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LABORATORIES FOR
POPULATION STATISTICS

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Chapel Hill, N. C.
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COMPREHENSIVE SEMIANNUAL PROGRESS REPORT
to the Agency for International Development

International Program of Laboratories for Population Statistics

(POPLAB)

1 January 1978 to 30 June 1978

THIS DOCUMENT IS DRAFTED TO GIVE A COMPREHENSIVE PICTURE
OF THE ENTIRE POPLAB PROGRAM AND AT THE SAME TIME
TO SATISFY THE SPECIFIC REQUIREMENTS OF CONTRACT AID/pha/c-1114

Department of Biostatistics
School of Public Health

Carolina Population Center

The University of North Carolina at Chapel Hill
Chapel Hill, North Carolina

A. PROGRAM DIRECTION

During the period January 1 - June 30, 1978 very good progress was made on current projects in Colombia, Indonesia, the Philippines and Thailand. However, with the exception of Colombia, there were unanticipated delays within the collaborating institutions. In order to accomplish the original objectives, POPLAB developed a supplementary work plan for July 1 - September 15, 1978 and on May 4, 1978 requested authority to continue expending existing funds for this purpose. Authority to use funds for overall contract management was granted by AID to September 15, 1978.

Jeremiah M. Sullivan joined the POPLAB staff as Demographer on March 1, 1978 to culminate the recruitment effort to replace Joan W. Lingner.

Hans Krusa, Health Administrator, retired on June 30, 1978.

A basic demographic questionnaire publication prepared by the POPLAB staff was distributed in January as Manual #7. Subsequently, the staff prepared a supplement to the Manual which provides 18 detailed tables required for the various indirect analyses. This was distributed in late June.

Arjun Adlakha and Bradley Wells participated as members in meetings of the respective NAS panels on India and Methods of Data Collection during May. Adlakha was also observer at the June 1978 Bangkok meeting of the Thailand Panel of the National Academy of Sciences' Committee on Population and Demography.

B. CURRENT PROJECTS

1. Philippines

Two major analyses were carried out in Chapel Hill in collaboration with staff from the National Census and Statistics Office (NCSO) in Manila. In February, Myrna Gonzales and Marietta Alegre arrived with special tabulations and computer tapes from the 1975 census. During their two-month stay, they analyzed data on the number of children ever born, examining differentials by age, region and educational status of women. Estimates of the age specific and total fertility rates for the whole country were also made using several indirect techniques. Draft versions of two papers were produced and are currently undergoing revision.

The other major analysis utilized data from the civil registration system for 1974 and 1975. Fe Prepotente and Dolores Mortel collaborated with POPLAB staff in estimating the total fertility rates by region and by province through application of the Brass P_1+F_1 technique. Some exploratory work was also carried out on analysis of death rates by examining the distribution of reported deaths by age. The latter analysis was not formally included in the the UNC/NCSO subcontract. Two papers are currently being revised.

In addition to the travel of the four NCSO staff members mentioned above, two other NCSO personnel participated in study tours under POPLAB auspices. Eugenio Venal visited vital registration offices in Singapore, Malaysia, Hong Kong, and New Zealand. Rizalino Ricardo participated in NCHS' Applied Statistics Training Institute Course on civil registration in Denver, Colorado. Afterwards he visited registration offices in Denver, North Carolina, and San Francisco, as well as visiting POPLAB in Chapel Hill and NCHS in Washington.

Jerry Sullivan gave a one-week series of lectures and workshops in Manila on the use of selected indirect techniques. Anne Cross spent 3 weeks in Manila advising on procedures to use in a civil registration completeness test carried out in conjunction with the WFS.

In accordance with the subcontract, a list of library materials requested by the NCSO has been ordered. Finally, an electric typewriter has also been shipped to Manila.

2. Colombia

James R. Abernathy and Eliska Chanlett made two TDY visits to the project during this reporting period. The first was in late March and the other in late June. The purpose of both visits was to monitor DANE's progress in launching the nineteenth round of the Household Survey which had been expanded to a national level with inclusion of a demographic module and scheduled to take place in June, 1978.

During the first visit in March, it was ascertained that the following preparatory activities had taken place or were in process:

1. Negotiations between the MOH and DANE regarding provision of the subsample (of the Master sample) to DANE by the MOH were concluded with the signing of a formal agreement in January. During the week of 5 February a test of the data collection instrument draft was carried out and, as a result, several changes were made in the wording and sequence of questions.
2. A comprehensive Pilot Test was conducted by DANE's six regional offices in February. Six professionals from the Bogotá office traveled to the regions to observe and evaluate the exercise. Their evaluations and the critiques of the field staff were consolidated into a 12 page document which served as a basis for modifications in the training procedures, urban and rural questionnaires, and manuals.
3. The groundwork for the development of tabulation plans was completed. POPLAB Manual #7 provided the models for the "First" and "Second Priority" tables to be produced. (These tables were later modified in accordance with POPLAB Manual #7 Supplement issued in June, 1978).
4. It was recommended by the POPLAB consultants that recruitment, screening, and training for supervisors and interviewers begin earlier, be more thorough and extend over a longer period of time than first scheduled. In this, as in everything else, every effort was made to replicate the ENF (WFS) 1976 standards.
5. Adjustments to/and production of questionnaires and interviewing and supervisory manuals were successfully speeded up. Separate editing manuals were prepared for the demographic and the labor force parts of the questionnaire because different personnel were going to handle the two tasks.

The June visit was timed to coincide with field work activity and to offer assistance in this area and in future work regarding data processing and analysis. An update of progress since the March visit included the following:

1. The original schedule of activities was slightly modified in April. The chief change was made so that the interviewing for the labor force component of the survey could be both initiated and completed in June. The data collection beginning was therefore advanced by one week, with initiation on 12 June and termination on 30 June substituted for the earlier dates of 19 June to 17 July. All other projected activities were thus advanced by a few days. This appeared desirable because it leaves slightly more time for analysis. The final schedule, the one presently and henceforth being adhered to, appears on a 5' x 2.5' PERT chart drawn by DANE.

2. To coordinate field work planning, the six technical assistants from the regional field offices were brought to Bogotá for a two-day meeting in early May.
3. Training materials arrived in the regions by mid-May when the five-day training for supervisors began; the two-week interviewer training was initiated on 22 May; and, finally, three-day coding and editing training sessions were also held in May. Central office personnel participated in all these regional sessions.
4. By the last week in May the office update of the MOH segment folders was completed; the folders had been distributed to the six regional offices and, simultaneously, funds to pay field and office staff and transportation costs were transferred to the regions.
5. Over-recruitment (double the number required) paid off because there was the usual attrition. Eventually over 40 supervisors and over 130 interviewers were retained including women in both groups. Surplus interviewers are being used as editors and coders.
6. During the second UNC visit, field work was about to be completed. No untoward incidents were reported, no unexpected problems encountered. The fact that the field staff worked Saturdays and Sundays reduced the number of call backs needed. Refusals were minimal. The survey was particularly well received in rural areas and appears to be yielding novel and interesting results on rural income. A couples of segments required major updating and resegmenting with the help of the MOH. A few more had problems with a yellow fever epidemic; others with flooding; and a few with political unrest. But, all in all, there is great and general satisfaction.
7. Questionnaires in one Bogotá segment folder were examined rather carefully by the consultants. They were impressive -- thoroughly and legibly completed, well coded and edited. The editing, coding and card punching takes place in the regional offices and then the packages are sent to Bogotá where they are transferred onto tapes and the tapes will be edited during the next couple of months.
8. One set of updated segment folders is to be returned to the MOH; the other remains the property of DANE.

The tabulation plan was further refined during the visit. Over and above the 18 tables suggested by POPLAB there will be one table on interregional migration, one on international migration, and one on retrospective fertility of all at-risk women, not only ever-marrieds. "Ever-in-union" will be substituted for our "Ever-married" in every table where the latter appears. Age cut-off will be 15 years, to tally with the ENF. Tabulation will be on a "de jure" basis; all tables will be run by urban/rural and some also by region.

The three professional staff members of DIMOG feel confident that they can handle all of the fertility analyses and the direct mortality and infant mortality analyses. Even though UNC supplied them with additional readings on the orphanhood and female widowhood indirect analyses, they will welcome some assistance from UNC to carry these out. There is some concern that the number of death events will be very small, almost surely below 1,000. CELADE will probably help with the migration analyses.

3. Thailand

The work plan in the Memorandum of Agreement between UNC and the National Statistics Office (CSO) includes assistance by UNC in the analysis of the Survey of Population Change data, computation of sampling errors for vital rates and in drafting of a final report. Originally, this task was to have been completed by 30 June 1978. However, due to delays in getting the data tabulated in the CSO, the activity was continued into the month of July. This extension was authorized by AID/W.

The final report of the SPC was to have been confined to fertility and mortality results based on dual record methodology. Data on ever born and surviving children, as well as live births during the previous year were also collected in the SPC survey. They had been tabulated and it was proposed that they be analyzed during 1 July - 15 September to provide additional alternative estimates of fertility and mortality, both as an internal check on the SPC results and for comparison with other estimates.

Miss Chintana Pejaranonda was in Chapel Hill from 1 June to 8 June and Arjun Adlakha spent 14 June to 2 July in Bangkok drafting the report. The item was to go to the printer within a month. Specifically, the report contains:

- Analysis of data on children ever born from the 1975 SPC in conjunction with similar data from 1970 census for estimating age specific fertility by region and the whole Kingdom of Thailand
- Estimates of current age-specific fertility rates, using SPC data on births in the previous year by birth order and cumulative fertility (i.e., children ever born)
- Estimates of infant-child mortality from SPC data by the Brass-Sullivan technique.

4. Indonesia

The major technical assistance activity of POPLAB with Indonesia during this time period was the continuation of work on the analysis of data from the Sample Vital Registration Project (SVRP). A technician from the Indonesian Central Bureau of Statistics (CBS), Mahmudi, was in Chapel Hill analyzing the SVRP data from early December 1977 to early March 1978. A draft of the second-year SVRP report, covering the period July 1, 1975, to June 30, 1976, was completed during this time, with some sections subsequently revised following recommendations of

of the POPLAB staff and the POPLAB consultant in Jakarta, Peter Gardiner.

In mid-June, POPLAB demographers Jeremiah Sullivan and Richard Bilsborrow arrived in Jakarta for a one-month TDY visit. The second-year SVRP report had been published and was presented to POPLAB and USAID. Most tabulations necessary for the preparation of the third-year SVRP report, covering the period July 1, 1976, to June 30, 1977, were ready and the preparation of the third-year SVRP report was initiated prior to June 30, which is the ending date for the present report. Work was begun on some tables for the final SVRP report, which is to cover the entire three-year SVRP report.

Our consultant in Jakarta, Gardiner, presented the POPLAB demographers with a draft of a thorough report analyzing the KAP of Vital Registration Survey carried out by the Central Bureau of Statistics in 10 areas of Indonesia in August 1977. This report was carefully reviewed by Sullivan and Bilsborrow, who made recommendations for final revisions. The report is to be published in the fall as one of the the SVRP series of reports, and will also be synthesized in the final SVRP report.

An interest for further technical assistance by UNC was expressed by Sam Suharto of CBS during a visit to Chapel Hill in January and later in Honolulu. The same requests were voiced by CBS officials during the June TDY visit.

C. TECHNICAL DEMOGRAPHY SEMINARS

During the six-month period the POPLAB professional staff participated in the following technical seminars:

- | | |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10 January | Annie R. Cross, Demographer, POPLAB

Title: "Estimates of Age-Specific Fertility from Information on Children Ever Born in the Philippines, 1965-1975" |
| 31 January | Kevin O'Brien, Ph.D. candidate, Department of Biostatistics/UNC

Title: "Estimating Fertility Using the Brass P/F Method: Colombia, Kenya, Morocco, and the Philippines" |
| 22 February | J.M. Sehgal, Technical Demographer, the International Labour Organization, Geneva

Title: "Population Activities of the ILO" |
| 2 March | Mahmudi, Central Bureau of Statistics, Indonesia, and Steve Wilson, graduate student, Department of Biostatistics/UNC

Title: "Estimating Demographic Rates in Indonesia from the (Dual-Record) Sample Vital Registration Project" |
| 15 March
17 March
21 March
24 March | Jeremiah Sullivan, Demographer, POPLAB

Title: "Indirect Mortality Estimation Techniques: Brass, Sullivan, Trussell, Feeney, Preston, and Palloni" |
| 3 April | Myrna Gonzales and Marietta Alegre, National Census and Statistics Office, the Philippines

Title: "Estimating Fertility for the Philippines from the 1975 Census" |
| 2 May | Dolores Mortel and Fe Prepotente, National Census and Statistics Office, the Philippines

Title: "Analysis of the 1974-1975 Civil Registration Data from the Philippines" |
| 4 May | Jacques Vallin, Demographer, Institut National d'Etudes Démographiques, Paris

Title: "New Classification on the Cause of Death" |
| 5 May | Title: "Methodology of the Algerian Demographic Survey" |

D. PUBLICATIONS

During this reporting period the following items were published and distributed:

Manual Series

- No. 7 A Basic Demographic Questionnaire: Data Collection and Analyses in Sample Surveys
- No. 8 Planning the Demographic Survey Report
- Supplement to No. 7: A Basic Demographic Questionnaire: Data Collection and Analyses in Sample Surveys

Reprint Series

- No. 20 Fertility Estimation by the Own-Children Method
- No. 21 Kenya: The National Integrated Sample Survey Program; Phase I, October 1974-August 1979

POPLAB Manual #4 "Planning the Research Interview" by John Scott and Eliska Chanlett appeared in a Spanish version under the title "La Planificación de las Entrevistas" in *Estadística*, vol. XXXI, no. 118, December 1977.

Major typical bulk or multiple copy orders included:

Dr. Graeme Hugo Lembaga University Indonesia	53 copies
Mosleh Uddin Bangladesh	52 copies
Dr. A.D. Tasbar New Delhi India	65 copies
Ibrahim Setrak Baghdad Iraq	45 copies
P.P. Shastri Bombay India	62 copies
B. Leoprapai Bangkok Thailand	12 copies

Because of the anticipated termination of the contract on 30 June, there are presently no manuscripts in the editorial/publication pipeline.

ROSTER OF PERSONNEL ASSOCIATED WITH POPLAB PROGRAM

June 30, 1978

1. Full-time personnel

H. Bradley Wells	Director
Arjun Adlakha	Demographer
Carol Allison	Computer Programmer
Raymond H. Baker	Associate Director for Operations
Eliska Chanlett	Associate Director for Scientific Information
Anne R. Cross	Demographer
Chris S. Durham	Administrative Secretary
Kathy Fetter	Secretary
Sally McGhee	Secretary
Jeremiah Sullivan	Demographer
Richard Williams	Secretary

2. Part-time personnel

James Abernathy	Statistician
Richard Bilsborrow	Economist/Demographer
Jane Carver	Editor
Eleanor Ilgen	Secretary
Robert Krasowski	Computer Programmer
Hans Krusa	Health Administrator (Resigned June 30, 1978)
Stephanie Sugioka	Editorial Assistant (Resigned June 30, 1978)
Paul Pinto	Secretary
Steven Wilson	Research Assistant

3. When needed, students are utilized on an hourly basis to assist with the addressographing and mailing of publications.

International Program of Laboratories for Population Statistics
University of North Carolina at Chapel Hill

Financial Status - POPLAB Program
AID/pha-c-1114

	Budget 9/01/75 9/15/78	Encumbered & Expended 9/01/75 6/30/78	Balance Available 7/01/78 9/15/78
Salaries and Wages	899,022	839,468	59,554
Consultants	16,115	16,115	0
Fringe Benefits	113,557	104,702	8,855
Overhead	423,283	394,600	28,683
Travel and Transportation	173,065	172,967	98
Allowances	29,649	29,649	0
Other Direct Costs	132,454	124,864	7,590
Equipment and Supplies	46,106	44,310	1,796
Participant Training	34,553	34,553	0
Subcontracts*	<u>174,029</u>	<u>170,029</u>	<u>4,000</u>
TOTAL	2,041,833	1,931,257	110,576

* This contract terminates March 31, 1979. However, the extension beyond September 15, 1978 only applies to in-country costs of the Colombian subcontract.

July 1978