



## Memorandum

Date February 2, 1981

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Statistical Services Branch  
Family Planning Evaluation Division, CHPE

Subject Foreign Trip Report (AID/RSSA): U.S.-Mexico Border Survey - Mexico City, Mexico, January 19-22, 1981

To William H. Foege, M.D.  
Director, Centers for Disease Control (CDC)  
Through: Horace G. Ogden, Director  
Center for Health Promotion and Education *HGO*

## SUMMARY

- I. DATES AND PLACES OF TRAVEL
- II. PURPOSE
- III. CHIEF PERSONS CONTACTED
- IV. BACKGROUND
- V. RESULTS OF CONSULTATION
- VI. FUTURE ACTIVITIES

## SUMMARY

CDC has a contract with PAHO (No. 200-79-0942) to provide specific data from the 1979 Mexican National Survey of Family Planning and Maternal and Child Health conducted by the Coordinación del Programa Nacional de Planificación Familiar of Mexico. These data will include fertility estimates, contraceptive prevalence data, and information on levels of maternal and child health services for the 6 northern border states.

We have worked closely with Jose (Pepe) Garcia Nuñez and his staff and with Alan Keller of PAHO to develop a plan for a comprehensive collaborative monograph for the U.S.-Mexico Border based on data from the U.S.-Mexico Border Survey conducted by CDC in portions of Texas, New Mexico, Arizona, and California and portions of the data from the Mexican National Survey which is specific to the 6 northern Mexican border states.

At the request of Garcia, our Mexican counterpart, the CDC has recently provided programming and computer technical assistance and prepared a packet of 126 tables for the border area from the Mexican National Survey data. The primary purpose of our trip was to deliver these tables, discuss the data, and agree on how to proceed with preparation of a binational monograph.

As a result of our visit, we have been able to better define what specific tasks are to be done to prepare the monograph and who is responsible for each task. Further, the visit helped to straighten out some internal difficulties in Mexico related to lines of authority, control of data, and in particular who would be the Mexican representative at the U.S.-Mexico Border Health Association meeting in June 1981.

I. DATES AND PLACES OF TRAVEL

January 19-22, 1981 - Mexico City, Mexico

II. PURPOSE

- A. To present to Jose Garcia Nuñez a packet of 126 tables for the Mexican border area compiled at CDC by the Statistical Services Branch of the Family Planning Evaluation Division from tabulations of prevalence and maternal health collected as a part of the Mexican national survey, 1979
- B. To discuss with Garcia and statisticians, demographers, and programmers working on the Mexican national survey details of a few remaining technical data problems related to definitions, categorizations, and variance estimates
- C. To discuss with Garcia in detail the content of a proposed binational monograph and determine the time frame for preparation of a first draft
- D. To meet with Ir. Alan Keller and Dr. Carlos Walther Meade to inform them of the progress to date regarding CDC's technical assistance activities to produce border tabulations
- E. To meet with Dr. Juan Manuel Septien to inform him of the progress to date regarding CDC's technical assistance activities to produce border data and to seek his support to identify a Mexican representative to present the Mexican data at the U.S.-Mexico Border Health Association's annual meeting

III. CHIEF PERSONS CONTACTED

- A. Jose (Pepe) Garcia Nuñez, Jefe del Departamento de Encuestas, Jefatura de Servicios de Planificación Familiar, Instituto Mexicano del Seguro Social
- B. Alan Keller, Ph.D., PAHO
- C. Rafael Vara, Assistant to the AID Population Officer
- D. Dr. Carlos Walther Meade, Dirección General de Salud Materno Infantil y Planificación de Familiar
- E. Dr. Luis Fernando Samano Z., Sub-Director de Planeación, Dirección General de Salud Materno-Infantil y Planificación Familiar de la Secretaría de Salubridad y Asistencia

- F. Dr. Juan Manuel Septien, Director, Office of Coordinación del Programa Nacional de Planificación Familiar de Mexico
- G. Dr. Jorge Martínez Manautou, Titular de la Jefatura de Servicios de Planificación Familiar, Instituto Mexicano del Seguro Social

#### IV. BACKGROUND

At the U.S.-Mexico Border Health Association Meeting in 1978 a technical resolution was adopted supporting a collaborative effort between PAHO and U.S. and Mexican health officials to collect information along the U.S.-Mexico border needed to more precisely specify family planning and MCH policies and goals and to better allocate public resources to resolve social, economic, and health problems resulting from inadequate services. Household probability surveys on both sides of the border are being used to assess current use and needs for contraceptive and MCH services. CDC was given responsibility for conducting a survey on the U.S. side of the border and for collaborating with the Mexican government on technical aspects of the survey conducted by Mexico on their side of the border.

The U.S.-Mexico Border Survey conducted by CDC is now in its analysis stage. Preliminary results have been published by CDC in the MMWR (April 25, 1980, Volume 29, No. 16), an Advanced Report, and presented at the 1980 annual meeting of the U.S.-Mexico Border Health Association.

A nationwide Mexican survey of fertility, mortality, contraceptive use and MCH services is being used as the basic mechanism for collecting data on the Mexican side of the U.S.-Mexico border. However, the national survey lacked an adequate sample size to provide realistic estimates for the border area, so CDC has contracted PAHO to double the sample size in the northern border states to obtain adequate data to prepare an analytical report of findings relative to the objectives set forth in the U.S.-Mexico Border Health Association technical resolution of 1978.

In order to maintain communications, monitor the contract, and provide technical assistance related to the production of tabulations of data, previous trips have been made to meet with our Mexican counterparts. (See Foreign Trip Reports, November 27, 1979, February 19, 1980, and November 28, 1980.)

Additional technical assistance was provided in July when Roberto Fierro Benavides brought a data tape with the MCH data to CDC. We, with the assistance of Jerry Bailey of PAHO Washington, provided programming and computer assistance.

After the last technical assistance trip to Mexico City in October (see Foreign Trip Report, November 28, 1980), it was agreed that program and computer support would be provided to Garcia and his staff in November. Because of internal problems in the Mexican Ministry of Health Garcia and staff delayed their trip until the week of December 7. At that time Garcia

and two staff programmers, Roberto Fierro Benavides and Ricardo Cesar Aparicio Jimenez, came to CDC for a week. All the anticipated prevalence and MCH tabulations needed for the border area were produced at that time in addition to national tabulations on prevalence and contraceptive continuation rates.

In the interim between the completion of the computer work at CDC in December and the January 19, 1981 trip to Mexico City, the Statistical Services Branch staff of the Family Planning Evaluation Division produced a packet containing the following:

1. Twenty-seven tables of information from the prevalence data set for the 6 northern Mexican states
2. Twenty-seven tables of information from the prevalence data for the border strip (8 municipalities adjacent to the border)
3. Thirty-six tables of information on maternal data from the maternal data set for the 6 northern Mexican states
4. Thirty-six tables of information from the maternal data set for the border strip

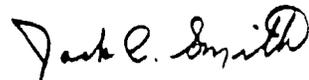
#### V. RESULTS OF CONSULTATION

- A. We had a very productive meeting with Septien. Garcia and Vara accompanied us to the meeting. Garcia presented and discussed in some detail the packet of 126 tables we had prepared at CDC. Septien continued to be supportive of the effort to produce a binational monograph of data for the border area and indicated his strong support for Garcia and his staff to continue their work. He also suggested that Garcia handle the decision of who should present the data at the U.S.-Mexico Border Health Association meeting in June in Phoenix.
- B. We met with Dr. Alan Keller and Dr. Carlos Walther Meade. That meeting was also attended by Garcia. No data was presented but Keller and Walther were made aware of the packet of tables which were produced at CDC. There was discussion of the importance of the monograph and the U.S.-Mexico Border Health Association presentation. Walther was generally supportive and it was agreed that his staff would review the Mexican portion of the report and that copies of the data should become a part of his organization's library. Keller, Garcia, Warren, and Smith then had a brief meeting with Dr. Luis Fernando Samano to discuss the review process for the report.

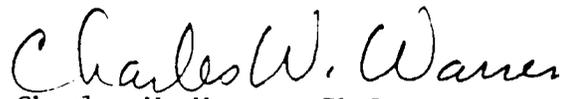
- C. We discussed with Garcia and his staff and resolved satisfactorily the technical issues that were in need of resolution (variances, border crossers, etc.).
- D. We discussed with Garcia and got concurrence from him on the content of the monograph. A draft outline of the content is attached (Attachment 1). It was agreed that he would have a few first draft of the Mexican part of the monograph in approximately 2 months and that he would come to Atlanta to discuss it with us at that time. We would in turn have a first draft of the U.S. data ready for his review. At the time of his visit we would discuss in more detail variance estimates for the border area. In the meantime we will investigate at CDC the feasibility of producing variance estimates for the border area using the SAS programming packet.
- E. We also discussed with Garcia the possibility of the preparation of a brief paper for a scientific journal (based on data which would also be included in the monograph) to be published prior to the publication of the monograph. This paper would point readers toward the more detailed monograph that would be forthcoming. Garcia was agreeable to the idea and basic work was begun with Garcia. He provided us with a table of prevalence information for the border area by individual state (Attachment 2). The prevalence of contraceptive use on the border is higher in each of the 6 states than for the nation as a whole.
- F. We met with Don Newman, Chief, Commodity Branch, Family Planning Services Division, Agency for International Development who was in Mexico City for meetings with Tom Donnelly. We informed him, in some detail, of CDC's current and past activities related to both the U.S. and Mexican surveys. We proposed that at some point in the next few months we could come to Washington to present a review of our Mexican border area activities. He suggested that it might be important to have a combined meeting of AID and OIH staff on hand for the presentation which was agreeable to us.
- G. We met briefly with Jorge Manautou to inform him of the packet of tables which were produced by CDC as a result of technical assistance which he had authorized Garcia to request.

VI. FUTURE ACTIVITIES

- A. Prepare a draft of a brief paper for publication in a scientific journal (will contain both U.S. and Mexican data) and send that draft back to Mexico for Garcia to review.
- B. Prepare a draft of the U.S. part of the monograph in time for review by Garcia at the time of his proposed visit to CDC in mid March.
- C. Investigate the feasibility of producing various estimates for the Mexican survey using the SAS packet at CDC.
- D. When the border area data has been analyzed more fully, go to Washington to make a presentation to AID and OIH regarding contraceptive prevalence, maternal health information, and fertility along the U.S.-Mexico border.



Jack C. Smith, M.S.



Charles W. Warren, Ph.D.

2 Attachments

OUTLINE OF U.S.-MEXICO BORDER MONOGRAPH

- i Preface (acknowledge sponsorship of monograph, agencies doing survey, etc.)
- ii Table of Contents
- iii Summary
- I. Introduction
  - Purpose, content, and format of monograph
  - History and purpose of respective country surveys
  -
- II. Source of Data
  - U.S.-Mexico Border Survey
    - Description (geographic area, time, size, survey population, completion rates, etc.)
  - Mexican National Survey
    - Description (geographic area, time, size, survey population, two different questionnaires, etc.)
    - Data for 6 Northern States and the border strip
      - Description (geographic area, survey population (15-44), etc.)
- III. General Description of the Survey Area
  - U.S.-Mexico Border Survey
    - Demographics (Age, ethnicity, socioeconomic, etc.)
    - Geographic (Size of Area, location of main population centers, size of cities, etc.)
    - Health Resources (Major health agencies, major health programs)
  - Mexico National Survey
    - 6 Northern States and Border Strip
      - Demographics (Age, socioeconomic, etc.)
      - Geographic (Size of Area, location of main population centers, size of cities, etc.)
      - Health Resources (Major health agencies, major health programs)

IV. Fertility

U.S.-Mexico Border

- 1) Mean children ever born
- 2) Not available
- 3) P/F ratio by marriage duration

Mexico

- 1) Mean children ever born
- 2) fertility rate
- 3) Not available

V. Family Planning

U.S.-Mexico Border

- 1) Contraceptive status by method
- 2) Source of contraception
- 3) Reasons not using (all nonusers)
- 4) (Not available)

Mexico

- 1) Contraceptive status by method
- 2) Source of contraception
- 3) Reasons not using (previous users,
- 4) Reasons for using (current users)

## VI. Maternal Health

### U.S.-Mexico Border Survey

- 1) Outcome of last pregnancy
- 2) Prenatal care
- 3) Month prenatal care began
- 4) Source of prenatal care
- 5) (Not available)
- 6) Place of delivery
- 7) Post partum exam
- 8) Not available
- 9) Ever had an abortion
- 10) Care following abortion
- 11) Source of care
- 12) Breastfeeding

### Mexico

- 1) Outcome of last pregnancy
- 2) Prenatal care
- 3) Month prenatal care began
- 4) Source of prenatal care
- 5) Source of care during delivery
- 6) Place of delivery
- 7) Post partum exam
- 8) Reason for post partum exam
- 9) Ever had an abortion
- 10) Care following abortion
- 11) Source of care
- 12) Breastfeeding

## VII. Special Topics

### U.S.-Mexico Border Survey

- 1) Smoking/alcohol
- 2) Unwantedness of last live birth
- 3) Community based distribution

### Mexico

- 1) Mortality

## VIII. Appendix

- Table of content
- Detailed tables
- Methodology & Variance

CONDICIONES DE USO DE MÉTODOS ANTICONCEPTIVOS - 1979  
(MUJERES DE 15 A 49 AÑOS DE EDAD)

Attachment 2

6 ESTADOS DE LA ZONA FRONTERIZA

	USAN MÉTODOS ANTICONCEPTIVOS		No usan métodos de las casadas y unidas	MÉTODO QUE USAN LAS MUJERES O SU COMPAÑERO						TOTAL		Pastillas		DIU		Ligadura y vasectomía		Inyecciones, preservativo, métodos locales		De todos los métodos obtienen en el IMSS	El IMSS representa del Sector Público
	Del total de Mujeres	De las casadas y unidas		Pastillas	DIU	Ligadura y vasectomía	Inyecciones, preservativo, métodos locales	Otros	Sector Público	Sector Privado	Sector Público	Sector Privado									
NACIONAL	25.31	37.91	48.01	1 R	33.11	16.11	24.11	11.81	14.91	51.51	48.51	38.01	62.01	78.51	21.51	72.11	27.91	10.11	89.91	28.41	55.11
Baja California Norte	36.9	58.0	21.8	1 R	42.8	12.2	21.8	15.7	7.4	34.3	65.7	19.3	80.7	77.7	22.3	61.1	38.9	5.6	94.4	21.9	63.8
Sonora	42.3	61.7	22.7	1 R	49.0	14.6	12.1	11.8	12.4	42.5	57.5	36.0	64.0	79.2	20.8	61.3	38.7	4.7	95.3	23.0	54.1
Nuevo León	26.7	42.2	41.3	1 R	33.2	15.5	22.3	12.7	16.3	51.4	48.6	40.4	59.6	70.1	29.9	77.6	22.4	12.5	87.5	36.0	70.0
Tamaulipas	26.1	39.9	41.3	1 R	44.2	6.4	26.9	15.7	6.8	39.5	60.5	24.3	75.7	67.2	32.8	79.1	20.9	7.0	93.0	12.9	48.6
Coahuila	30.1	45.9	39.5	1 R	39.1	10.6	33.5	8.9	7.8	63.6	36.4	26.7	73.3	89.5	10.5	88.3	11.7	18.7	81.3	44.3	69.7
Chihuahua	28.0	43.0	34.5	1 R	40.6	18.9	19.8	16.0	4.7	41.7	58.3	34.9	65.1	75.0	25.0	57.2	42.8	-	100.0	23.8	57.1
Area Metropolitana de Monterrey	28.0	46.3	36.3	1 R	31.1	18.1	24.5	11.7	14.5	51.9	48.1	35.0	65.0	70.4	29.6	76.5	23.5	17.4	82.6	38.5	74.2