salud que tenga como área de trabajo relación con niños con defectos congénitos. Incluye personal médico (pediatras, neonatólogos, clínicos, generalistas) y no médicos (enfermeras, psicólogos, estimuladores tempranos y kinesiólogos) así como a familiares y sociedad en general.

Las mismas se realizarán en forma de seminarios, consultorio docente, y charla abierta a la comunidad. Contará con prestigiosos genetistas entre los que se encuentra la Dra. Cristina Barroero del Hospital Garrahan de Buenos Aires. Se encargaran de la Organización de las mismas los Doctores Walter Salaman (jefe del servicio de pediatría), Carlos S. Casalboni (jefe de residentes), Cynthia Salomón (instructora de la residencia), Lucio Tedros y Marcelo Domínguez (delegados del programa en esta Ciudad) Marcelo Torres Pérez (encargado de la OCD), así como el resto del personal médico residente del Servicio de Pediatría. Se invita por este medio a personal de salud de todo el interior del Chaco y provincias limítrofes y de manera especial a familiares y sociedad en general.

Para mayor información o inscripción al curso comunicarse a los teléfonos 03722 - 429092, 0372242667 interno 145, e-mail: pediatria@ojunio@yahoo.com.ar, página Web: www.pediatria@ojunio.com.ar o directamente al Servicio de Pediatría Hospital 4 de Juno, Malvinas Argentinas 1350, Saenz Peña - Chaco. Cabe destacar que el servicio de pediatría del Hospital 4 de Juno viene organizado en lo que va del año importantes Jornadas y Eventos de Capacitación y tiene planificado continuar con las mismas en lo que va del año y se desarrollarán proyectos para el año que viene. Del mismo modo la Residencia de Pediatría participa en todas estas actividades de forma dinámica y se realizan trabajos de Investigación y Presentación de casos clínicos los cuales son presentados en Jornadas y Congresos a nivel Regional y Nacional. Así mismo se a creado una página Web siendo la primer residencia con sitio oficial en internet de la región destinada a colegas y familiares de pacientes donde se podrá consultar sobre una diversidad de temas pediátricos de interés, la dirección de la misma es www.pediatria@ojunio.com.ar.

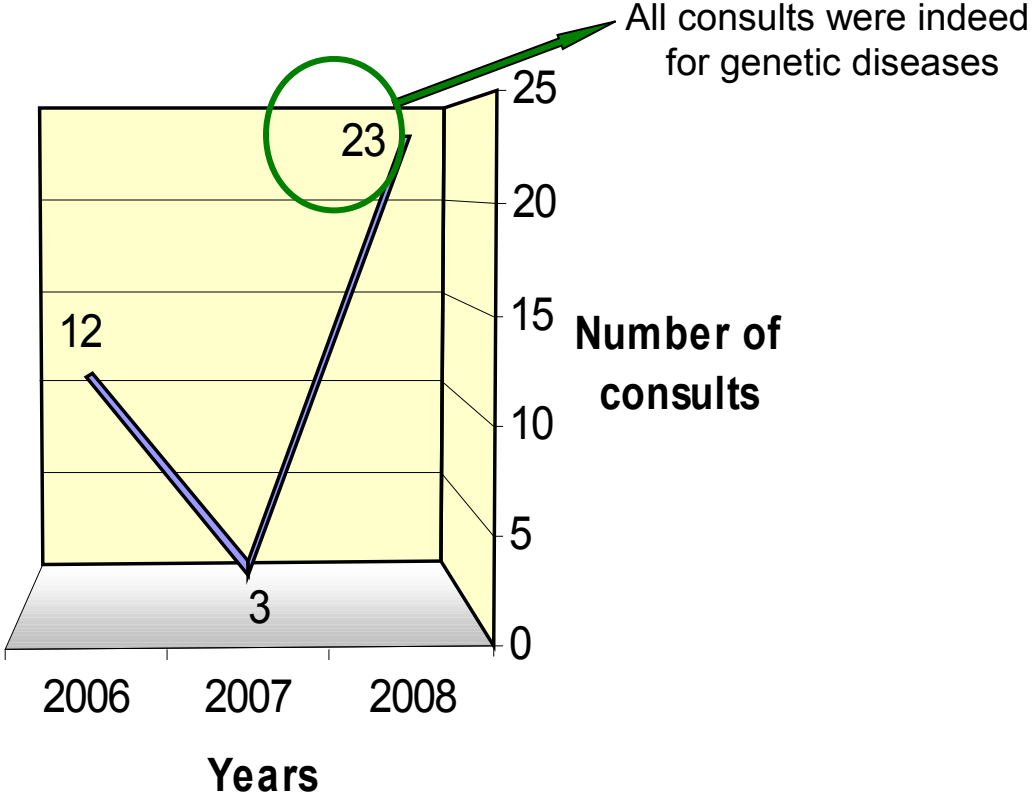
Internet

Consult Progression in Sanitary Zone V



Distance communication office opens

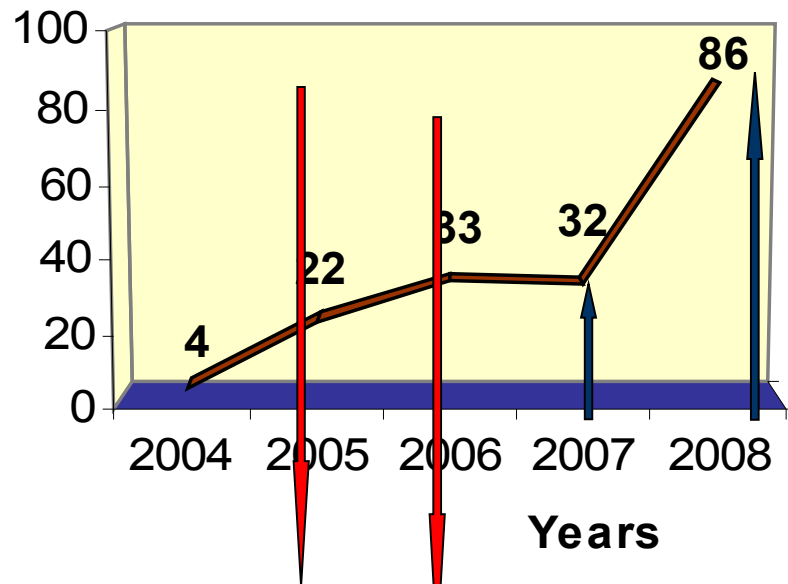
Consult Progression in Sanitary Zone V



Consult progression in Sanitary Zone I

N=177

Nearly 3-fold increase.



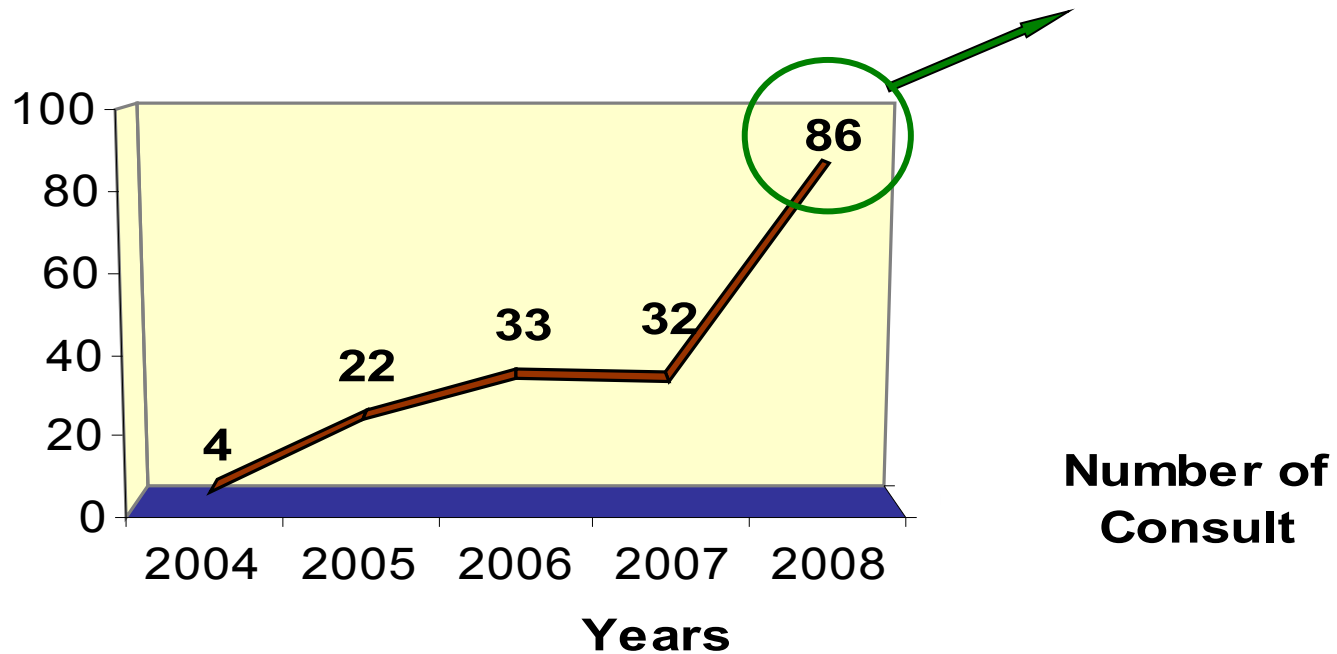
Number of
Consult

Effect: after the two pediatricians of Chaco visited our Genetic Service

Consult progression in Sanitary Zone I

N=177

All consults were indeed for genetic diseases



Patients from Chaco

Multicentric collaborative study (2006)

• Hospitals	period (M/Y)	months	Total	N°	%
• General H.BA	1/2002-12/ 2005	48	1227	4	0,33
• Garrahan Ped BA	1/2000-12/ 2004	60	6383	70	1,58
• Pediatric B.A	1/2000-12/2005	72	3782	15	0,39
• General BA	1/1997-5/2003	76	1227	0	0
• Pediatric Cordoba	1/2000-12/2005	72	2105	1	0,05
• Pediatric Mendoza	5/2003-8/2006	40	1257	1	0,08
• Pediatric Tucuman	3/2002-8/2005	40	568	0	0
• Pediatric Santa Fe	1/2001-12/2005	40	900	0	0

By June 2008, two projects had been started in the province of Chaco:

CAPACITY BUILDING of health care workers
CAPABILITY ARGENTINA
(sponsored by the European Union)

NETWORK PROTOCOL OF CYTOGENETIC LABORATORIES
to build a cytogenetic laboratory in Chaco
(Funding for the Project: S.A.M.I.C.Argentina)

Both projects are a platform for the initiation of genetic health care in Chaco:

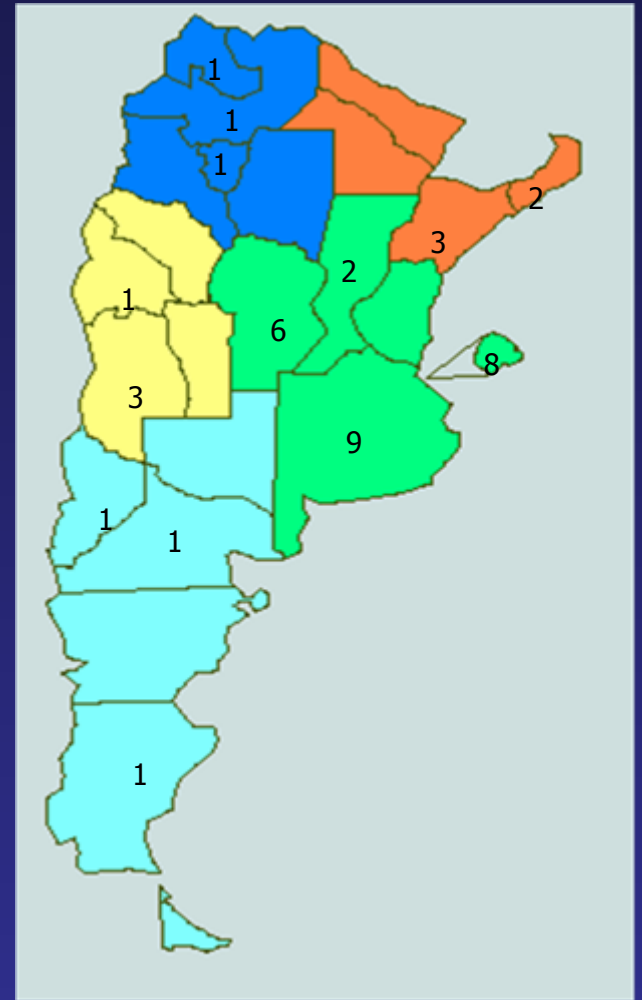
the aim is to refer to the specialized referral center in Buenos Aires (S.A. M. I .C.) only those patients and samples that cannot be resolved locally.

This project with Argentine funding will make it possible to build a laboratory in Chaco, and additional similar laboratories will be build in two other provinces in Argentina starting in 2009.

LABORATORY NETWORK



Based on Capability Chaco, the National Network of Genetics of the National Ministry of Health has chosen the 4 provinces in the North-East to implement genetic care through a medical geneticist and a cytogenetic laboratory in each.



Preliminary Conclusions

The proposed aims are being achieved

- 1) Training in genetics of **311 health workers** in 3 sanitary area. Total population 663,648 (two thirds of total population of Chaco: 1,042,881 inhabitants)
- 2) Increase of interconsultations in genetics through the DCO (increased detection of risk factors and identification of dysmorphisms)
- 3) This increase caused a need to open a cytogenetic lab in Chaco
- 4) Because of Capability Chaco, the National Network of Genetics of the National Ministry of Health has chosen the 4 provinces in the North-East to implement a genetic care program
- 5) The syllabus and CD were distributed among professionals outside Chaco by the Garrahan Hospital Foundation
- 5) The project has been and will be presented at pediatric congresses and meetings

What remains to be done ...

Further training of professionals in Chaco

- Seminars in the remaining Sanitary Areas in 2009
- Local teachers are being trained for the training of professionals after CAPABILITY has been completed
- Training of a biochemist for the cytogenetic lab in Chaco
- Continuous updates of the Web Page

CAPABILITY Argentina



Barreiro C.



Bidondo MP



Torrado MV



Garrido J.



Teiber ML



Luna A.



Acevedo E.



Elmeaudy P.



Rodriguez J.



Deurloo J.



Corvoisier J.



De Castro F.



Gutierrez E.



Dellamea C.



Picón Cl.



Picón Ce



Torres K.



Thank you for your attention

