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**REPORT**

**WORKSHOPS ON RESEARCH METHODS IN  
REPRODUCTIVE HEALTH AND FAMILY PLANNING  
IN BANGLADESH**

**THE POPULATION COUNCIL**

**Training Program for Reproductive Health**

**and**

**Asia/Near East Operations Research  
and Technical Assistance Project**

**June, 1994**

## ACKNOWLEDGMENTS

Partial funding for each of the workshops covered in this report was provided by the Ford Foundation through the Training Program for Reproductive Health and through the Research Awards Program on Women, Reproductive Health, and Child Survival. The Population Council would like to express appreciation for the personal involvement of Dr. James Ross, Program Officer of the Ford Foundation, Dhaka, in the planning and execution of these training exercises and of the grants that made them possible.

Partial funding was also provided by the United States Agency for International Development through Contract No. DPE-3030-C-00-0022-00 for the Asia and Near East Operations Research and Technical Assistance Project. Mr. Sk. Ali Noor, Chief of the Research, Evaluation, and Monitoring Unit of the Office of Population, USAID/Dhaka, also provided valuable guidance and support for these workshops, especially regarding the choice of participants.

## SUMMARY

Between June, 1993 and March, 1994, four workshops on research methods for research in reproductive health and family planning were held in Dhaka, Bangladesh, under the sponsorship of The Population Council, jointly supported by the Training Program for Reproductive Health and the Asia/Near East Operations Research and Technical Assistance Project. This is a joint report on those four workshops.

The workshops were conducted by four different internationally selected instructors, and were on different topics, with an emphasis on qualitative methods. They trained about 16 participants each, with a general strategy of pairing participants on each of 3 computers. (All courses combined subject matter training with instructions on specific computer software.) The length of the workshops ranged from 4 to 10 days, with about 5-6 hours of instruction per day.

Training for the four courses combined was given to 63 persons from 24 different institutions, who received a total of over 1,700 person/days of instruction. With few exceptions, the participants had technical backgrounds appropriate for the levels of the courses.

The ANE OR/TA Project works through a broad network of family planning research organizations, including the Government, Non-Government Organizations, universities, and contract research firms. The Training Program works primarily through a Reproductive Health Network of five agencies. Joint sponsorship thus allowed for increasing the efficiency of instruction, while reducing costs, and also facilitated networking among the staffs of the various organizations involved.

These workshops have been regarded as valuable by the participants and their sponsoring agencies, and the full development of the training facilities and equipment at the Population Council offices should allow for increasing efficiencies in the future. The rationale for including or not including particular agencies on the family planning side, among the large number of possible participants, needs to be reviewed.

## INTRODUCTION

Between June, 1993 and March, 1994, four workshops on research methods for research in reproductive health and family planning were held under the sponsorship of The Population Council, jointly supported by the Training Program for Reproductive Health and the Asia/Near East Operations Research and Technical Assistance Project. This is a joint report on those four workshops. (Both the ANE OR/TA Project and the Training Program have conducted workshops separately, which are reported on elsewhere.) The titles of the workshops, and their dates, are as follows:

<b>Focus Group Methods</b>	June 13-17, 1993
<b>Integrating Qualitative and Quantitative Methods in Population and Health Research</b>	August 8-12, 1993
<b>Analysis of Data on the Health of Women and Children Using SPSS PC+</b>	Oct. 25 - Nov. 4, 1993
<b>Qualitative Methods in Health Research</b>	March 21 - 29, 1993

Joint sponsorship of the two projects was of interest to both projects because, while the techniques involved are generally common to both subject areas, the two projects work through largely separate research networks. Thus it was possible to increase efficiency while at the same time sharing costs. The ANE OR/TA Project benefitted additionally because the logistical and administrative arrangements were primarily managed by the Training Program for Reproductive Health.

The ANE OR/TA Project provides project support as well as technical assistance for operations research in family planning in selected countries in Asia and the Near East. In Bangladesh, family planning research is carried out by a considerable variety of agencies, including the Government, Non-Governmental Organizations, universities, private research companies, and other agencies; the ANE OR/TA Project is in touch with most of these organizations, and works more or less closely with them on various matters. The ANE OR/TA Project invited participating organizations to nominate candidates at appropriate technical levels for the workshops, who at the same time were expected to put their training to practical use in their present capacities.

The Training Program in Reproductive Health works through a Reproductive Health Network of five agencies: the Bangladesh Institute for Research and Promotion of Essential and Reproductive Health and Technologies (BIRPERHT); the Bangladesh Institute for Development Studies (BIDS); BRAC

(formerly the Bangladesh Rural Advancement Committee); the Bangladesh Women's Health Coalition (BWHC); and the International Centre for Diarrhoeal Diseases Research, Bangladesh (ICDDR,B). Its participants were drawn primarily, but not entirely, from this network.

#### STRUCTURE OF THE WORKSHOPS

These workshops aimed at approximately 16 participants, with a general strategy of pairing participants on each of 3 computers, with the two projects each sponsoring 3 participants. The length of the workshops ranged from 4 to 10 days of instruction, with generally about 5-6 hours of instruction per day. (The training rooms were open at other hours for review and practice.) Depending on the workshop, participants also received a variety of instructional materials, including manuals, journal articles, etc.

Some agencies and individuals are involved in family planning as well as health research, so in some case the choice of sponsorship was somewhat arbitrary. Hence an additional benefit of the joint sponsorship was to bring together researchers from different agencies and networks, to allow them to become better acquainted with each other's activities and capabilities.

Three of these four workshops were held in rented premises at the Sasakawa Training Centre at ICDDR,B in Dhaka. The Population Council moved its offices in November, 1993, and adequate space was available at the new facility; thus the fourth workshop, and probably any future workshops of this type, were conducted at the Council's training room. Microcomputers used for the training were bought with Training Program and Research Awards Program money, but funds for two computers and a printer were made available because the OR Project paid the full costs of the fourth workshop, allowing Training Program funds to be utilized for the purchase of two of the computers. In previous workshops, it had been necessary to rent some of the computers, at prices that were not cost-effective; present facilities and equipment should now be adequate for most future purposes.

The principal instructor for each of the four workshops was a well-known international authority in his field: Prof. Anthony Pramualratana of Mahidol University, Thailand; Prof. Ian Diamond, University of Southampton, U.K.; Dr. Alan Gray, Australian National University, Australia; and Dr. Pertti Pelto, Professor Emeritus, University of Connecticut, USA. This ensured that the participants would receive a high quality of specialized instruction otherwise not available in Dhaka, without the need for a great deal of local time and resources being put into course development. Dr. Gray's workshop, on Analysis of Data on the Health of Women and Children Using SPSS PC+, was the most recent of several workshops conducted in various places using a curriculum developed jointly by Dr. Gray and Dr. Streatfield. Use of

local co-instructors was considered, but proved difficult to implement. The international instructors generally began with a clearly developed course, which would have been difficult to coordinate with local co-instructors in advance.

Topics for the workshops were chosen by the Population Council after listening to the suggestions and requests from the networks of recipient agencies, and considering the availability of the instructors. Three of the workshops dealt primarily with qualitative methods, and their use in combination with quantitative techniques. Competence in the use of survey research and other quantitative methods is widespread in Bangladesh, whereas qualitative methods are less widely known and used.

#### **PARTICIPANTS**

Overall, 63 different trainees from 24 institutions were trained in these four workshops. Most attended a single workshop, although two attended more than one. In nearly all cases, the trainees were at appropriate technical levels for the courses; very few were either over- or under-qualified.

Cumulatively there were 26 workshop days combined; hence there were over 1,700 total trainee/days of instruction. The agencies involved were:

<u>Agency</u>	<u>No. of Participants</u>
BRAC	8*
ICDDR,B (Community Health)	6
ICDDR,B (MCH/FP Extension)	5
ICDDR,B (UHEP)	5
BIRPERHT	4
Pathfinder International	3
Social Marketing Company	3
Bangladesh Women's Health Coalition	3
Assoc. Comm. and Pop Research	3
Dhaka University	3
Family Planning Assoc. Bangladesh	2
B. Assoc. for Prev. of Septic Abortion	2
Save the Children (USA)	2*
Mitra and Associates	2
NIPORT	2
Population Council	2
Jahangirnagar University	2
Assoc. Vol. Surgical Contraception	2
The Asia Foundation	1
Development Research Centre	1
Dhaka Medical College	1
Project Development and Eval. Unit	1
CARE	1

\* One person from BRAC participated in 3 workshops, and one person from Save the Children participated in 2.

## **FUTURE DIRECTIONS**

These workshops have proven to be an appreciated and efficient means to provide instruction to young Bangladeshi researchers on topics of importance to the national family planning and health programs, and it is anticipated that the collaboration will continue. Topics proposed include: management of clinical services data; qualitative research and survey design; analysis of data on Reproductive Tract Infections and Sexually Transmitted Diseases; Report Writing in Operations Research; and Formulating Research Questions for Managers. Some changes are expected in the funding structure for the Training Program, which may result in donors other than the Ford Foundation being asked to contribute to the indirect costs of the workshops.

From the ANE OR/TA side, a problem which has yet to be satisfactorily resolved is the choice of participating institutions. For the Training Program, concentration on the five agencies in the Reproductive Health Network has a clear rationale and mandate, but for family planning the situation is more complex. The Council and USAID agree that the point of the training is to build capabilities in Bangladesh to conduct research of this type. There are four major types of agencies to be considered: (1) GOB agencies with research or evaluation responsibilities; (2) NGOs with research interests and capabilities; (3) universities; and (4) private contract research organizations. The rationale for each has separate strengths and weaknesses. The limited scope of this program does not allow for comprehensive research training for any institute. The ANE OR/TA Project has in fact supported a limited number of participants from each of a substantial number of institutions. The alternative, to concentrate more substantially on a smaller number of organizations, is attractive, but the rationale for the choice of organizations needs to be established.

## **WORKSHOP SUMMARIES**

## WORKSHOP ON FOCUS GROUP METHODS

Date: June 14-17, 1992

Instructor: Professor Anthony Pramualratana  
Institute for Population and Social Research  
Mahidol University, Bangkok, Thailand

Coordinator: Dr. Kim Streatfield, The Population Council,  
Dhaka

A research method with widespread application in the substantive areas of Women's Issues, Reproductive Health, and Child Survival is the focus group technique. This approach has been defined as "a discussion in which a small number (usually 6 to 12) of respondents, under the guidance of a moderator, talk about topics that are believed to be of special importance to the investigation". The technique can be applied either as an independent source of data, or as an adjunct to other research methods. In management terms it can be used either to obtain data directly and quickly for management decisions, or as part of a larger, generally longer-term effort to understand some aspect of one's area of responsibility.

The objective of this workshop was to enable a select group of qualified researchers to design and implement focus group studies in the areas of family planning, reproductive health, women's roles and status, and child survival.

### Workshop topics:

- \* Basic principles
- \* Sampling
- \* Moderating principles and techniques
- \* Recording and transcription of data
- \* Data analysis and report writing
- \* Method applications, strengths and weaknesses
- \* Applications in Bangladesh

Lectures, role-playing and simulated focus groups were included among techniques of instruction. Participants were taught the use of Ethnograph, a software package in widespread use for text analysis.

PARTICIPANTS

Bangladesh Rural Advancement Committee (BRAC)

Mr. Ahmed Ali, Sr. Nutritionist  
Ms. Dilruba Banu, Staff Sociologist, RED  
Dr. Zuba Mahmud, Consultant, Nutrition, Women's Health  
and Development Program

International Centre for Diarrhoeal Diseases Research,  
Bangladesh  
(ICDDR,B)

MCH-FP Extension Project

Mr. Yussuf Hassan  
Ms. Fazilatun Nessa

Urban Health Extension Project

Dr. Kanta Jamil  
Dr. Quamrun Nahar  
Ms. Sarah Salway

Community Health Division

Ms. Thamana Sharmin

The Asia Foundation

Mr. Mohammad Fariduddin, Program Officer

Pathfinder International

Mr. Saiful Islam, Program Manager

Family Planning Association of Bangladesh (FPAB)

Mr. Md. Abdus Salam, Sr. Program Officer

Social Marketing Company (SMC)

Ms. Emrana Haque, Marketing Officer  
Ms. Roseta Haque, Communications Officer  
Mr. Khalid Hasan, Asst. Manager, Research

Association for Voluntary Surgical Contraception (AVSC)

Dr. Sukanta Sarkar, Sr. Program Officer  
Dr. Samina Chowdhury, Paramedic Training Project

Bangladesh Institute of Research for Promotion of Essential &  
Reproductive Health and Technologies (BIRPERHT)

Dr. Yasmin H. Ahmed, Asst. Director, Research

# COURSE SCHEDULE

Focus Group Methods Workshop  
June 14-17, 1993  
Seminar Room  
ICCDR, B

Facilitator

Dr. Anthony Pramualratana, Institute for Population and Social Research, Mahidol University, Bangkok Thailand.

Day 1

Morning session, Introduction.

Facilitator will introduce himself and talk about his personal background and how it is related to his academic work. Participants will then introduce themselves and provide a brief personal background and how it relates to their academic or professional work. Relating personal background to your own academic or professional work is sometimes called 'reflexivity'. This will help in focus group research.

Where focus groups fit in research: Discussing the need for cross-sectional, historical and contextual information in research projects.

Assumptions of focus group research are based on an understanding of :

- \* grounded meaning
- \* contextual meaning
- \* interpretive understanding
- \* differences between logical and statistical meaning

Open discussion by participants

Afternoon session: The Stages of focus group research

A brief overview of the stages involved in conducting focus groups.

- \* objectives of the research
- \* discussion guideline
- \* target groups
- \* conducting the focus group
- \* transcribing the taped discussion
- \* reading and analyzing the transcript
- \* writing something

Open discussion by participants

## Day 2.

Morning session: The stages of focus group research, step by step.

This session will discuss in detail the stages involved in focus group research  
Arrangements of the focus group discussion before, during and after the session.

Slide presentation of focus group research

Open discussion by participants

Afternoon session: Continue discussion.

An example of emic and etic meaning from focus group research, i.e. condom use in  
low priced  
brothels.

Open coding: Definition of open coding and how to do it. A short transcript of a  
focus groups  
discussion will be distributed at this time in which participants are asked to read  
and code.

## Day 3. Introduction to the Ethnograph Program: The knitting needle method

Today's discussion will involve the use of the Ethnograph program to assist in the  
analysis of the transcripts. The demonstration will involve the use of computers.

- \*number a file
- \*code a file
- \*search a file
- \*print a file
- \*etc.

Afternoon session: Continue on the Ethnograph program.

## Day 4. Continue on the Ethnograph program

WORKSHOP ON INTEGRATING  
QUALITATIVE AND QUANTITATIVE METHODS  
IN POPULATION AND HEALTH RESEARCH

Date: August 8-12, 1993

Venue: Seminar Room I, Sasakawa Training Centre, ICDDR,B

Instructor: Professor Ian Diamond  
Dept. of Social Statistics  
University of Southampton, U.K.

Coordinator: Dr. Kim Streatfield, The Population Council,  
Dhaka

The use of individual level data collected by questionnaires has long been established as a major source of data for researchers, planners and policy makers concerned with population issues, and there has been an established set of strategies which minimize error through optimal sampling methods and through careful avoidance of non-sampling error. However, in recent years, data collected in this way have been subjected to some criticism on the ground that they lack depth, or that questions being asked were not appropriate.

The critics of questionnaires have often argued for a more qualitative approach either through the use of in-depth interviews or by focus groups. These approaches have many advantages and disadvantages not the least of which is that they are harder to carry out and to analyze.

In many situations the optimum strategy is to use a complimentary approach which integrates focus groups with a questionnaire either at the planning stage or to follow up important issues raised in the questionnaire but which need to be addressed in more depth. This workshop discussed how qualitative and quantitative methods can be integrated, with particular emphasis on the use of focus group methods, appropriately analyzed using Ethnograph software, to improve the relevance and focus of survey questions.

## PARTICIPANTS

### Bangladesh Rural Advancement Committee (BRAC)

Dr. Kaosar Afsana, Medical Officer  
Dr. Ziauddin Hyder, Sr. Staff Nutritionist

### International Centre for Diarrhoeal Diseases Research, Bangladesh (ICDDR,B)

MCH-FP Extension Project  
Mr. Ali Ashraf

Urban Health Extension Project  
Mr. Mohammad Ishaque  
Observer - Dr. Abdullah Hel Baqui

Community Health Division  
Ms. Rabeya Rowshan

Ms. Rezina Mita, Formerly with ICDDR,B

### Bangladesh Women's Health Coalition (BWHC)

Ms. Hasina Chaklader, Asst. Director, Research

### Bangladesh Association for Prevention of Septic Abortion (BAPSA)

Dr. Altaf Hossain, Research Coordinator

### Bangladesh Institute of Research for Promotion of Essential & Reproductive Health and Technologies (BIRPERHT)

Mr. Motaharul Haque, Asst. Director, IEC

### Association for Communication and Population Research (ACPR)

Mr. Jamil H. Chowdhury, Director, (Trg. and Eval.)  
Ms. Tauhida Nasrin, Deputy Director, Research

### Ministry of Health and Family Welfare (MOHFW)

Mrs. Bilkis Kabir, Documentation Officer, FP Directorate

### Save the Children, U.S.A.

Dr. Ruchira Tabassum Naved, MIR Coordinator

### Mitra and Associates

Mr. A.B. Siddique Mazumder, Deputy Director

### National Institute for Population Research and Training (NIPORT)

Mr. M.A. Rashid, Senior Research Associate

### Development Research Centre (DRC)

Mr. Zakir Hossain, Sr. Research Associate

### The World Bank

Observer - Ms. Shireen Jahangir, Consultant

## TIMETABLE

### SUNDAY 8TH AUGUST

1. LECTURE: Qualitative vs Quantitative
2. PRACTICAL: Open Ended Questions
3. LECTURE: Focus Groups

### MONDAY 9TH AUGUST

1. LECTURE: Focus groups
2. PRACTICAL: Designing a question route
3. PRACTICAL: Moderating a focus group

### TUESDAY 10TH AUGUST

1. LECTURE: Analysing a focus group
2. PRACTICAL: Coding
3. LECTURE: Ethnograph Analysis
4. PRACTICAL: Using Ethnograph

### WEDNESDAY 11TH AUGUST

1. PRACTICAL: Answering questions using ethnograph
2. LECTURE: Writing up the analysis of qualitative data
3. LECTURE: Integrating qualitative and quantitative data
4. LECTURE: Questionnaire design

### THURSDAY 12TH AUGUST

1. PRACTICAL: Questionnaire design
2. LECTURE: Sample design and survey execution
3. PRACTICAL: Obtaining a sample

**WORKSHOP ON ANALYSIS OF DATA ON  
THE HEALTH OF WOMEN AND CHILDREN  
USING SPSS/PC+**

**Date:** October 25 - November 4, 1993

**Venue:** Seminar Room I, Sasakawa Training Centre, ICDDR,B

**Instructors:** Dr. Alan Gray, Demography Department,  
Australian National University  
Dr. Kim Streatfield, The Population Council,  
Dhaka  
Dr. Sajeda Amin, The Population Council, Dhaka

This course was designed for medical and social scientists who have limited experience in research but wish to develop their skills in the analysis of quantitative survey data on social and biomedical aspects of health. Participants were given hands-on instructions on how to operate a microcomputer, write the commands and obtain the output themselves. The course was organized around a series of Notes on Data Analysis for Population and Health Research, by A. Gray, P.K. Streatfield, and C. McMurray, which had been tested in several previous workshops and is presently being revised for publication.

Actual datasets were used extensively. The first included detailed information on certain preventive health behaviors such as child immunization, use of antenatal care services, and family planning. The information on immunization included types, numbers and dates of dosages obtained, and also the mother's knowledge and attitudes about the protective functions of various vaccines, as well as detailed questions on access to health services, etc. Socioeconomic and demographic data were also included. A second dataset included more biomedical data on gestation, birthweight, APGAR score, child growth, and information on survival of the child, in addition to certain socioeconomic data. Some exercises briefly used other datasets: one with housing variables such as water quality, sanitation, etc., and another with data on contraceptive use status and reproductive health.

**Programs and Methods Used:**

Advantages and disadvantages of several data-entry software packages  
Statistical analysis with SPSS/PC+

**Method of Instruction:**

Lectures, computer-based data analysis exercises

**Course Content:**

- \* Design questionnaire appropriate for a particular research issue
- \* Identify suitable variables analysis
- \* Identify variable type (nominal, ordinal or interval)

- \* Select appropriate statistical procedures
- \* Data manipulation
- \* Univariate, bivariate and multivariate data analysis
- \* Control variables

## PARTICIPANTS

### Bangladesh Rural Advancement Committee (BRAC)

Dr. Kaosar Afsana, Medical Officer

### Bangladesh Women's Health Coalition (BWHC)

Ms. Nazma Mobarak, Research Officer

### Bangladesh Association for Prevention of Septic Abortion (BAPSA)

Ms. Suraiya Akhter

### International Centre for Diarrhoeal Diseases Research, Bangladesh (ICDDR,B)

Ms. Parveen Akhter Khanum, MCH-FP Extension Project  
Dr. Therese Juncker, Scientist  
Dr. Samuel Erny, Physician, Community Health Division

### Dhaka Medical College (DMC)

Dr. Latif Abdul Bhuiya, Asst. Professor, Community  
Medicine

### The Population Council

Dr. Sharif Md. Ismail Hossain, Consultant  
Ms. Ismat Ara Bhuiya, Consultant

### Bangladesh Institute of Research for Promotion of Essential & Reproductive Health and Technologies (BIRPERHT)

Dr. Mahbubur Rashid, Research Officer

### Development Research Centre (DRC)

Mr. Shamsul Huda, Senior Research Associate

### Dhaka University

Mr. Abu Hene Md. Mahbub-ul-Latif, Graduate Student

### Pathfinder International

Mr. Mohammad Kamrul Ahsan, Asst. Program Officer

### Mitra and Associates

Mr. S. Fuad Pasha, Deputy Director

### Association for Communication and Population Research (ACPR)

Mr. Khalilur Rahman

### Family Planning Association of Bangladesh (FPAB)

Mr. Ershadul Haque, Assistant Director

### Jahangirnagar University

Mr. Md. Moshir Rahman, Lecturer of Statistics

AGENDA FOR  
WORKSHOP ON ANALYSIS OF DATA ON THE HEALTH  
OF WOMEN AND CHILDREN  
USING SPSS/PC+

THE POPULATION COUNCIL  
OCTOBER 25 TO NOVEMBER 4, 1992  
LECTURE ROOM 1, SASAKAWA TRAINING CENTRE, ICDDR,B

Monday, October 25

08:30 - 10:00	Opening Ceremony/Introductions/ DOS
10:00 - 10:15	Tea Break
10:15 - 12:00	Data entry
12:00 - 12:15	Tea Break
12:15 - 01:30	Data Collection Techniques

Tuesday, October 26

08:30 - 10:00	Introduction to SPSS/PC+
10:00 - 10:15	Tea Break
10:15 - 12:00	SPSS/PC+ Reviews, Definition Files, System Files
12:00 - 12:15	Tea Break
12:15 - 01:30	Tutorial: Computer Exercises

Wednesday, October 27

08:30 - 10:00	Frequencies (statistics; means, median/std. dev., skewness, kurtosis)
10:00 - 10:15	Tea Break
10:15 - 12:00	Means (Options, statistics)
12:00 - 12:15	Tea Break
12:15 - 01:30	Tutorials: Computer Exercises

Thursday, October 28

08:30 - 10:00	Recodes
10:00 - 10:15	Tea Break
10:15 - 12:00	Crosstabulations
12:00 - 12:15	Tea Break
12:15 - 01:30	Tutorial: Computer Exercises

Friday, October 29

Holiday

Saturday, October 30

08:30 - 10:00	Crosstabulations tutorial
10:00 - 10:15	Tea Break
10:15 - 12:00	Crosstabulations tutorial
12:00 - 12:15	Tea Break
12:15 - 01:30	Tutorial: Computer Exercises

Sunday, October 31

08:30 - 10:00	Correlations
10:00 - 10:15	Tea Break
10:15 - 12:00	Correlations
12:00 - 12:15	Tea Break
12:15 - 01:30	Tutorial Computer Exercises

Monday, November 1

08:30 - 10:00	ONEWAY
10:00 - 10:15	Tea Break
10:15 - 12:00	ANOVA
12:00 - 12:15	Tea Break
12:15 - 01:30	Tutorial. Computer Exercises

Tuesday, November 2

08:30 - 10:00	Multiple Regression
10:00 - 10:15	Tea Break
10:15 - 12:00	Multiple Regression
12:00 - 12:15	Tea Break
12:15 - 01:30	Tutorial. Computer Exercises

Wednesday, November 3

08:30 - 10:00	Logistic Regression
10:00 - 10:15	Tea Break
10:15 - 12:00	Logistic Regression
12:00 - 12:15	Tea Break
12:15 - 01:30	Tutorial. Computer Exercises

Thursday, November 4

08:30 - 10:00	Final Session
10:00 - 10:15	Tea Break
10:15 - 12:00	Closing Ceremony
12:00 - 01:30	Closing Lunch

## WORKSHOP ON QUALITATIVE METHODS IN HEALTH RESEARCH

Date: March 21-29, 1994

Venue: The Population Council House CES(B) 21, Road 118,  
Gulshan

Instructor: Dr. Pertti Pelto, Formerly Professor of  
Anthropology, University of Connecticut, U.S.A.

Coordinator: Dr. Sajeda Amin, The Population Council, Dhaka

The workshop presented a series of qualitative methods appropriate for research in the areas of child survival, women's health issues, as well as more general community-based topics. Techniques included: key informant interviews (several formats); "illness episodes", "encounter and events", "case histories"; free-listing, pile sorts, rating/ranking and other structured interview techniques; focus group discussions; other aspects of direct observation.

Qualitative data were examined using both computerized and non-computerized techniques. Participants were given the opportunity to work with textual datasets for developing content-coding, search for basic themes, and inductive exploration of attribute matrices. Field research was carried out in a community near Dhaka in order to give form to explorations of cultural elements and alternative forms of data analysis. Workshop sessions were participatory, with introduction of research examples relevant to Bangladesh.

### Outline of Workshop

1. Introduction to "Theory of Qualitative Data" (including the concept of qualitative-quantitative integration).
2. Key informant interviewing: basic foundation for effective ethnography.
3. Structured interviews: free-listing, pile sorting, rating/ranking and other formats.
4. FIELD RESEARCH EXERCISE (SELECTED COMMUNITIES)
5. Focused Ethnographic Studies (FES): putting together a systematic research process.
6. RETURN TO FIELD SITE FOR FOLLOW-UP
7. Data Analysis: Sorting and Coding Text data.
8. Data Analysis: ANTHROPAC analysis of free-lists, pile sorting, etc.
9. Exploration of Focus Group approaches.
10. Other techniques and issues (including ethical issues).

PARTICIPANTS

Bangladesh Rural Advancement Committee (BRAC)

Dr. Kaosar Afsana  
Dr. Ziya Uddin  
Mr. Amina Mahboob  
Ms. Sabina Rashid

Jahangirnagar University

Ms. Rasheda Akhtar

National Institute for Population Research and Training  
(NIPORT)

Mr. Ahsan Alam

Population Development Evaluation Unit (PDEU)

Mr. Asaduzzaman

Bangladesh Women's Health Coalition (BWHC)

Ms. Hasina Chaklader

Pathfinder International

Dr. Moazzem Hossain

Concerned Americans for Relief Everywhere (CARE)

Ms. Raquiba Jahan

International Centre for Diarrhoeal Diseases Research,  
Bangladesh  
(ICDDR, B)

Dr. Sandra Laston  
Dr. Humaira Sareen Akhtar  
Ms. Hajera Nazrul

Dhaka University

Ms. Lazina Muna  
Ms. Nasima Sultana

Save the Children U.S.A.

Dr. Ruchira T. Naved

Bangladesh Institute of Research for Promotion of Essential &  
Reproductive Health and Technologies (BIRPERHT)

Dr. Shahida Tarek

### Workshop Schedule (9:00am to 5:00pm)

- 21/3/94 Discussions on three qualitative Methods: Participant Observation, Focus Groups, Case Study
- 22/3/94 Introduction to "Theory of Qualitative Data"  
-qualitative quantitative integration  
-inter-relating RAP, PRA, FES and other approaches  
Key informant interviewing  
Documentation  
Structured interviewing  
Direct Observation
- 23/3/94 Hartal
- 24/3/94 FIELD RESEARCH EXERCISE Mirzapur Save-the-Children, USA  
(Departure from The Population Council at 8:00am)
- 25/3/94 Weekend
- 26/3/94 Independence Day
- 27/3/94 Review of fieldwork material and note-taking  
Structured interviews: pile sorting, rating/ranking, other formats
- 28/3/94 FIELD RESEARCH EXERCISE FOLLOW-UP (Departure from The Population Council Office at 8:00am)
- 29/3/94 Data Analysis: sorting and coding text data
- 30/3/94 Data Analysis: ANTHROPAC analysis of free listing, pile sorting; GOFER for text searching.
- 30/3/94 Putting it all together: presenting qualitative data; blending qualitative and quantitative data.

**CURRICULA VITAE OF  
WORKSHOP INSTRUCTORS**

# CURRICULUM VITAE

NAME : Anthony Uramulratana

DATE OF BIRTH : July 30, 1956

PLACE OF BIRTH : London, England

## ADDRESS

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## UNDERGRADUATE EDUCATION

1978 B.A. Anthropology, Victoria University Wellington

1978 B.A. Sociology, Victoria University of Wellington

## GRADUATE EDUCATION

1979 B.A. (Honours) Sociology, Victoria University of  
Wellington.

1985 M.A. Sociology, University of Hawaii

1990 Ph.D. Demography, Australian National University  
Dissertation Topic: Old Age Support Systems in a  
Rural Community in Thailand.

## SCHOLARSHIPS

1984-1986 East-west Center Post-Graduate Scholarship  
attached to the Population Institute and the  
Department of Sociology, University of  
Hawaii.

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1987-1990 Australian National University Ph.D.  
Scholarship. Department of Demography,  
Canberra, Australia

PRESENT POSITION

Lecturer Institute for Population and Social Research  
(IPER) Mahidol University.

SELECTED ACTIVITIES PRESENTLY

Committee member, M.A. program in Applied Anthropology at  
the Institute for Population and Social  
Research.

Committee member and secretary, Ph.D. program in  
Population and Social Research, Institute for  
Population and Social Research.

Committee member and secretary, M.A. International  
Programme in Population and Social Research

Course Coordinator and Lecturer in Research Methods in  
Applied Anthropology in the M.A. Applied Anthropology  
Programme;

Lecturer: Population Studies I in the M.A. Population and  
Social Research Programme;

Lecturer in Qualitative Research Techniques in the Ph.D.  
programme in the Department of Nursing, Siriraj Hospital,  
Mahidol University

Lecturer and course co-ordinator in Behavioral and Social  
Aspects of AIDS Prevention and Control, Graduate Studies  
Division, Mahidol University.

Thesis supervision of selected students in the M.A.  
International Programme on Population  
Research and Human Reproduction; M.A. Thai  
Programme on Population and Social  
Research; M.A. Thai Programme on Applied  
Anthropology, Ph.D Programme in Nursing.

Research Experience

1991-1992

Co-investigator. Old Age Security and Fertility Project  
funded by the International Labour Organization.  
(on-going)

Co-Investigator. Behavioural Research for AIDS  
Prevention in Thailand. Funded by NIH and USAID.  
(on-going).

Co-Investigator. Determinants of Maternal Health  
Funded by USAID. (on-going)

Consultant. Developing an Integrated Population Policy  
Appropriate to Vietnam's Seven Regions. Funded by The  
International Development Research Centre (IDRC)

Consultant. WHO Workshop on Research on Reproductive  
Behaviour in 10 Asian Countries. Funded by the WHO.

Consultant. Improving the Efficiency of Educational  
Systems Project in Indonesia funded by USAID.

Consultant. Sexual Life Styles of Female Factory Workers  
in Thailand. Funded by EC

1990

Consultant. Comparative Study of the Elderly in Four  
Asian Countries, coordinated by the Population Studies  
Center, University of Michigan.

Research Associate. Short-Course Training on Women Group  
research in Vietnam on Fertility and Family Planning.  
Funded by UNFPA.

1983

Co-Investigator. Nutrition and Health Practices of Khong  
Paragees. Funded by Catholic Relief Services

Research Associate. Determinants of Fertility in  
Thailand. Project funded by UNFPA.

Research Assistant. Rural Irrigation Development and  
Fertility Decline. Project funded by UNFPA.

#### Selected Publications

1993 Sexual Behaviour of long-distance truck drivers in  
Thailand. Implications for Interventions (forthcoming)

1993 The Social Context of Condom Use in Low-Priced  
Brothels in Thailand: A qualitative analysis  
(forthcoming)

1992 Changing Roles and Statuses of Women in Thailand.  
A documentary assessment. Institute for Population and  
Social Research.

1990 Factors Affecting Women's Health in Thailand.  
Funded by the Population Council.

1980 Focus Group Research on Fertility in Thailand. ,  
Methodology and Findings in Micro-Approaches to  
Demographic Research. Ed. by J. G. Caldwell, A. G. Hall  
and Y. J. Hull.

1985 Exploring the normative bases for age at marriage  
in Thailand: an example from focus group research.  
Journal of Marriage and the Family Vol. 47, no. 1,  
February.

1985 Demographic Impacts of Rural Development Related to  
an Irrigation Project. Impact of Rural Development  
Projects on Demographic Behavior. CRIPA. Ed. by R. E.  
Hillier and P. T. Delaney.

1984 Fertility Transition in Thailand: A qualitative  
analysis. Population Development Review Vol. 10 no. 2,  
June.

1983 Focus Group Research on the Determinants of  
Fertility in Southern Thailand. Institute for Population  
and Social Research.

## CURRICULUM VITAE

**Name** Ian Diamond

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University of Southampton  
Highfield, Southampton, SO9 5NH

**Telephone**

**Date of Birth**

**Education**

1975 B.Sc (Econ) Honours. London School of Economics and Political Science.

1976 M.Sc. Statistics. London School of Economics and Political Science.

1981 Ph.D. Statistics. University of St. Andrews.

**Employment**

Oct 1978-Oct 1979  
Research Assistant, University of St. Andrews. Analysis of a survey on university performance.

Oct 1979-May 1980  
Lecturer, Department of Actuarial Mathematics and Statistics, Heriot Watt University.

May 1980-Oct 1988  
Lecturer, Department of Social Statistics, University of Southampton.

Oct 1988-March 1989  
Senior Lecturer, Department of Social Statistics, University of Southampton.

April 1989-June 1990  
Senior Research Fellow, Department of Demography, RSSS, Australian National University.

July 1990 to date  
Senior Lecturer, Department of Social Statistics, University of Southampton.

### Professional Activities

Council Member, British Society for Population Studies, 1985/86.

Honorary Secretary, British Society for Population Studies, 1986-89.

Steering Committee, Standing Conference of Arts and Social Sciences in Universities, 1985-1988.

External Examiner, London School of Economics and Political Science, 1983/84 -1986/87; London School of Hygiene and Tropical Medicine 1987/88, UN Regional Institute for Population Studies 1989-1991.

Expert Adviser, UK Council for National Academic Awards, September, 1987-1990.

Organiser, Annual Conference of British Society for Population Studies, September, 1988.

Director, Workshop on The Statistical Analysis of Fertility Data, Accra, 1988.

Research Associate, Centre for Educational Sociology, University of Edinburgh, 1989 to date.

Consultant: Overseas Development Administration; USAID; International Statistical Institute; WHO; Civil Aviation Authority; Australian National University; East West Population Institute; University of Indonesia; Alcan International; Demographic and Health Surveys.

Organiser, Statistical Demography; Population Association of America, Meetings 1989.

Member : UK Demographic Liaison Committee, 1989-1991.

Representative of Australian Vice Chancellor's Committee on DEET Study of the Demand for Academics, 1990.

Sir Robert Menzies Centre for Australian Studies Visiting Fellow, 1991.

### Publications

1978 How well prepared are our University Students? Collaborative Research No. 4, pp.23-25. (with F.C. Quinault).

1979 Beyond Highers: the transition to higher education. Collaborative Research No.6, pp.7-9. (with F.C. Quinault).

1980 First year at college: the place of practice. Collaborative Research No.7, pp.29-31. (with E. Hay).

1980 First year at college: student evaluations of their experience. Collaborative Research No.7, pp.23-25.

1980 A feasibility study of the potential for research on teaching in Scottish Central Institutions. S.E.D. Edinburgh.

- 1982 Whither Mathematics - Projections of student demand for Higher Education. Bulletin of the Institute of Mathematics and its Applications Vol.23, pp.189-192. (with T.M.F. Smith).
- 1983 The Age at which Childbearing Starts. Population Studies Vol.37, pp.256-273. (with K.E. Kiernan).
- 1983 On fitting generalised linear models with parameter constraints. GLIM Newsletter Vol.6, pp.46-50. (with J.W. McDonald).
- 1983 Population Projections for Wessex. Winchester. Wessex Regional Health Authority. (with M. Slattery and J. Bennett).
- 1984 Demand for University. Bulletin of the Institute of Mathematics and its Applications: Vol.25, pp.124-125. (with T.M.F. Smith).
- 1984 The modelling of Source Specific and Total Noise Annoyance using Source Specific Noise Measurements. Proceedings of the Institute of Acoustics, Vol.6, pp.320-328. (with P.J. Cooper, C.G. Rice and J.G. Walker).
- 1985 The Future Demand for Higher Education. (Invited Contributor) Journal of the Royal Statistical Society Series 'A' Vol.148, pp.189-194.
- 1986 Proportional Hazards Models for Current Status Data: Application to Differentials in age at Weaning in Pakistan. Demography, Vol.23, pp.607-620. (with J.W. McDonald and I. Shah).
- 1986 Incidence of Drug and Solvent Abuse among Normal 4th and 5th Year Comprehensive Schoolchildren. British Journal of Social Work Studies. Vol.16, pp.341-351. (with C. Pritchard, M. Fielding, M. Cox, N. Choudry).
- 1986 Community Disturbance from Aircraft Noise around Glasgow Airport. Proceedings of the Institute of Acoustics. Vol.3, pp.311-318. (with J.G. Walker, G.C. Richmond, J.B. Critchley).
- 1986 An International Study of the Influence of Residual Noise on Community Disturbance due to Aircraft Noise. Proceedings of Internoise Vol.13, pp.941-945. (with J.G. Walker).
- 1986 The 1986 Review of Health Resource Allocation. Health Care Management Vol.1, pp.4-11. (with M.J. Slattery).
- 1987 Models of Community Reaction to Noise from more than one source, in H. Koelega (Ed). - Environmental Annoyance : Characterisation Measurement and Control, pp.301-312. Elsevier. (with C.G. Rice).
- 1987 Studying Community Disturbance around General and Business Aviation Aerodromes. Proceedings of the Institute of Acoustics Vol.9, pp.313-319. (with J.G. Walker, J.B. Ollerhead, J.B. Critchley, S. Bradshaw).
- 1987 Lost Opportunities in the Arts and Social Sciences. Radical Statistics Newsletter, 38, pp.9-16.

- 1987 Using the Data Base Management System, SIR, to link Political Data from Viana do Castelo, 1827-1895 in P. Denley and D. Hopkin (Eds). *History and Computing*, pp.177-186. Manchester, Manchester University Press.
- 1987 The Student Number Debate. *A.U.T. Bulletin*, No.150, pp.6-7.
- 1987 The Ponderal Index of the New Born Infant, in I. Gatti (Ed). *Recent Progress in Perinatal Medicine V*, pp.151-156. (with A. Dewar, S. Clarke, T. Wheeler).
- 1987 Intra Uterine Growth Retardation - A Comparison of Screening with Human Placental Lactogen, Plasma Total Oestriol and Symphysis Fundal Height, in I. Gatti (Ed), *Recent Progress in Perinatal Medicine V*, pp.104-106. (with A.T. Letchworth).
- 1987 Drug Misuse and Truancy in Normal 4th and 5th Year Comprehensive Schoolchildren. *Maladjustment and Therapeutic Education Vol. 5*, pp.2-16. (with C. Pritchard, M. Fielding, M. Cox, N. Choudry).
- 1987 Review of 'Technical Demography' by R. Ramakumar. *Population Studies Vol. 41*, pp.523-524.
- 1988 The Incidence of Drug and Solvent Misuse among Southern English Normal Comprehensive Schoolchildren. *Public Health Vol.102*, pp.107-114. (with C. Pritchard, D. Bushnell, M. Fielding, M. Cox, N. Choudry).
- 1988 A Study of Community Disturbance Caused by General and Business Aviation Operations. London. Department of Transport. (with J.B. Ollerhead, J.G. Walker, S. Bradshaw, J.B. Critchley).
- 1988 Review of 'Life Table Techniques and their Applications' by K. Namboodiri and C. Suchindran. *Population Studies Vol.42* pp.514.
- 1988 The Changing Face of Britain. *Economic Review Vol.6 No.2*, pp.39-41.
- 1988 Multilevel Models and Deprivation Indices, in *Local Area Demography in Business and Government* pp.68-84. L.S.E., British Society for Population Studies. (with C. Garner).
- 1988 Ageing and Migration in Contemporary Britain. *Economic Review Vol.6 No. 3*, pp.38-41.
- 1988 Birth Weight Surrogates. Geneva, W.H.O. (with R. Guidotti).
- 1989 Education and Changing Numbers of Young People, in H. Joshi (Ed). *Britain's Changing Population*, pp.72-89. Oxford. Blackwells.
- 1989 The Demography of Britain's Ethnic Groups, in H. Joshi (Ed). *Britain's Changing Population*, pp.177-198. Oxford. Blackwells. (with Sue Clarke).
- 1989 Personality Profile and Affective State of Patients with Inflammatory Bowel Disease. *Gut. Vol. 30, 5*, pp. 623-626. (with D.A.F. Robertson, J. Ray, J. Guy Edwards).
- 1989 Review of 'The World Fertility Survey' by J. Cleland and C. Scott. *Journal of the Royal Statistical Society, Series 'A' Vol. 152, 1*, p.117.

- 1989 Contribution to discussion of P. Redfern 'Population Registers : Some statistical pros and cons'. *Journal of the Royal Statistical Society, Series 'A'* Vol. 152, 1, p.30.
- 1990 Noise Annoyance Models - Into the Third Age? in *Noise as a Public Health Problem*. Stockholm: SCBR, Vol. 5, pp.135-136.
- 1990 On the fitting of generalized linear models with non-negative parameter constraints. *Biometrics*, Vol. 46, pp.210-206 (with J.W. McDonald).
- 1990 Some Statistical Contributions to the Study of Health Transitions, in Caldwell J.C. (Ed). *What do we Know About Health Transitions?* pp.901-905, Canberra: ANU Press.
- 1990 Demographic Projections: Who Needs to Know? in *Population Projections: trends, methods and uses*. pp.1-23. London: OPCS (with Heather Joshi).
- 1990 Review of 'India's Historical Demography' by Tim Dyson. *Journal of the Australian Population Association*, Vol. 7, pp.80-82.
- 1990 The Uses and Users of Population Projections in Australia. *Journal of the Australian Population Association*, Vol. 7, pp.151-170 (with Habtemariam Tesfaghiorghis and Heather Joshi).
- 1990 Review of 'Analyse Démographiques des Biographies' by D. Courgeau and E. Lelièvre. *Biometrics*, Vol. 46, pp.543-544.
- 1990 Maternal Education and Child Immunisation. *Demography*, Vol. 27, pp.447-455 (with K. Streatfield and M. Singarimbun).
- 1990 A Comparison of Filshie and Hulka-Clemons Clips used in Sterilisation Operations. *Journal of Obstetrics and Gynaecology*, Vol.10, pp.251-252 (with G C Davies, A T Letchworth).
- 1991 Review of 'Distributional Aspects of Human Fertility' By W. Lutz. *Royal Statistical Society News and Notes*, Vol. 17, 10, p.14.
- 1991 The Relationship between Birth Weight, Arm and Chest Circumference in Egypt. *Journal of Tropical Paediatrics* (with R. Guidotti).
- 1991 Invited Discussant of 'Statistical Methods for the Analysis of Age Specific Rates' by Neils Keiding. *Journal of Royal Statistical Society, Series A*. Vol. 154, 396-398.
- 1991 Fertility in Africa. Voorburg: International Statistical Institute (Edited with David Holmes).
- 1991 The Prevalence of Cognitive Impairment in a Community Survey of Multiple Sclerosis. *British Journal of Clinical Psychology*, Vol. 30, 33-348, with S A McIntosh Michaelis, M H Roberts, S M Wilkinson, D L McLellan, J P Martin, A S Spackman).
- 1992 Mortality in D. Lucas (Ed.) *Beginning Population Studies* (2nd Edition) Canberra: ANU (with P. McDonald).
- 1992 Birth Interval Effects and Health Families in Brazil. *Proceedings of Demographic and Health Surveys World Conference* (with Siân Curtis, John McDonald).

- 1992 The Demographic Impact of Increased Immunisation: an Initial Assessment. Proceedings of Demographic and Health Surveys World Conference. (with K.H.W. Gaminirane, Zoë Matthews, John McDonald and Kim Streatfield).
- 1992 The Analysis of Current Status Data, in James Trussell, Richard Hankinson and Judith Tilton (Eds) Demographic Applications of Event History Analysis. Oxford: OUP (with John McDonald).
- 1992 Population Counts for Small Areas, in P. Elliott, J. Cuzick, D. English, R. Stern (Eds) Geographical and Environmental Epidemiology: Methods for Small Area Studies. Oxford: OUP.
- 1992 Review of 'Future Demographic Trends in Europe' by W. Lutz. Population Studies.
- 1992 Review of 'The Australian People' by James Jupp (Ed). Population Studies
- 1992 Fertility in Botswana: Past Trends and Future Prospects. Demography (with Naomi Rutenberg).
- 1993 Applications of Recent Developments in Event History Analysis for Historical Demography in David Rehrer and Roger Schofield (Eds) Old and New Methods in Historical Demography. Oxford: OUP.

#### Contract Reports and Working Papers

- 1982 Family of origin and educational influences on age at first birth. CPS Research Paper 82-01, London School of Hygiene and Tropical Medicine. (with K.E. Kieman).
- 1983 A classification of morbidity patterns by age and sex. Report to the Wessex Regional Health Authority, Winchester, Hants.
- 1984 A Study of the Influence of Background Noise on Annoyance Responses to Aircraft Noise, Department of Trade Report No. AC510. (with P.J. Cooper, C.G. Rice and J.G. Walker).
- 1985 A National Sample Frame. Taylor Nelson Group. (with P.J. Cooper).
- 1986 CEC Joint Study of Community Response to Aircraft Noise 1984: Main Report. DOFA Report 8601, Civil Aviation Authority, London. (with J.G. Walker, G.C. Richmond, J.B. Critchley).
- 1986 Spatial Variation in Perinatal Mortality in Gloucestershire. Cheltenham District Health Authority. (with G. Martin).
- 1986 The Influence of Residual Noise on Disturbance due to Aircraft Noise : Final Report, EEC. (with J.G. Walker).
- 1986 Environmental Impact of Noise and Vibration from Activities on the Bindon and Heath Firing Ranges, Lulworth, Dorset. Ministry of Defence. (with W.I. Acton, R. Randell, C.G. Rice, J.G. Walker).

- 1986 The Relationship between Arm and Chest Circumference and Birthweight, World Health Organisation. (with J.W. McDonald).
- 1986 Identifying Migration from Political Data, Viana do Castelo, 1827-1895. (with A. Kitts, E. Reis, D. Doulton).
- 1987 A Comparison of Tests to Predict Intra Uterine Growth Retardation - Wessex Regional Health Authority. (with A.T. Letchworth, J.A. Neale).
- 1987 Community disturbance due to Aircraft Noise around General and Business Aviation Aerodromes. Department of Transport. (with J.B. Ollerhead, J.G. Walker, S. Bradshaw).
- 1988 Research Strategy for the Development of Noise Annoyance Models. Department of the Environment. (with I. Flindell, I. Griffiths, J.B. Ollerhead, D.W. Robinson).
- 1988 Actuarial Aids Mortality Projection Models. Faculty of Actuaries. (with P.J. Cooper, A. Kitts).
- 1989 The Wake Vortex Incident Database. Civil Aviation Authority. (with P.J. Cooper).
- 1989 General Practitioner Attitudes to Hearing Aids. Knowles Electronics. (with C.G Rice, P.J. Cooper).
- 1990 An Approach to the Study of Infertility following Prior Contraceptive Use. IPDP Research Note No.147. Canberra: IPDP (with J W McDonald).
- 1990 Sleep Disturbance Due to Aircraft Noise: An Initial Evaluation. DORA, Civil Aviation Authority, London (with David Holmes).
- 1991 Fertility Trends in Botswana. USAID, Gaborone (with Naomi Rutenberg).
- 1991 Malnutrition in Ghanaian Children. Department of Social Statistics, University of Southampton, Working Paper 9101.

#### Grants and Contracts

- 1979 Teaching in Scottish Central Institutions, Scottish Education Department (£1K).
- 1981 District Census Officer, Census of England and Wales.
- 1981-1984 Regional Resource Allocation Working Party, Wessex Regional Health Authority.
- 1981-1984 Teaching for Professional Examinations (Institute of Actuaries).
- 1983 Resource Allocation, Isle of Wight District Health Authority (£2K). (with D. Holt, W. Gilks).
- 1984 Design of National Sampling Frame. Taylor Nelson Group (£2K). (with P.J. Cooper).

- 1984 Community Disturbance from Aircraft Noise around Glasgow Airport. EEC/Department of Transport (£42K). (with J.G. Walker).
- 1984 Joint Co-ordinator, EEC Survey on Community Reaction to Environmental Noise (£5K). (with J.G. Walker).
- 1985 Spatial Variation in Infant Mortality in Gloucestershire. Cheltenham District Health Authority (£1K).
- 1985 Prediction of Intra Uterine Growth Retardation. Winchester District Health Authority (£1K).
- 1985/86/87 Community Disturbance around Gunfire Ranges. Ministry of Defence (£1850). (with C.G. Rice).
- 1985/86/87 Advice on School Forecasts to parental groups and Local Education Authorities.
- 1986 Disturbance due to General and Business Aviation, Department of the Environment (£92,500). (with J.G. Walker).
- 1986/7/8/9 Appropriate Technology for Maternal Child Health, World Health Organisation (\$10000).
- 1987 Study of Wake Vortex Incidents, Civil Aviation Authority (£3K).
- 1987 Survey of Hearing Aid Referral, Knowles Electronics (£6K). (with C.G. Rice).
- 1987 Birth Interval Analysis for Mauritius, Overseas Development Administration.
- 1987 Future Strategies for Noise Annoyance Research, Department of Transport (£2.2K).
- 1988 Workshop on the Statistical Analysis of Fertility Data, International Statistical Institute. (£15K).
- 1989 Fertility and Mortality Patterns in Botswana. DHS/USAID. (US\$23K)
- 1991 Sleep Disturbance due to Aircraft Noise. Civil Aviation Authority (£25K)

#### Postgraduate Supervision

1. Thirty three M.Sc. projects.
2. Eleven Ph.D. students

## Courses Taught

### Undergraduate:

Introduction to Demography; Introduction to Statistics; Demographic Models; Third world Demography; Population Projections; Migration.

### Postgraduate:

Demography; Social Demography; Resource Allocation; Multivariate Analysis; Survival Analysis; Statistical Demography; Third World Demography.

## University Offices

President; Southampton Local Association of University Teachers. 1986/7.

Academic Vice-Chair; Athletic Union, University of Southampton. 1987/9.

Board of Advanced Studies, University of Southampton. 1987/9.

Staff Review Committee, Faculty of Social Sciences, University of Southampton. 1988/9.

Vice President; Universities Athletic Union

15

## Resumé

*Name:* Alan Noel GRAY  
*Address:* (home) [REDACTED]  
(work) Demography Program  
Research School of Social Sciences  
The Australian National University,  
GPO Box 4, Canberra ACT 2601  
*Telephone:* (home) [REDACTED]  
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*Date of birth:* [REDACTED]  
*Place of birth:* [REDACTED]  
*Citizenship:* - Australian  
*Membership of professional organizations:*  
\* Australian Institute of Aboriginal and Torres Strait Islander Studies (AIATSIS)  
\* Australian Population Association (APA)  
\* International Union for the Scientific Study of Population (IUSSP)  
\* Philippines Population Association (PPA)  
\* Population Association of America (PAA)  
\* Public Health Association (Australia) (PHA)  
*Languages:* English; Bahasa Indonesia; French (reading)

### Education

1963: New South Wales Leaving Certificate, Newcastle Boys' High School, New South Wales  
1967: Bachelor of Arts (Oriental Studies), The Australian National University.  
Majors: Bahasa Indonesia; South-East Asian Civilization  
1973: Bachelor of Arts, The Australian National University.  
Majors: Pure Mathematics; Statistics  
1983: Doctor of Philosophy, The Australian National University.  
Thesis: Australian Aboriginal Fertility in Decline

### Current Appointments:

*June 1991 to date:*  
Fellow, Demography Program, Research School of Social Sciences, The Australian National University  
*August 1991 to date:*  
Convenor, Graduate Program in Demography, The Australian National University

### Summary of previous appointments:

*November 1988 to May 1991:* Senior Research Fellow, National Centre for Epidemiology and Population Health, The Australian National University; at times Coordinator, Graduate Diploma in Population Health, and Convenor, Graduate Program in Epidemiology and Population Health

*April 1985 to November 1988:* Research Fellow, Department of Demography, Research School of Social Sciences and National Centre for Development Studies, The Australian National University

*October 1973 to April 1985:* Australian Bureau of Statistics, mostly as outposted Chief Statistical Officer in various Australian Government Departments (Immigration, Aboriginal Affairs), and finally as Secretary, inter-departmental Task Force on Aboriginal Health Statistics (1984-85)

*July 1968 to October 1973:* Department of Immigration, Statistics Section and Research Section, Demography Sub-section

### Summary of Recent Consultancies:

*1992 to date:* Analysis of Australian Aboriginal housing issues, for the National Housing Strategy (1992) and the Aboriginal and Torres Strait Islander Commission (current)

*1992 to date:* Consultant to Department of Health, Indonesia, on data systems for maternal and child health

*1989-1992:* Workshops on data analysis for aspects of population health research, for: The Population Council, Dhaka (1992); the International Statistical Institute, UNFPA and ESCAP, Bangkok (1991); the International Statistical Institute, UNFPA and the Pan-Arab Project for Child Development, Cairo (1991); Indonesian Epidemiology Network and Child Survival Project, Jakarta (1989, 1990); Urban Health Research Group and Research Centre, University of Atma Jaya, Jakarta (1990)

*1990, 1991:* Short Term Consultant, World Health Organization, working with National Institute for Health Research and Development, Indonesia (data system for a maternal and child health project, central Java)

*1990:* Consultant, Royal Commission into Aboriginal Deaths in Custody, on social indicators for the Australian Aboriginal population

*1985-1986:* Aboriginal Development Commission, on Australian Aboriginal housing programs

*1985-1988:* Australian Institute of Health, Aboriginal health statistics development

## Articles in books and refereed journals

- Gray, A. Smith, L.R. 1983, 'The size of the Aboriginal population', *Australian Aboriginal Studies*, 1983, 1: 2-9; Gray, A. 1983a, 'Aboriginal fertility at the time of European contact: the Daly River Mission baptismal register', *Aboriginal History*, 7, 1: 22-27; Gray, A. 1984a, 'Aboriginal marriage and survival', *Journal of the Australian Population Association*, 1, 1 (Autumn 1984): 18-30; Gray, A. 1985a, 'Limits for demographic parameters of Aboriginal populations in the past', *Australian Aboriginal Studies*, 1985, 1: 22-27; Gray, A. 1985b, 'Some myths in the demography of Aboriginal Australians', *Journal of the Australian Population Association*, 2, 2 (November 1985): 136-49; Gray, A. 1986a, 'Seasonal growth balance analysis for non-stable closed populations', *Population Studies*, 40, 3: 425-36; Gray, A. 1987a, 'The missing ages: adjusting for flight preference', *Asian and Pacific Population Forum*, 1, 2: 11-22; Gray, A. 1987b, 'Intermarriage: opportunity and preference', *Population Studies*, 41, 3: 365-79; Gray, A. 1987c, 'Family planning in Aboriginal communities', *Community Health Studies*, 11, 3: 165-75; Gray, A. 1988a, 'Knibbs and Wickens', *Journal of the Australian Population Association*, 5, 1: 1-14; Gray, A. 1988b, 'Aboriginal society: demographic and social history', *The Australian People: an encyclopedia of the nation, its people and their origins*: 135-140, North Ryde, Angus and Robertson; Gray, A. 1989a, 'Measuring preference for intermarriage: a response to McCaa', *Population Studies*, 43, 1: 163-6; Gray, A. 1989b, 'Aboriginal migration to the cities', *Journal of the Australian Population Association*, 6, 2: 122-44; Gray, A. 1990a, 'Aboriginal fertility: trends and prospects', *Journal of the Australian Population Association*, 7, 1: 57-77; Gray, A. 1990b, 'National estimates of Aboriginal mortality, 1981-1986', in A Gray (ed.), *A Matter of Life and Death: contemporary Aboriginal mortality*: 147-58, Canberra, Aboriginal Studies Press; Gray, A. Khalidi, N. 1990, 'A comparative analysis of Aboriginal and non-Aboriginal perinatal outcomes in the Northern Territory', in A Gray (ed.), *A Matter of Life and Death: contemporary Aboriginal mortality*: 45-56, Canberra, Aboriginal Studies Press; Gray, A. 1990c, 'Australian Aboriginal families and the health-care system', in J Caldwell, Findley, S, Caldwell, P, Broers-Freeman, D, Cosford, W, (eds.), *What We Know about Health Transition: the cultural, social and behavioural determinants of health*: Vol. 1, 378-99, Canberra, Health Transition Centre, The Australian National University; Gray, A. 1991a, 'Analysis of components of demographic change', *Mathematical Population Studies*, 3, 1: 21-38; Gray, A. 1991b, 'Discovering determinants of Australian Aboriginal population health', in Cleland, J, Hill, AG (eds.) *The Health Transition: methods and measures*: 355-79, Canberra, The Australian National University, Health Transition Centre; Gray, A, Trompf, P, Houston, S. 1991, 'The decline and rise of Aboriginal families', in Reid, J and Trompf, P (eds.) *The Health of Aboriginal Australia*: 80-122, Marnackville NSW, Harcourt Brace Jovanovich; Tesfaghiorghis, H, Gray, A. 1991, 'The demographic structure and location of the Aboriginal population: employment and migration', in J Altman (ed), *Aboriginal Employment Equity by the Year 2000*: 47-64, Canberra, Centre for Economic Policy Research, The Australian National University, for the Academy of the Social Sciences in Australia; Gray, A. 1992, 'Health and housing in Aboriginal and Torres Strait Islander communities', in J Altman (ed), *A National Survey of Indigenous Australians: options and implications*: 109-23, Canberra, Centre for Economic Policy Research, The Australian National University

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Resume: Pertti J. Pelto

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Birthplace: [REDACTED]  
Citizenship: United States of America

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E-mail (c/o Gretel H. Pelto): PELTO@WHO.CH

Education:

Washington State University	B.A.	1949	Economics
University of California, Berkeley	Ph.D.	1960	Anthropology

Teaching Positions

University of California, Berkeley	Lecturer	1960-61
Cornell University (Anthropology)	Assistant Professor	1961-63
University of Minnesota (Anthropology)	Associate Professor	1963-69
University of Connecticut (Depts. of Anthropology and Community Medicine)	Professor	1969-92
Retired from University of Connecticut Professor Emeritus		1992

Current:

Independent consultant  
University of Joensuu, Finland          Docent

Grants (Selected: past 12 years)

Area Health Education Center grant at the Department of Community Medicine, University of Connecticut Health Center. (Grant to develop medical curriculum and other health professional training in community-based sites. (with S. Schensul and J.E.C. Walker) 1981-1986

ARRIBA Crisis Intervention Research Project to the Hispanic Health Council. (with Drs. J. and S. Schensul) Funded by the NIMH. 1981-1984.

Center for International Community Health Studies. (J.E.C. Walker, Director; P. J. Pelto, Associate Director) International Office, Department of Education. 1981-85.

National Science Foundation (with H. R. Bernard, University of Florida) Summer Institutes in the Construction of Primary Data. 1986-1993

Primary Health Care Program in Jeremie, Haiti. (with B. Gebrian, J. Lowmy) 1986-1989

Professional Honors (1988-1994 only)

Elected President, Society for Medical Anthropology.  
Appointed to Board of Directors of the American Anthropological Association.  
Appointed to Board of Directors, Intl. Nutrition Foundation For Developing Countries.  
Elected Member, Executive Committee, Society for Applied Anthropology.  
Appointed Chair, Search Committee for Editor, Human Organization  
Appointed to Task Force on Accreditation and Certification, Society for Applied Anthropology.

Consulting and Workshop Activities (1989-1994 only)

World Health Organization. Temporary Advisor for Workshop on Intervention Studies in Diarrhoeal Disease Research. Fortaleza, Brazil.

Hamline University, Minnesota. (with G. Peltó) Instructors for Workshop on ANTHROPAC software for Anthropology Department faculty.

Ford Foundation in India. Review of Social Science Research in Primary Health Care in India. New Delhi, Bombay, Hyderabad, and Pune.

Haitian Health Foundation. Consultant to Primary Health Care Program. Jeremie, Haiti.

Johns Hopkins University and Ford Foundation in India. Women's Reproductive Health Project. Various Workshops for Field Research Training. Baroda, Bombay and Delhi. Continuing since 1989

Summer Institute in Research Methodology. Co-Instructor with H. R. Bernard and S. Bergatti. National Science Foundation funding. University of Florida. Continuing

London School of Hygiene and Tropical Medicine. Workshop on Methodologies for Study of Hygiene Behaviors. Oxford, England.

London School of Hygiene and Tropical Medicine. Workshop on Methods of Observational Data in Study of Hygiene Behaviors. Winchester, England.

World Health Organization. Global Programme on AIDS. Contract to develop Manual for Situation Assessment.

International Centre for Diarrhoeal Disease Research, Bangladesh. (ICDDR,B). Member, Expert Committee for ERAC/ ICDDR,B Joint Research Project in Matlab.

Conference on "Political-Economics Perspectives in Biological Anthropology: Building a Biocultural Synthesis." Sponsored by Wenner-Gren Foundation for Anthropological Research. Cabo San Lucas, Baja California, Mexico.

International Centre for Diarrhoeal Disease Research, Bangladesh. (ICDDR,B). Coordinator and Instructor, Workshop on Qualitative Research. Dhaka and Matlab, Bangladesh.

International Development Research Centre (IDRC). Project on Community Assessment of Natural Food Sources of Vitamin A. Instructor, Training Workshop. McGill University.

Selected Publications (1988- 1994 only)

Pelto, P.J. THE SNOWMOBILE REVOLUTION. (revised edition) Boulder, Co.: Waveland Press. 1988

Pelto, P. J. and J. J. Schensul. Toward a framework for policy research in anthropology. In: APPLIED ANTHROPOLOGY IN AMERICA. E.M. Eddy and W. L. Partridge, eds. New York: Columbia University Press. 1988

Pelto, G.H., P.J. Pelto and E. Messer, eds. RESEARCH METHODS IN NUTRITIONAL ANTHROPOLOGY. Tokyo: United Nations University Press. 1989

Pelto, P.J. Strategies of field research in nutritional anthropology. In: RESEARCH METHODS IN NUTRITIONAL ANTHROPOLOGY. Tokyo: United Nations University Press. pp. 34-56. 1989.

Pelto, G.H. and P.J. Pelto. Small but healthy? an anthropological perspective. Human Organization. 48(1): 11-15. 1989.

Pelto, P.J., M.E. Bentley, and G.H. Pelto. Applied anthropological research methods: the example of diarrhea studies. In: ANTHROPOLOGY AND PRIMARY HEALTH CARE. J. Coreil and J.D. Mull, eds. Colorado: Westview Press. pp. 253-277. 1990.

Pelto, P.J. and G.H. Pelto. Field methods in medical anthropology. In: MEDICAL ANTHROPOLOGY: A HANDBOOK OF THEORY AND METHOD. T.M. Johnson and C.F. Sargent, Eds. New York: Greenwood Press. pp. 269-297. 1990

Pelto, P.J. and G.H. Pelto "Developing applied medical anthropology in Third World countries: problems and actions. Social Science and Medicine, 35 (11):1389-95. 1992.

Technical Reports, Manuals, and Working Papers

Guidelines for Research in Diarrhoeal Disease. Manual prepared for Control of Diarrhoeal Diseases. WHO. 1990. 88 pages.

Ethnographic Methodology for Study of Hygiene Behaviors. London School of Hygiene and Tropical Medicine. Workshop on Methodologies for Study of Hygiene Behaviors. Oxford, England. April, 1991

Methods for Direct Observations in Hygiene Behaviors. London School of Hygiene and Tropical Medicine. Workshop on Methods of Observational Data in Study of Hygiene Behaviors. Winchester, England. October, 1991.

Manual for Situation Assessment for Interventions in Relation to HIV/AIDS. Developed for WHO/GPA. 1993. 166 pages.

Draft Manual for Community Assessment of Natural Food Sources of Vitamin A and their Utilization. 1993. (with L. Blum, H. Kuhnlein, and G. Pelto) 109 pages.

Focused Ethnographic Study (FES) for HIV/AIDS Interventions. Working Paper for Workshop on AIDS and Sexual Behavior. Bombay, November, 1993.

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