



## Memorandum

Date November 15, 1982

From John E. Anderson, Chief, Demographic Analysis Section, Program Evaluation Branch, Division of Reproductive Health, Center for Health Promotion and Education

Subject Foreign Trip Report (AID/RSSA): Jamaica--Contraceptive Prevalence Survey, October 25-29, 1982

To William H. Foege, M.D., Director  
Centers for Disease Control  
Through: Carl W. Tyler, Jr., M.D.  
Acting Director, CHPE *CT/WT 11/17/82*

## SUMMARY

- I. PLACES, DATES, AND PURPOSE OF TRAVEL
- II. PRINCIPAL CONTACTS
- III. PROPOSED 1983 CONTRACEPTIVE PREVALENCE SURVEY
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## SUMMARY

A Contraceptive Prevalence Survey has been scheduled for the summer of 1983 for Jamaica. Agreement was reached on a number of points during this visit. Local costs for this survey will be funded by Westinghouse Health Systems with technical assistance provided by Westinghouse and the Program Evaluation Branch, Division of Reproductive Health, of the Centers for Disease Control. The survey director will be Professor Dorian Powell of the University of the West Indies. During this visit the content of the questionnaire, timing of the survey, sampling frames and future technical assistance was discussed. A major question remaining at the end of this visit was whether the Jamaican Department of Statistics will provide a sampling frame, or whether a frame needs to be developed specially for the survey. In collaboration with Westinghouse, CDC will provide technical assistance in the areas of questionnaire design, data processing, editing and correcting of data, analysis, and report preparation.

## II. PRINCIPAL CONTACTS

A. U.S. Agency for International Development, Kingston

1. Mr. Terry Tiffany, Director, Division of Health, Nutrition, and Population
2. Ms. Marlene Thomlinson, Health and Family Planning Specialist.
3. Ms. Francesca Nelson, Public Health Advisor.
4. Dr. Tomas Frejka, Associate, Population Council, on TDY.

B. Jamaican National Family Planning Board

1. Mr. Astor Burgess, Executive Director.
2. Ms. June Rattray, Board Secretary
3. Ms. Ellen Radlein, Chief Statistician
4. Ms. Pansy Hamilton, Director of Research
5. Mr. R. Evans

C. Ministry of Health

1. Mr. Osmond Gordon, Director, Statistics Division

D. University of the West Indies, Department of Sociology

1. Professor Dorian Powell
2. Professor Hermione Mackenzie

E. Westinghouse Health Systems

1. Dr. Lawrence Smith, Contraceptive Prevalence Survey Project Director, on TDY

III. PROPOSED 1983 CONTRACEPTIVE PREVALENCE SURVEY

My travel was timed to take place at the same time as a visit from Dr. Lawrence Smith of Westinghouse Health Systems. As planned, local costs for this survey will be financed through Westinghouse's centrally funded Contraceptive Prevalence Survey contract with AID/W. Westinghouse will provide technical assistance in a number of areas: Preparation of subcontract and budget, sample design, fieldwork. CDC will provide assistance in the areas of questionnaire design, data processing, editing of data, analysis, and report writing. This collaborative technical assistance effort will be similar to that provided to BEMFAM for the 1982 surveys in Amazonas and Piaui States, Brazil.

Throughout the week meetings were held at USAID, the National Family Planning Board, and the Ministry of Health. Tentative agreement was reached on a number of points:

1. Survey Director. The director of the survey would be Professor Dorian Powell of The Department of Sociology, University of the West Indies (UWI). Professor Powell would share her responsibilities with Professor Hermione Mackenzie.
2. Subcontracting Agency. The agency through which the survey subcontract would be awarded would be the UWI. The National Family Planning Board was also considered, but the UWI was preferred by Professor Powell, and it was felt that the board might have difficulty because staff time was heavily committed.

3. Content of Questionnaire. The basic Westinghouse questionnaire will be modified for the survey. Interest was shown at the Ministry of Health in adding to the questionnaire questions regarding child immunization and use of maternal and child health care. The Ministry is currently engaged in special studies to gather this type of information from clinic records. The addition of ICH and immunization questions to the survey would be of great value to them, since it would include a representative sample of all women, not just those using public clinics. However, there did not appear to be much support for these items at the National Family Planning Board.
4. Timing of Survey. A preliminary time schedule for the survey was prepared calling for fieldwork in July-August 1983. A draft of this is attached. A preliminary budget was also discussed, but could not be completed because of uncertainty regarding the sampling frame.
5. Sampling Frame. During the week of the visit it was not possible to determine whether the Department of Statistics would provide a sampling frame for the survey, because of the absence of Mrs. Carmen MacFarland, the Department Director. If an already prepared frame will not be made available for the survey, there are two options: (1) creating a frame by listing a set of sample enumeration districts--this was done for the 1979 Survey and is a lengthy, tedious process which should be avoided if at all possible; and (2) subcontracting with the Department of Statistics to create a special sampling frame for the survey. Some determination of the outcome of this question should be available within 1 or 2 weeks of the end of this consultation.

It was decided that Dr. Smith would return to Jamaica after about 1 month to assist in the preparation of a survey budget and signing of the subcontract. A project monitor will be assigned by Westinghouse, and CDC will be in close contact with the project monitor, USAID/Kingston and Professor Powell regarding future technical assistance.

#### IV. RECOMMENDATIONS FOR FUTURE CDC INVOLVEMENT

Since the sampling frame and methodology and field procedures have not yet been finalized, it is important that Westinghouse and CDC monitor progress in these areas so that the results can be thoroughly evaluated and compared with the 1975 WFS and the 1979 CPS. Given the three surveys, trends could be studied in contraceptive use, fertility and marriage patterns, and breastfeeding. These findings would be of great value to the family planning program, and also have great scientific interest.

Comparisons between the 1975 WFS and the 1979 CPS indicate a rather large jump in contraceptive use for currently married women 15-44, from 40 percent of women currently in union, to 55 percent. According to Table 1, this was due to a large increase in reported oral use (12 to 24 percent) and substantial increase in the use of injectables (from 6 to 11 percent). (Note: The method-specific comparisons in Table 1 are for slightly different age groups and the total proportions using are slightly different.) Whether these large increases are real or are due to differences in survey procedures needs to be studied by careful comparison of the three surveys and program data on contraceptive distribution. Jamaica is compared to 18 other WFS countries on a number of fertility related indicators in Table 2.

Because CDC will be involved in data analysis, it is important that we have continuous input in the questionnaire design phase. A suggested questionnaire will be assembled at CDC and sent to Professor Powell, for comments. While it is recognized that some questionnaire items can only be developed by Jamaicans, other technical items, such as fertility questions, need to be designed according to precise specifications. CDC will maintain close contact with Professor Powell during the questionnaire design phase, including further travel to Jamaica during the pretest (March 1983).

At present, the following seems a likely pattern for CDC involvement in the data processing and analysis stage:

- Coding and punching to take place at UWI (August-October 1983).
- Data editing and correction to take place at UWI with programs written at CDC, with CDC travel to Jamaica (October-November 1983).
- Analysis and report writing to take place in Atlanta with Professor Powell traveling to CDC for 2 weeks TDY during the period, November 1983-January 1984.

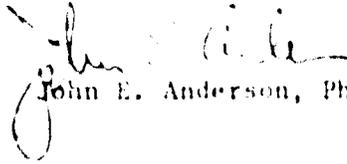
  
John E. Anderson, Ph.D.

TABLE 1

Jamaica: Proportion of Currently In Union Women Currently  
Using Selected Methods of Contraception  
1975 World Fertility Survey and 1979 Contraceptive Prevalence Survey

<u>Method</u>	<u>1975-76</u> <u>WFS</u>	<u>1979</u> <u>CPS</u>
Oral	11.9	23.8
Female Sterilization	8.1	9.8
Condom	6.6	6.5
IUD	2.0	2.0
Rhythm	0.3	0.2
Withdrawal	1.4	0.5
Injectable	6.2	11.4
Vaginal Methods	1.5	0.7
Total	38.0	54.9

Note: WFS data are for age group 15-49, CPS data for 15-44.

Source: E Carrasco, Contraceptive Practice, WFS Comparative Studies, Cross National Summaries No. 9, June 1981, Table 4.1; L. Morris et al Contraceptive Prevalence Surveys: A New Source of Family Planning Data, Population Reports, Series M, No. J, May-June 1981, Table 3.

TABLE 2

## Selected Indicators, 1: WFS Countries

	Year of Survey	TFR	Contraceptive Use a/	Pill Use	Female Steril. Use	Mean Duration Breast- Feeding b/	Median Age at 1st Union c,d/	Median Age at 1st Birth d/
Bangladesh	1976	6.1	8	2.9	0.3	26	13.1	16.5
Fiji	1974	3.9	41	8.2	15.8	-	19.5	20.9
Indonesia	1976	4.2	26	14.9	0.3	23	16.1	19.4
Jordan	1976	7.0	25	11.9	1.8	11	18.3	19.8
Korea, Rep.	1974	4.0	35	8.4	1.7	16	22.8	23.9
Malaysia	1974	4.3	33	16.2	3.4	6	20.9	22.3
Nepal	1976	6.0	2	0.4	0.1	25	15.2	19.8
Pakistan	1975	5.8	5	1.0	0.9	19	16.5	19.9
Philippines	1978	4.8	36	4.5	4.7	13	21.8	23.3
Sri Lanka	1975	3.5	32	1.5	9.2	21	23.0	24.8
Thailand	1975	4.2	33	13.7	6.3	18	20.4	22.1
Colombia	1976	4.4	43	13.3	4.0	9	20.7	21.3
Costa Rica	1976	3.5	64	22.5	12.3	5	21.7	22.2
Dom. Rep.	1975	5.3	32	7.9	11.9	8	17.9	19.8
Guyana	1975	4.3	32	9.0	8.5	5	18.4	20.4
Jamaica	1975	4.5	39	11.9	8.1	7	17.8	19.2
Mexico	1976	5.7	30	10.8	2.7	9	20.1	20.8
Panama	1975/6	4.0	54	17.0	21.2	7	19.9	21.1
Peru	1977/8	5.2	31	4.2	2.8	13	20.6	23.0

a/Current use of efficient and inefficient methods for currently married women 15-49.

b/In months

c/Including visiting unions.

d/For women 25-29 at interview

Source: WFS Comparative Studies, Cross National Summaries Nos. 7,9,11,13,15

Proposed Time Schedule  
1983 Jamaica Contraceptive Prevalence Survey

TASKS	1983												1984							
	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
Agreement signing and questionnaire development	X																			
Recruitment and training of field supervisors and interviewers		X	X																	
Pretest & finalization of questionnaire			X																	
Preparation of fieldwork documents (including final questionnaire)				X	X															
Sample selection			X	X	X															
Interviewer training						X														
Fieldwork							X	X	X											
Coding & verifying of data								X	X	X										
Creation of clean data tape for computer analysis												X								
Tabulation and analysis of data											X	X	X	X						
Presentation of preliminary findings													X							
Draft report														X	X					
Printing and finalization of report																X	X			
Audit																	X			
Final presentation of findings workshop																		X		