



The World Fertility Survey

FINAL REPORT

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Preface

This, the final report of the World Fertility Survey (WFS), presents the highlights of the programme covering the entire thirteen-year period of the endeavour. It includes briefly its objectives, organization, funding, staffing and major activities, and also a calendar of events 1971-1984 and lists of publications and papers prepared by WFS or based upon WFS data. For details the reader is referred to the many WFS reports listed in appendix 12. The following three publications issued recently provide a general overview of the outcome of the programme.

A summary of the main findings and discussion on their policy implications is presented in a non-technical way in *World Fertility Survey: Major Findings and Implications*, 1984. *World Fertility Survey: Fertility in the Developing World*, 1984 contains a graphic presentation of the major findings in the participating developing countries. A series of 39 essays reviewing and assessing the main findings and accomplishments of the programme is published in *The World Fertility Survey: an Assessment*, 1985.

The wealth of information obtained from the fertility surveys carried out in sixty-two developing and developed countries is a clear demonstration of the significance of this unique international undertaking. Hundreds of scholars and experts from all over the world participated actively and contributed to its success. The survey findings contribute a gold mine of high quality data which have already been widely discussed, assessed, interpreted and utilized by social scientists, policy-makers and administrators and will continue to be of great scientific and practical value nationally and internationally for a long time to come.

At the same time the programme has contributed substantially to the strengthening of survey capability in the participating countries through the training and survey experience promoted by the programme on all aspects of planning and implementation of sample surveys in the social field.

Furthermore, WFS has made a remarkable contribution to the advancement of survey methodology and data analysis by developing, testing and applying various techniques, many of them new and innovative. Social surveys everywhere are not the same since the WFS experience.

The accomplishments of the WFS could not have been possible without the determination and high quality work of the scientific and administrative staff and consultants. International agencies and organizations as well as donor and recipient Governments generously supported the programme financially and in other ways. A special tribute is due to the International Statistical Institute for its vision and courage in taking responsibility for such a daring international research venture. The most remarkable accomplishment of WFS may very well be that it could be done at all.

HALVOR GILLE
Project Director

Summary of Activities

Objectives

The World Fertility Survey (WFS) was established in 1972 as an international research programme with the primary objective of assisting countries to acquire the scientific information that would permit them to describe and interpret the fertility of their population. There were two additional objectives: to increase national capabilities for fertility and other demographic research, particularly in developing countries; and to collect and analyse internationally comparable data on fertility, and to make these available to researchers for comparative analysis.

The means of achieving these objectives was through assisting interested countries, particularly developing countries, in carrying out nationally representative, internationally comparable and scientifically designed and conducted surveys of human fertility behaviour.

Background

The WFS was established against a background of a widely recognized need for better information on levels, trends and patterns of fertility, the United Nations call for concerted world action on population matters and announcement of the World Population Year 1974, and an increasing availability of funds for assistance to developing countries in the field of population. At the same time, the International Statistical Institute (ISI) had been conducting a review of its role and responsibilities and was looking for possible areas of research which it could promote. Informal discussions between officials of the ISI and the United States Agency for International Development (USAID) in Washington, DC on the occasion of the ISI 38th Session in August 1971 identified an area of common interest, and subsequent discussions and consultations, involving also the United Nations Fund for Population Activities (UNFPA), led to the formulation of a project for a 'World Fertility Survey', with the ISI as the executing agency.

The competence and experience of the International Union for the Scientific Study of Population (IUSSP) and the United Nations Statistical Office and Population Division were recognized by enlisting their assistance, advice and guidance from the early planning stages, through the development of survey instruments and procedures, to the subsequent analysis of the data. The three organizations were represented on the WFS Programme Steering Committee and other committees (see below). Further, UNFPA allocated funds for the establishment of four posts of

liaison officer in the UN Population Division and three Regional Commissions, to monitor and assist the development of the programme. Thus, in the formula adopted at its foundation, the WFS was 'undertaken, with the collaboration of the United Nations, by the International Statistical Institute in co-operation with the International Union for the Scientific Study of Population'.

Committees

Three standing committees were established to assist ISI in the development and implementation of the programme: the Programme Steering Committee, the Technical Advisory Committee, and the Regional Co-ordinating Committee (of which the last-named was disbanded after one meeting as being superfluous). In addition, various other consultative committees, seminars and meetings were organized as need arose. Details of these committees and meetings appear in appendix 20.

In addition, the ISI Bureau established a small Executive Committee composed of three members of the Bureau and the Secretary/Treasurer, to monitor and supervise the programme on behalf of the Bureau. This committee met 19 times during the programme.

Funding

The UNFPA made a grant early in 1972 for the plan-preparation stage. Later in the same year, UNFPA and USAID approved substantive grants based on an initial five-year period and on a broadly equal division of the overall cost. Two subsequent extensions were made, up to final termination of the programme in mid-1984. Further funding came from the UK Government through the financing of three country surveys and from 1982 regular contributions towards headquarters expenses. Support was also provided by the Governments of France (secondment of personnel and certain analysis work), Japan (an initial grant) and the Netherlands (office space and services), and the International Development Research Centre (IDRC) of Canada (response errors project). In addition to grants from UNFPA, USAID and the UK Overseas Development Administration (UKODA), specific contributions towards costs associated with the two major meetings held during the lifetime of the programme were made as noted in appendix 15.

In addition to external financial support as above, each participating country made its own contribution to the cost of its WFS survey. This varied between countries, but on average represented some 40 per cent of the total direct cost of the surveys (ie excluding WFS technical assistance and other central costs).

In appendix 21 are listed the WFS project officers in the three main funding agencies - UNFPA, USAID and the UK Overseas Development Administration (formerly Ministry of Overseas Development).

Staff and Location

The first WFS Project Director was Dr M.G. (later Sir Maurice) Kendall who had been involved in the discussions leading up to the establishment of the WFS and who accepted the appointment on the understanding that the technical project office would be located in London. It was decided that, while all the technical survey work would be based in London, the responsibility of ISI for acting as the executing agency of the programme would be discharged by the Institute's Permanent Office in The Hague.

Sir Maurice remained Project Director until May 1980 when he retired owing to ill-health. He was followed successively by Dr M. Macura, Mr V.C. Chidambaram (acting), Dr D.J. van de Kaa and Mr H. Gille (appendix 21).

Listed also in appendix 21 are all professional staff, consultants and resident advisers who served at one time or another with ISI/WFS. Recruitment of professional staff to the project office cadre was geared to the aim of producing results of high scientific quality, attempting at the same time to achieve as broad a geographical spread as possible. The maximum number reached at any one time was 46 in mid-1980. At this time, support staff numbered 40. Consultants were engaged as appropriate for specific tasks as these arose. Resident advisers in countries were employed where it was considered that full-time assistance was required.

Initial Publicity

Various measures were taken to explain and promote the programme. An information brochure was prepared and distributed widely, a press release was sent out to all major mass communication media, an announcement was sent to some 65 professional journals and a newsletter was established. Recruitment of participating countries was stimulated by making presentations at international meetings and by staff visits to countries. Furthermore, regional meetings were organized by WFS for government officials and scholars in Africa, the Middle East, the Caribbean, Europe, Asia and Latin America to explain the programme, discuss its various aspects and learn about the interests and intentions of the countries as to possible participation.

Country Participation

At the inception of the programme, universal coverage was suggested as the ideal. In practice, participation depended on countries indicating an interest in joining the programme. So far as developing countries were concerned, when recruitment was discontinued in 1981, the number participating was 42, of which all but Iran received external financial assistance. These 42 countries are listed in appendix 2, together with information on the progress of each country survey up to (where appropriate)

the holding of a national meeting consequent on publication of the main survey report and the initial distribution of datasets. The list includes in addition two non-self-governing territories which participated with associate status (ie as not taking part in all aspects of the programme).

Efforts to secure the inclusion in the WFS programme of the most populous countries in the major regions of the developing world – Brazil, People's Republic of China, India and Nigeria – led only to the participation of Nigeria. However, WFS-type surveys have been carried out in several states in India. Further, with the assistance of ISI's International Statistical Institute Research Centre (ISIRC) in The Hague the State Statistical Bureau of China will carry out in 1985 representative sample surveys of the WFS type in three areas, with funding from the Governments of Denmark and Norway and IDRC of Canada.

Each WFS-assisted survey was conducted by the country itself under a participating agreement with ISI (which covered such matters as the survey timetable, the budget, the assignment of local staff, technical assistance and conditions of use of the data), through a designated National Executing Agency. In the majority (29) of cases, this agency was the national statistical office, but in the remainder some other agency was responsible, sometimes jointly with the national statistical office. Usually, two persons were appointed to oversee the survey: the National Director who provided overall co-ordination, and the Survey Director who was responsible for day-to-day management. The balance of duties between the two persons varied from country to country; in some cases there was joint responsibility for one or other of the roles, while in others one person combined the two roles. A list of National Executing Agencies for all WFS participating developing countries and of all persons who at one time or another performed the role of National Director or Survey Director (in order of time) is given in appendix 3. The entire survey staff, including interviewers, editors, coders and computer staff, were in almost all cases nationals of the country concerned.

The target population for the survey was generally all ever-married women aged 15-49, but in many cases the coverage was extended to include never-married women within the same age range. Samples ranged from 3000 to 10 000 women and generally represented the whole national territory. Sample design was tailored to national requirements, but strict probability sampling was used in all cases.

The first complete surveys were carried out in Asia and the Pacific, with Fiji (a pilot for the whole programme) leading the way. 1975 represented the peak with fieldwork in eight countries. African countries generally entered the programme relatively late, to avoid competing for resources with the census programme. The last country to undertake fieldwork was Nigeria which completed this stage in August 1982. All countries, with the exception of Iran, successfully produced a detailed report on their

data (known as the First Country Report); the first such report was published in October 1976 (Dominican Republic) and the last in December 1984 (Ivory Coast). In addition, all these countries prepared, checked, cleaned and documented micro-level data files (for the households and for individual women) both in the original questionnaire format and in a form more suitable for analysis (the standard recode).

Twenty developed countries also participated in the WFS programme, but without external financial or technical assistance (although WFS did develop a version of the core questionnaire adapted to low fertility situations which was generally followed by the participating countries). A list of the countries appears in appendix 4, together with information on national executing agency, sample size and timing of fieldwork.

The total estimated population of all 64 participating countries, including those with associate status, at mid-1984 was 1853 million, or 38.9 per cent of total world population at that time ¹

Documentation

The WFS headquarters prepared a number of survey documents for general guidance and use. Principal among these were the survey instruments or questionnaires. The two basic instruments were the household schedule, covering such topics as age, sex and marital status of household members, and the individual questionnaire (for women), providing detailed information on maternity and marriage histories, contraceptive knowledge and use, and fertility regulation. All countries were expected to follow these two questionnaires as closely as possible, subject to necessary country-specific adaptation to suit national circumstances. A husbands questionnaire and an individual core questionnaire for low fertility countries were also developed.

Also produced were optional supplementary modules on abortion, community-level variables, economic questions, factors other than contraception affecting fertility (FOTCAF), family planning, fertility regulation and general mortality. Countries were free to add questions of specific national interest. The modules were in practice used to widely differing degrees. The most commonly used was the fertility regulation module, except in Africa where the low level of contraceptive use in most countries led to reliance on the FOTCAF module instead. With the exception of the economic module (which was not much used), the other modules were all used in at least 10 countries.

In addition to the survey instruments, guidance manuals were prepared on other aspects of survey operations – survey organization, sample design, training, supervisors' and interviewers' duties, editing and coding, preparation of the main survey report (including recommended tabulations), analysis, data processing, and computer software.

All this documentation was the subject of extensive consultation, by approach to

¹ Source: Population Reference Bureau, Inc. – 1984 World Population Data Sheet.

individual experts, through the Technical Advisory Committee and Programme Steering Committee and in other forms, and (with the exception of the husbands and low fertility questionnaires) was published in either the *WFS Basic Documentation* or the *WFS Occasional Papers* series, with English, French, Spanish and Arabic versions of eight of the documents, and English, French and Spanish versions of four others.²

As further guidance with second-stage analysis, and in addition to 'Strategies for the Analysis of WFS Data' (*Basic Documentation* no 9) and a list of recommended topics for analysis, WFS commissioned a series of Technical Bulletins and another series of Illustrative Analyses. The Technical Bulletins each described a particular method of analysis in the context of application of the techniques with examples from real data from country surveys. The Illustrative Analyses each covered a selected topic of priority and interest, and contained a statement of the substantive and methodological approach, with a detailed example of the application of the approach to the data from a particular country but emphasizing also the general applicability of the analysis. Eleven Technical Bulletins and twelve Illustrative Analyses were published by WFS.³

In the area of data processing, apart from the use of non-WFS programs (adapted where necessary) such as Cocents, SPSS and Concor, general-purpose programs were developed by WFS as listed in appendix 17. In addition, country-specific programs were written as necessary.

The documentation described in the above paragraphs provided the essential framework for technical assistance to developing countries.

Technical Assistance (developing countries)

With the surveys being carried out by the countries themselves, a 'country coordinator' was designated from among the ISI/WFS staff to maintain liaison with the national staff and arrange advisory missions as required, and generally to have overall responsibility for ensuring full support for the survey.

Apart from the provision of standard guidance documentation as above, technical assistance took the following forms:

- Technical advisory missions to countries and, in a few cases, the assignment of a resident adviser to a country.
- Visits of country personnel to the WFS professional centre in London.
- Workshops.
- Other country-specific work by ISI/WFS staff or consultants in London.

² *WFS Basic Documentation* nos 1-12.
WFS Occasional Papers nos 8, 9, 11, 12, 19
(see appendix 12).

³ *WFS Technical Bulletins* nos 1-11.
WFS Scientific Reports nos 4, 5, 9, 10, 12, 13, 15, 16, 17, 25, 37, 39
(see appendix 12).

Appendix 6 gives a summary of the amount of technical assistance provided covering the above headings, by country, source and location, up to the time of publication of the First Country Report. ISI/WFS staff involvement in the survey work and the provision of technical assistance generally was flexible and varied widely among countries, in response to need, but in all cases maintaining the principle that the survey was conducted by and under the control of the country concerned. Data processing barked large in the amount of technical assistance given, accounting for about 60 per cent of the country-specific work done at the London office and over 40 per cent of the total of assistance inside and outside the countries.

A minimum number of *technical assistance visits* by ISI/WFS staff was stipulated in each country participating agreement, corresponding to the major stages in a survey from questionnaire preparation through to the main report writing. In practice, an average of 24 visits per country were required, covering all stages of the survey.

In a number of countries, it was judged, in consultation with the country authorities, that continuous technical assistance in the form of a *resident adviser* was required. A list of such persons and the countries concerned appears in appendix 21. In the cases of Ivory Coast, Lesotho and Senegal, the assistance was in specific relation to data processing and the periods were 6, 6 and 13 months respectively. In the other cases, the assistance was more general and the period ranged from 12 months for Bangladesh to 42 months for Mauritania.

In the case of the English-speaking Caribbean countries, Guyana, Jamaica and Trinidad and Tobago, a regional office headed by a regional co-ordinator was established, to handle the particular Caribbean situation which required substantial amendments to the core questionnaire because of the complex marriage systems. Monitoring visits were still made from the WFS headquarters which also made a major technical assistance contribution at the data processing stage. For linguistic reasons, the requirements of the other two Caribbean countries - Dominican Republic and Haiti - were met from London.

Reference has been made above (pages 7 and 8) to the establishment of four posts of *liaison officer* in the UN Population Division and three Regional Commissions. In general terms, the function of the liaison officers in the Regional Commissions was to participate in survey design visits and to monitor surveys, to help in providing technical assistance where appropriate, and to stimulate the use of survey results in government programmes and second-stage analysis. In the event, the liaison officer posts were filled in Asia and the Pacific and in Latin America only (recruitment difficulties prevented an appointment being made in Africa); appendix 21 lists the persons so posted. The liaison officers in Latin America provided technical assistance for most aspects of the surveys, while in Asia and the Pacific such assistance was concentrated mainly on second-stage analysis.

Technical assistance was also provided through the use of *consultancies*. For example:

- short-term consultancies were provided for sampling in Colombia, Egypt, Lesotho, Sudan and Venezuela; and in report-writing for Bangladesh, Benin, Cameroon, Ecuador, Jordan, Mauritania, Morocco, Sri Lanka, Syria and Venezuela;
- all Latin American surveys benefited from the technical assistance provided by CELADE during the data processing stage of their surveys;
- the US Bureau of the Census provided substantial input during the tabulation stages of the surveys in the Dominican Republic and in Malaysia.

A total of 134 national survey personnel paid *working and training visits to the WFS London office* for a total duration of 206 person-months, 117 of which were spent in workshops (see below).

An important element in the training and further analysis programme was the holding of *workshops*. Appendix 5 gives details of 18 workshops either organized by WFS or organized by others with ISI/WFS staff playing a significant role. A total of 172 persons from 55 developing countries participated in these workshops. Seven of the workshops organized by WFS were on evaluation of the quality of the survey data, six of which were held in London and one in Santiago in collaboration with the Catholic University of Chile. Two other workshops organized by WFS were on the FOTCAF module and on community factors in infant and child mortality.

Reporting and Analysis

First Reports - Developing Countries

The first and principal report on data from each developing country survey was the First Country Report (originally known as Country Report No 1). Generally, these reports followed the 'Guidelines for Country Report No 1' (*WFS Basic Documentation* no 8 - originally published in 1975, with a revised version in 1977). They were published in English, French or Spanish, depending on the linguistic situation in the country. The report for Yemen AR was additionally published in Arabic.

The reports consisted of a text covering the country setting, methodology, and preliminary analysis of the data, and a long series of statistical tables. Initially, reports were in one volume, but subsequent size led to division into two (text and tables respectively) and even, in certain cases, three (Cameroon, Mexico), four

(Egypt) or five (Morocco) -- although in the last two cases one volume in the series covered material other than that deriving from a normal WFS survey. As noted above (pages 10 and 11), 41 of the 42 participating countries completed and published their First Country Report. The timing of publication, in itself and in relation to the lapse of time since the start of the fieldwork, can be seen from the relevant columns in the country participation table in appendix 2.

In the case of three countries -- Benin, Mauritania and Nigeria -- whose First Reports were not expected until 1984, preliminary reports based on relatively few variables from the not yet fully cleaned raw data were prepared, and these appeared during 1983.

At around the same time as the First Country Report, WFS published (in English, French and Spanish) a Summary of Findings, usually about 15 pages long, which summarized the main results of the survey in less technical language.

As from 1978, following publication of the First Country Report countries were encouraged to organize a meeting of policy-makers, administrators, researchers, etc, with the aims of:

- disseminating information about the survey and the main findings
- discussing the policy implications of the findings
- stimulating interest in further analysis among local researchers and policy-makers
- obtaining feedback on the priority areas to be studied.

A total of 27 countries held meetings of this kind, in some cases as part of a meeting on more general population-related matters. These countries are identified in the appropriate column of the table at appendix 2.

Second-Stage Analysis Developing Countries

WFS activities in encouraging and facilitating second-stage analysis of survey data, especially as involving researchers from the countries themselves, assumed particular focus with the establishment in 1976 of the analysis division in the WFS professional headquarters in London, and discussion at a meeting of experts convened in 1977 (see appendix 20 for membership of the committee) which led to the general policy statement on the analysis of WFS data published in appendix I to the WFS Annual Report for 1977. Subsequent action proceeded through, among other things, the preparation of guidance documents (page 12), the holding of national meetings on First Country Reports (see above) and of workshops (page 14) and visits of national researchers to London and of ISI/WFS staff or consultants to the countries.

Substantial assistance for these national analysis activities was provided by the WFS funding agencies.

Appendix 8 gives a complete listing of country-specific analysis projects known to have been launched by the end of the WFS programme, with details of publication where available. The total is 831, including First Country Reports and Summaries of Findings. Of the total, 651 were known to have been completed, and two-thirds of the projects involved a researcher who was a national of the country concerned.

Data Evaluation—Developing Countries

An important element in WFS country-specific analysis activity was the commitment to scientific evaluation of the quality of the demographic data of each survey. This was mainly achieved through the medium of WFS workshops (see page 14 above), of which seven (covering 28 WFS surveys) were devoted to data evaluation. In appendix 10 is a list of the analytic data evaluation reports in respect of the 40 countries for which the evaluation was carried out (the exceptions are Iran and Panama), together with certain other relevant publications. In this general context, reference is also invited to the Post-Enumeration Surveys and Response Error Studies (page 20 in both cases).

Comparative Analysis

By 1979, data from 19 country surveys were available and the possibilities of cross-national comparative analysis well appreciated. In January of that year, a meeting of experts was held in London to discuss ways in which WFS could facilitate such comparative analysis (see appendix 20 and appendix 9, item 44). Later in the year, a comparative analysis section was established within the analysis division at the WFS London professional centre.

Appendix 9 lists known documents on comparative analysis of WFS data. The total number of such documents is 261, and work continues which will substantially add to this number in the years to come.

Most of the activity within WFS itself was centred on production of the Cross-National Summary Reports. These reports provide basic cross-national information, documentation and results from WFS surveys. Initial issues (first appearing in 1980) covered 19 countries, a middle batch 28, and the final series all 41 countries for which surveys were completed and information was available. Publication details are contained in the list of WFS publications in appendix 12 and the reports are also included in the comparative studies list at appendix 9.

In addition, WFS undertook a limited number of other comparative analysis projects (see appendices 9 and 12) and acted generally as a major provider of data and advice to those carrying out comparative analysis projects around the world.

The list of comparative studies in appendix 9 indicates the wide range of other

authors and institutions actively involved in cross-national analysis of WFS data (usually making use of the WFS data archive facilities). The WFS funding agencies allocated significant resources to non-WFS agencies for such work. The most important such contribution was the UNFPA support to the UN Population Division for the organization of a comparative programme of analysis with participation by UN Regional Commissions and other UN agencies – FAO, ILO, UNESCO and WHO. The UN Population Division formed a UN Working Group on Comparative Analysis of WFS Data, to co-ordinate the work; the group met six times in the period 1978 to 1984. Other organizations in receipt of financial support for comparative work included IUSSP, East-West Population Institute, Honolulu, Population Reference Bureau and the Universities of Chicago, Michigan, North Carolina and Princeton.

As with the UN Population Division, particularly strong links were maintained with IUSSP. WFS was represented on IUSSP's Committee on Comparative Analysis of Fertility and on its successor, the Committee on Comparative Analysis of Fertility and Family Planning. IUSSP's Committees on Sterilization and on Family Planning Programme Evaluation also made use of WFS data. Jointly with WFS, IUSSP organized two seminars – a Seminar on Analysis of Maternity Histories (in collaboration also with the London School of Hygiene and Tropical Medicine) in London in April 1980⁴, and a Seminar on Integrating Proximate Determinants into the Analysis of Fertility Levels and Trends in London in April/May 1984⁵. WFS participated in various other IUSSP seminars as noted in the WFS Historical Calendar (appendix 1), notably the Seminar on the Analysis of the WFS Family Planning Module held in Malaysia in December 1981⁶.

On the methodological side, WFS itself organized a Working Group on the Analysis of Birth Intervals in London in July/August 1982, and a Seminar on the Collection and Analysis of Data on Community and Institutional Factors, also in London, in June 1983. Resulting reports were *WFS Comparative Studies* no 30 and *The Collection and Analysis of Community Data* respectively (see appendix 12).

Developed Countries

Appendix 11 lists known country-specific analysis studies based on data derived from developed country surveys.

Comparative analysis of developed country data was undertaken by the Population Activities Unit of the UN Economic Commission for Europe (ECE). The main report on the ECE/WFS project was published as 'Fertility and Family Planning in Europe and the USA: a Comparative Study of National Surveys'. In addition, five reports were published as *WFS Comparative Studies* nos 18, 20, 21, 26 and 38 (see appendix 12).

⁴ See eg appendix 9 item 51 for publication reference.

⁵ See eg appendix 9 item 185 for publication reference.

⁶ See eg appendix 9 item 38 for publication reference.

Archive

All data collected through the surveys carried out within the WFS programme remain the property of the country concerned. All participating developing countries except Turkey and Iran accepted, under differing conditions, ISI as custodian of the data from their surveys (Turkey declined to deposit its data in the WFS Archive; the position in relation to Iran was not known at the time of the end of the WFS programme).

The raw data from an individual survey (as received after in-country editing, and any further amendments carried out in London) is in the same format as the original questionnaire for that survey. Since this format varied between countries in a complex way, to facilitate cross-national analysis there was also constructed for each country what became known as a *standard recode file*. This is a rectangular file, standardized across countries.

The data from the household schedule also takes two forms: in a format directly reflecting the original schedule; and in a semi-standard form by household member. (Work on the household datasets was less complete than for the individual data.)

In addition, for some countries datasets are available covering community-level data and special studies (eg on husbands).

The conditions for release and use of datasets vary from country to country. A summary is given in appendix 18. In general, the conditions refer to data in the form of tapes or unpublished tabulations. Each dataset is accompanied by a machine-readable dictionary, frequency distributions and other appropriate documentation. By 30 June 1984, 1322 datasets had been distributed; a breakdown of this total by country is given in appendix 19.

As from January 1985, the Archive has been included in the Dynamic Data Base operated by ISIRC, supported by funding from USAID.

Programme Evaluation and Assessment

Evaluation and assessment of the activities and experience of the WFS was carried out throughout the programme on both an external and internal basis.

External

The decisions from time to time by the funding agencies to extend their financial support were of course backed by reviews of progress. Specifically, there were three major evaluations sponsored by UNFPA and USAID during the lifetime of WFS: the first chaired by Mr Joseph Waksburg in 1975; the second chaired by Mr Benjamin Gura in 1977; and the third chaired by Mr Thomas Smith in 1980. In addition, a 'mini-evaluation' was conducted in 1978 by Mr Richard Cornelius of USAID in collaboration with UNFPA.

Internal

The accumulation of experience with surveys carried out in various parts of the developing world under the co-ordination of a single technical agency provided a unique opportunity for the study of survey methodology. Although WFS was precluded by its mandate from conducting purely methodological research, many survey features were allowed to vary and were thus amenable to assessment of a quasi-experimental nature.

During the currency of the programme, WFS experience was monitored in two main ways: the first, a continuously updated recording of survey characteristics and problems encountered; the second, a country-by-country analysis of data quality. Special 'problems' reports were produced by three countries, ie Fiji (see also pages 10 and 20), Dominican Republic and Ivory Coast,⁷ and First Country Reports often included a discussion of potential problems encountered. Details as regards data evaluation are given on page 16 and in appendix 10.

As the programme approached completion, a major effort was made to expand the scope of these assessment activities, with the following aims:

- to present a full and final documentation of WFS survey characteristics and WFS procedures
- to review critically all major aspects of WFS work
- to draw up recommendations for the conduct of future surveys
- to communicate to all interested organizations and individuals the lessons that had been learnt and the recommendations made in the light of a decade of experience.

The product of this final round of assessment took two forms. The first was a series of essay-type papers. Some of these were presented and discussed at the WFS Symposium in London in April 1984 which was specifically convened for the purpose (see pages 21 and 22 and appendix 14). As subsequently revised, these papers together with others of a similar nature are being published in a composite volume (see contents listed in appendix 13). The second form comprised more extended reports, some of which were published, with others remaining as unpublished manuscripts; these are also listed in appendix 13.

Other Special Studies

A variety of special studies were carried out at various times, some of them linked to national surveys, others organized separately. Brief notes on some of the more

⁷ Fiji - *WFS Occasional Papers* nos 15 and 16.
Dominican Republic - *WFS Occasional Papers* no 18.
Ivory Coast - WFS unpublished manuscript.

important of these studies follow (see also appendix 7 for further details on certain of the studies).

Pilot Surveys and Pre-tests

Reference has been made above to the Fiji survey acting as a pilot survey for the WFS programme as a whole and to the subsequent publication of a 'problems report' (pages 10 and 19). One or more pre-tests were an integral part of each country's survey programme.

Following discussion in the Technical Advisory Committee and the Programme Steering Committee, an in-depth field methodological study was carried out in 1976 in India, Panama and Turkey, with a view to evaluating certain proposed additions to the core questionnaire in relation to pregnancy termination and contraceptive knowledge and use. The outcome was the addition to the core questionnaire of questions on contraceptive availability only, covering type of outlet, travel time and cost, in respect of each method. A report on the study was published as *WFS Scientific Reports* no 1.

Listed in appendix 7 are other specific test survey activities, general to the programme as a whole, carried out in 1974-76.

Post-Enumeration Surveys

Re-interviews of a sample of women were carried out in Bangladesh, Fiji, Pakistan, Philippines and Sudan, and re-interviews plus reconciliation interview in Indonesia.

Response Error Studies

These studies, which together comprised a project funded by the Canadian IDRC, were post-enumeration surveys plus reconciliation, together with a further feature: randomization of interviewers' assignments of both rounds. The project originally involved Burma, Lesotho, Peru and Turkey. Burma dropped out when the main survey was suspended, and was replaced by the Dominican Republic.

Husbands Surveys

In the Egypt, Iran, Ivory Coast and Thailand surveys, a subsample of the husbands of interviewed women were interviewed on certain fertility and family planning questions. In Thailand and Egypt, the husbands survey was the occasion for collection of extensive additional economic data, the World Bank supporting the project in the case of Egypt. In Thailand, the husbands were interviewed before the wives; in the other countries after.

Linguistic Studies

A study of the linguistic situation in a country was, where necessary, an integral part of a survey programme. One such study in Cameroon resulted in a report published by WFS as *WFS Scientific Reports* no 2. Towards the end of the programme, an experimental field study was carried out to throw light on the WFS practice of translating questionnaires into all major languages in a country, through small-scale surveys in Ivory Coast and the Philippines; the resulting report is in the form of an unpublished manuscript.

Bangladesh Tape-Recording Study

This study consisted of a detailed examination of 220 transcripts of interviews tape-recorded during the Bangladesh Fertility Survey in 1975–76. The report on the study was published as *WFS Scientific Reports* no 41.

WFS 1980 Conference and 1984 Symposium

During its lifetime, WFS held two major international meetings, to report progress and discuss experience and findings.

The first such meeting was the *WFS Conference* held in London on 7–11 July 1980, with the following objectives:

- to give a public account of the findings of the WFS to date
- to offer ministers and senior officials concerned with population policies an opportunity to familiarize themselves with the significant findings of WFS surveys
- to encourage use of the data available and stimulate further analysis at the country level as well as on a comparative basis
- to consider the future of enquiries of the WFS kind.

The Conference was opened by the Rt Hon Patrick Jenkin MP, UK Secretary of State for Social Services. Registered participants numbered 608, including in general two participants from each country taking part in the WFS and including also two representatives from the People's Republic of China. Two reports on the Conference were published: *World Fertility Survey Conference 1980: Record of Proceedings* (in three volumes); and *The World Fertility Survey and its 1980 Conference*, by E. Grebenik.

The second major international meeting was the *WFS Symposium* held on 24–27 April 1984, also in London. This Symposium was held as a conclusion to the WFS

programme and had as its main purpose the discussion of the findings from the comprehensive assessment of the WFS programme during its 12 years of operation which had represented an important component of the final stage of the work (see page 19). The opportunity was also taken to present major recent findings from WFS surveys.

The Symposium was opened by the Rt Hon Timothy Raison MP, UK Minister for Overseas Development. Participants numbered 257, including representatives from WFS participating countries. The People's Republic of China was again represented at the meeting. There was no formal Symposium record of proceedings as such. However, the majority of the papers (incorporating in some cases amendments in the light of the discussion at the meeting) are included, together with other essays from the WFS assessment programme, in *The World Fertility Survey: an Assessment* published by the Oxford University Press (see appendix 13).

Appendix 14 lists the papers presented at both the 1980 Conference and the 1984 Symposium.

Dissemination and Utilization

Appendix 12 lists all publications of the WFS programme published by ISI. The list includes First Country Reports from developing country surveys, and includes also the report *World Fertility Survey: Major Findings and Implications*, a preliminary version of which was prepared for distribution at the International Conference on Population held in Mexico City in August 1984.

The WFS mailing list, for (among other things) distribution and notification of availability of publications, consisted at 30 June 1984 of some 2500 addresses. The list included national statistical offices and other relevant government offices, researchers and students at demographic centres and relevant university departments, libraries, United Nations organizations and field staff, USAID headquarters and mission staff, and WFS Depository Libraries.

WFS Depository Libraries maintain a complete set of all WFS publications including First Country Reports. The libraries are listed in appendix 16. The total number is 174: 23 in Africa, 41 in Asia and the Pacific, 39 in Europe, 20 in Latin America and the Caribbean, 8 in the Middle East, and 43 in Canada and USA.

An additional mailing list comprised 350 editors of all the major and a considerable number of smaller population/statistical and related news sheets and periodicals.

The major computerized information systems such as Johns Hopkins' POPLINE and CELADE's DOCPAL provided valuable assistance in making WFS reports and publications widely available. Many other organizations and journals sponsored or published papers using data deriving from the WFS programme. Particular mention

in this regard should be made of the Alan Guttmacher Institute and of the Population Reference Bureau. The former presented from time to time analytical studies on WFS findings in its International Family Planning Perspectives, and the latter published a series of eight reports on findings from WFS surveys (see items 65, 67, 117, 118, 122, 136, 148, and 250 in appendix 9). ISI/WFS is also associated with the UN Population Information Network (POPIN).

Reference has been made above (page 15) to the preparation of short, non-technical Summaries of Findings (in three languages) for each survey and to the holding of national meetings, as means of disseminating the results of surveys. The paper on dissemination and utilization of data included in the volume of assessment papers (see appendix 13) assesses the effectiveness in-country of these and other dissemination measures, as perceived for each country by an in-country respondent and reported through a questionnaire. Although according to the reports dissemination of survey results left some room for improvement in many countries, the survey findings have generally been widely utilized in various ways. The list of analysis studies in appendix 8 indicates very substantial analytic use. Use in the context of public policy discussions and decisions also appears to have been significant, judging from the evidence of the responses to the questionnaire and other sources, of which the following are only some examples:

- The results from the survey in Cameroon played a significant role in the government's decision to establish a National Population Commission.
- In Colombia, results from the National Fertility Survey were used in each stage of planning and execution of the PROFAMILIA programmes. Survey findings formed an integral part of the Plan of National Integration presented by the President of the Republic.
- In the Dominican Republic the observed fertility decline and the wide acceptance of female sterilization revealed by the survey led to re-inforcement of family planning programmes in rural areas, extension programmes on maternal and child care and the launching of a re-oriented sterilization programme in 1977.
- In Guyana the fertility survey data were used to redefine objectives of public health programmes, including coverage of infant immunization and inoculation. Maternal and child care programme tactics were changed. Further use of the data will be made when preparing the next official projections.
- The observed high level of fertility and low level of contraception in Kenya was partly responsible for the formulation of the Integrated Rural Health Family Planning Programme 1982-8.

- In Nepal the survey provided reliable estimates of fertility and infant mortality rates which were not previously available. The establishment of a Population Commission was one significant outcome.
- The observed low level of contraceptive prevalence in Pakistan came as a surprise and resulted in the revision of future performance goals. The survey findings were also used in the preparation of the sixth Five Year Plan.
- The data from the Turkish Fertility Survey were used by the Ministry of Health in obtaining support from Parliament for a proposed law on family planning.

Appendices

Appendix 1

World Fertility Survey: Historical Calendar

(Note: see appendix 22 for explanation of abbreviations used)

Date	Place	Context	Content
1971			
Aug	Washington, DC	ISI 38th Session	ISI, USAID discuss ISI involvement in active programme
19 Aug	Washington, DC	Meeting of ISI Bureau	Agreed ISI interested in executing a 'World Fertility Survey' and authorized further discussions with USAID
15-16 Sep	Oslo	Meeting between representatives of ISI and USAID	Follow-up to Washington discussions in August
Oct	-	-	UN asks for programmes for World Population Year
19-21 Nov	The Hague	Meeting of ISI Consultants	Discussion of outline of programme
24-26 Nov	Geneva	Meeting of ISI Consultants	Continuation of discussion
23 Dec	The Hague	-	ISI sends project proposal to USAID
1972			
Feb	USA	Visit by ISI President and Director, Permanent Office	Discussions with USAID, UNFPA and other organizations and persons
Mar	Geneva	Meeting of ISI Secretary General and Director, Permanent Office with Regional Population Officers, IUSSP, UN Population Division	Discussions
Mar	The Hague	Meeting of ISI Consultants	Discussion of WFS programme design

Date	Place	Context	Content
1972 (cont)			
Apr	Addis Ababa	UNECA Meeting of Non-UN Organizations Interested in the African Census Programme	ISI represented
Apr	Geneva	Inter-Agency Working Group on Finances and Co-ordination of UNFPA – Sponsored Activities for World Population Year	ISI represented
Apr	New York	--	UNFPA grant of \$54 225 for Pre-Project Phase and 2 <i>Ad Hoc</i> Technical Advisory Meetings
Jun	USA	Visit by ISI President and Director, Permanent Office	Discussions
Jun	Geneva	Conference of European Statisticians	Presentation on WFS
Jun	Washington, DC	--	USAID grant of \$1 043 000 for Project Development Phase
Jul	The Hague	1st <i>Ad Hoc</i> Technical Advisory Meeting	Endorsed feasibility and desirability. Offered technical guidance on requirements, in particular the need, objectives and subject matter, functioning, and relationship to other activities
Jul	The Hague	2nd <i>Ad Hoc</i> Technical Advisory Meeting	Technical requirements in more detail; optimal strategies for conducting national surveys and survey methodology, from initial planning to analysis and publication of results
Jul	Manila	Conference of Asian Statisticians	Presentation on WFS
Aug	--	--	Press release to media
1 Oct	--	--	Effective date of M. Kendall's appointment as Project Director
Oct	--	--	Announcement to journals

Date	Place	Context	Content
1972 (cont)			
Nov	Geneva	UN Statistical Commission	Presentation on WFS
Nov	London	-	Office established at 1/2 Berners Street
End	London	-	Two professional staff on strength
1973			
22-23 Jan	The Hague	PSC 1st Meeting	Terms of reference and composition of permanent advisory committees. Staffing pattern and balance. 1973 work-plan. Official formula for describing WFS
24-26 Jan	The Hague	Regional Co-ordinating Committee (first and only meeting)	Co-ordination and exchange of information with organizations sponsoring regional population programmes
Feb	Geneva	UNFPA <i>Ad Hoc</i> Meeting of Inter-Agency Consultative Committee	Presentation on WFS
Mar	London		Expanded accommodation in Berners Street completed
Mar	New York	UN Population Commission	Presentation on WFS
Apr	St Augustine, Trinidad	CICRED Seminar on Demographic Research in Relation to Population Growth Targets	Presentation on WFS
Apr	New Orleans	Population Association of America Annual Meeting	Presentation on WFS
Apr	Addis Ababa	UNECA-3rd Meeting of Non-UN Organizations Interested in Population Work in Africa	Presentation on WFS
14-15 May	New York	TAC 1st Meeting	Role and functions of TAC. Draft core questionnaire. Sampling size and stage. <i>De facto</i> residence. Contents of interview

Date	Place	Context	Content
1973 (cont)			
May	Geneva	UNECE 28th Session	Presentation on WFS
Jun	Geneva	UNFPA Inter-Agency Consultative Committee	Presentation on WFS
Jun	Geneva	Conference of European Statisticians	Presentation on WFS
Jul	Suva	Fiji Survey	Survey started (Survey Design Visit)
Aug	Budapest	Directors of International Statistical Training Centres Seminar	Presentation on WFS
Aug	Vienna	ISI 39th Session	Presentation on WFS
17-18 Aug	Vienna	PSC 2nd Meeting	Research. African Census Programme. Draft core questionnaire (definitions, essentials, evaluation of items)
Sep	Liège	IUSSP XVII General Conference	Presentation on WFS
15-17 Oct	London	TAC 2nd Meeting	Draft household schedule and individual questionnaire - latter to be core plus modules plus optional individual items. Developed countries questionnaire. Research
Oct	Copenhagen	WHO-2nd International Conference on Vital and Health Statistics	Presentation on WFS
Oct	The Hague	WFS Publications Programme	<i>WFS Occasional Papers</i> no 1 (Fertility and Related Surveys) published
Oct	The Hague	-	First issue of WFS Newsletter
Nov	Chapel Hill, North Carolina	POPLABS 4th International Conference	Presentation on WFS
3-4 Dec	Addis Ababa	UNECA-WFS - sponsored African Regional Conference	Presentation

Date	Place	Context	Content
1973 (cont)			
14-15 Dec	Beirut	UNESOB-WFS - sponsored Middle East Regional Conference	Presentation
Dec	New Delhi	Conference of Asian Statisticians	Presentation on WFS
End	London	-	WFS expanded in to Newman Street
End	-	-	1 developing country participating in WFS programme (survey design visit undertaken)
End	-	-	1 developed country participating in WFS programme (fieldwork started)
End	London	-	9 professional staff on strength
1974			
14-15 Jan	Port of Spain	WFS - sponsored Caribbean Regional Conference	Presentation
16-18 Jan	Port of Spain	TAC 3rd Meeting	Draft household schedule, individual questionnaire. Modules. Sample size. Phasing of country participation
28-31 Jan	Geneva	Meeting convened by Conference of European Statisticians on behalf of WFS	Presentation
Jan	Bogotá	Colombia Pilot Survey	Survey started (Survey Design Visit)
14-16 Feb	Bangkok	UNECAFE-WFS - sponsored Asian Regional Conference	Presentation
21-22 Feb	Princeton	PSC 3rd Meeting	Tabulations (location). Publications policy. Abortion module - politically sensitive questions. Promote one questionnaire only. Training
Feb	UK	UK Pilot Survey	Survey started (Survey Design Visit)

Date	Place	Context	Content
1974 (cont)			
Feb	Seoul	Republic of Korea Survey	Survey started (Survey Design Visit)
Apr	Kuala Lumpur	Malaysia Survey	Survey started (Survey Design Visit)
21-24 May	Kuala Lumpur	TAC 4th Meeting	Core questionnaire, Household schedule and individual questionnaire approved. Manuals, Modules
24 May	London	-	WFS moved to Grosvenor Gardens
May	Kinshasa	Zaire Pilot Survey	Survey started (Survey Design Visit)
May	The Hague	WFS Publications Programme	<i>WFS Occasional Papers</i> no 9 (Examples of Community-Level Questionnaires) published
Jun	New York	UNDP Governing Council 18th Session	Governing Council approved UNFPA assistance to WFS in amount of \$4.5 million for period Jul 1974 to Jun 1977
Jun	New York	UNDP Governing Council 18th Session	Governing Council approved liaison officer posts in UNHQ and the African, Latin American and Asian Regional Economic Commissions
Jun	Bangkok	Thailand Survey	Survey started (Survey Design Visit)
9-11 Jul	London	WFS Training Seminar	Training aspects of WFS
15-17 Jul	Mexico City	UNECLA-WFS - sponsored Latin American Regional Conference	Presentation
Jul	Islamabad	Pakistan Survey	Survey started (Survey Design Visit)
Aug	Santo Domingo	Dominican Republic Survey	Survey started (Survey Design Visit)
9-13 Sep	London	WFS Seminar on Tabulation and Analysis of Survey Data	2 sessions: on demographic problems and on statistical problems

Date	Place	Context	Content
1974 (cont) 29-31 Oct	London	TAC 5th Meeting	Household schedule and individual questionnaire. Modules. Manuals. Survey data sheets. Country participation. Seven priority research topics, plus research director and small advisory committee
Oct	Georgetown	Guyana Survey	Survey started (Survey Design Visit)
Oct	Kingston	Jamaica Survey	Survey started (Survey Design Visit)
Oct	Panama	Panama Survey	Survey started (Survey Design Visit)
Oct	The Hague	WFS Publications Programme	<i>WFS Occasional Papers</i> no 12 (Economic Modules for Use in Fertility Surveys in Less Developed Countries) published
Nov	London	Basic Documentation	Core Questionnaire for Developing Countries (working version) produced
9-10 Dec	London	WFS Working Group on Computers and Packages for Survey Data	Recommended development of editing and imputation computer package plus establishment of an advisory committee
11-13 Dec	The Hague	PSC 4th Meeting	Programme could not end in 1977. Access to and repository for data. Training documents. Criteria for country participation. Research. Publications programme. Country survey reports
Dec	London	Basic Documentation	Manual on Sample Design (working version) produced
During	Trinidad and Tobago	Caribbean Programme	Establishment of Caribbean Co-ordination Office
End	-	-	9 developing countries participating in WFS programme (survey design visit undertaken)

Date	Place	Context	Content
1974 (cont)			
End	-	-	2 developed countries participating in WFS programme (fieldwork undertaken)
End	London	-	21 professional staff on strength
1975			
9-11 Jan	Port of Spain	WFS Caribbean Regional Co-ordination Committee 1st Meeting	Common version of core questionnaire. Same type of data analysis
Jan	London	Basic Documentation	Survey Organization Manual, Supervisors' Instructions, Interviewers' Instructions (all working versions) produced
Jan	Dhaka	Bangladesh Survey	Survey started (Survey Design Visit)
Jan	Colombo	Sri Lanka Survey	Survey started (Survey Design Visit)
14-15 Feb		WFS Caribbean Regional Co-ordination Committee 2nd Meeting	Pregnancy history. Adaptation of Guidelines for Country Report No 1
Feb	US Bureau of Census, Washington, DC	ACCEP 1st and 2nd Meetings	Discussion of development of WFS computer editing and imputation package program
Feb	New York	UNFPA <i>Ad Hoc</i> Technical Meeting on Co-ordination of Assistance for Population Projects	Supplementary support from bilateral foreign assistance agencies beyond existing level and sources
Feb	London	Basic Documentation	Questionnaire for Low Fertility Countries (working version) produced
9-10 Mar	Princeton	IUSSP CCAF Meeting	FOTCAF Module. Important areas for comparative studies. Studies of inaccuracy and bias. Research topics. WFS represented
Mar	Port-au-Prince	Haiti Survey	Survey started (Survey Design Visit)

Date	Place	Context	Content
1975 (cont)			
Mar	The Hague	WFS Publications Programme	<i>WFS Basic Documentation</i> no 1 (Core Questionnaire), no 2 (Survey Organization Manual), no 3 (Manual on Sample Design) published
1-4 Apr	Rabat	POPLABS 5th International Conference	Presentation on WFS
21-23 May	London	PSC 5th Meeting	Criteria for country enrolment. Publication policy especially translation. Policy towards developed countries. Comparative analysis. Editing programs. Sampling errors. Technical monitoring. Access to data. Depository libraries
May	Bogotá	Colombia Survey	Survey started (Survey Design Visit)
23-25 Jun	London	WFS Working Party on Strategies for the Analysis of WFS Data	Evaluation techniques, fertility measures, variables, statistical problems
Jun	Statistics Canada, Ottawa	ACCEP 3rd Meeting	Recommended flexible core questionnaire editing package. Concor to be tested in Dominican Republic
Jun	Jakarta	Indonesia Survey	Survey started (Survey Design Visit)
Jun	Mexico City	Mexico Survey	Survey started (Survey Design Visit)
Jul	The Hague	WFS Publications Programme	<i>WFS Basic Documentation</i> no 5 (Supervisors' Instructions) published
25-28 Aug	Florence	IUSSP CCAF Meeting	Exploratory cross-national study. Use of modules by participating countries. WFS represented
Aug	London	Basic Documentation	Guidelines for Country Report No 1, developing countries (working version) produced

Date	Place	Context	Content
1975 (cont)			
Aug	London	Basic Documentation	Guidelines for Country Report No 1, developed countries (working version) produced
Aug	Nairobi	Kenya Survey	Survey started (Survey Design Visit)
1-9 Sep	Warsaw	ISI 40th Session	Special meeting on WFS
15-17 Sep	London	TAC 6th Meeting	Modules, including priorities. Guidelines for data analysis. Institution of <i>Technical Bulletins</i> series. Role of national researchers. Standard errors. Technical monitoring. Africa pilot studies on data from early surveys
29 Sep-10 Oct	Izmir, Turkey	Turkish Demographic Conference, 2nd Session	Presentation on WFS
Sep	London	Basic Documentation	Training Manual, Editing and Coding Manual (both working versions) produced
Sep	San José	Costa Rica Survey	Survey started (Survey Design Visit)
Sep	Kathmandu	Nepal Survey	Survey started (Survey Design Visit)
6-7 Oct	New York	IUSSP Committee on Demographic Aspects of Family Planning Programmes	Interest in and contribution to WFS programme. WFS represented
13-14 Oct	Lomé, Togo	Conference of African Statisticians 9th Session	WFS represented
20-29 Oct	London	UNFPA-USAID Evaluation Task Force	Review progress and effectiveness
29-31 Oct	Geneva	UNECE-ISI Meeting of Conference of European Statisticians	WFS documentation and participation in WFS programme
Oct	Santiago	Data Processing	First application of Concor (Dominican Republic) - CELADE
Oct	Amman	Jordan Survey	Survey started (Survey Design Visit)

Date	Place	Context	Content
1975 (cont) Oct	The Hague	WFS Publications Programme	<i>WFS Basic Documentation</i> no 6 (Interviewers' Instructions) published
5-6 Nov	Port of Spain	WFS Regional Caribbean Meeting	Draft regional version of Guidelines for Country Report no 1. Variables and their categorization
17-19 Nov	Panama City	WFS Regional Technical Meeting for Latin America	Briefing on problems encountered in Dominican Republic
24-26 Nov	Kingston, Jamaica	PSC 6th Meeting	Extension of programme beyond June 1977. Evaluation Task Force findings. Diversification of funding. Pilot analysis on data from early surveys. Importance of community-level and family planning modules and technical monitoring. Wide involvement in survey planning. Standard errors. Wide availability of data eg through depository libraries
Nov	Kuwait	Kuwait Survey	Survey started (Survey Design Visit)
-	-	Pre-testing of certain modules	FOTCAF (1) Malaysia (2) Ghana (in Pilot Survey)
			Family Planning Bombay, India
			Influence of Mortality on Fertility Philippines
End	-	-	20 developing countries participating in WFS programme (survey design visit undertaken)
End	-	-	5 developed countries participating in WFS programme (fieldwork undertaken)
End	London	-	29 professional staff on strength

Date	Place	Context	Content
1976 26-30 Jan	London	General staff meeting, including WFS London, WFS Hague, UN Liaison Officers New York HQ and Latin America	Discussion of experiences, exchange of views, comment on all aspects of WFS programme
Jan	Maseru	Lesotho Survey	Survey started (Survey Design Visit)
Jan	The Hague	WFS Publications Programme	<i>WFS Basic Documentation</i> no 4 (Training Manual) published
15-19 Mar	London	Meeting held at WFS Office by Computer Methods Laboratory of the International Programs Center, US Bureau of the Census	Discuss of development of a version of Concor usable on computers other than IBM 360
Mar	Port of Spain	Trinidad and Tobago Survey	Survey started (Survey Design Visit)
5-7 Apr	London	PSC 7th Meeting	1975 Evaluation Report. Proportion spent on HQ expenses. Country participation, developing and developed. Restructuring of TAC into subgroups. Data processing-difficulties, delays, institutionalization, use of UN expertise. Standard errors. Fertility regulation additions to Core Questionnaire. Archival functions. Country reports. Publications. Staffing. Guidelines for further analysis
Apr	Geneva	Expert Group Meeting on Methods of Measuring the Impact of Family Planning Programmes on Fertility	Support expressed for WFS research proposals. WFS represented
8-16 May	Panama City	CELADE Regional Training Seminar on Concor	WFS represented
25-28 May	Zakopane, Poland	UN Working Group on Social Demography Meeting, sponsored by Geneva UN Office Division of Social Affairs--UNECE--ISI	Discussion of tabulation plan for the comparative analysis of countries with low fertility participating in the WFS

Date	Place	Context	Content
1976 (cont)			
May	Yaoundé	Cameroon Survey	Survey started (Survey Design Visit)
May	The Hague	WFS Publications Programme	<i>WFS Basic Documentation</i> no 7 (Editing and Coding Manual) published
May	Washington, DC	-	Research Advisory Committee of USAID formally extended WFS for a further 3 years, to June 1980
21-24 Jun	The Hague	POPLABS 6th International Conference	WFS represented
Jun	Bombay Panama Ankara	Field testing of availability questions, for possible modification of core questionnaire	Programme of field tests, for submission to TAC in August
Jun	London	Data Processing	First application of Concor (Bangladesh) - WFS
Jun-Jul	Caracas	Venezuela Survey	Survey started (Survey Design Visit)
Jun-Aug	Cameroon	Investigation of linguistic situation	See <i>WFS Scientific Reports</i> n. 2
14-16 Jul	London	WFS Expert Working Group on Strategies for Analysis	Discussion of analysis of WFS data, and finalization of 'Strategies for the Analysis of WFS Data'
Jul	Teheran	Iran Survey	Survey started (Survey Design Visit)
16-18 Aug	The Hague	TAC 7th Meeting	Translation of documents. Technical Monitoring. Data processing: problems; miniaturization of packages. Progress in country report preparation and guidelines. Further analysis. Fertility regulation additions to core questionnaire
Aug	Lima	Peru Survey	Survey started (Survey Design Visit)

Date	Place	Context	Content
1976 (cont)			
Aug	Ankara	Turkey Survey	Survey started (Survey Design Visit)
Aug	Kenya	First Pre-test for Kenya Survey	Testing of FOTCAF module
13-25 Sep	Trinidad	WFS Caribbean Regional Meeting on Data Processing	Discussion of tabulation plan for the Caribbean programme. Instructions for recoding of variables. Cocepts. Preparation of programs
Sep	Manila	Philippines Survey	Survey started (Survey Design Visit)
13-14 Oct	New York	UNSO Meeting on Data Processing in Developing Countries	Discussion of computer software, methodology and training assistance for censuses and surveys in developing countries. WFS represented
27-29 Oct	Washington, DC	PSC 8th Meeting	Future funding. Modifications to core questionnaire. Country participation. Composition of TAC. Data processing co-operation with UNSO. Protection of data tapes. Publication of country reports, including summaries, translation (of summaries), graphical presentation. Early release of data. Co-operation in analysis with IUSSP, ILO, UN Population Division etc; involvement of national experts. Regional meetings
Oct	Santiago	Chile Survey	Survey started (Survey Design Visit)
Oct	The Hague	WFS Publications Programme	<i>WFS Technical Bulletins</i> no 1 (Some Notes on Statistical Problems Likely to Arise in the Analysis of WFS Surveys) published
Oct	Santo Domingo	Dominican Republic Survey	First Country Report published

Date	Place	Context	Content
1976 (cont) 7-9 Dec	London	Meeting of Committee on WFS Staff Requirements	Review of the size and structure of the professional staff and the making of recommendations thereon
12-18 Dec	Teheran	UNESCAP Committee on Statistics Meeting	WFS represented
Dec	Suva	Fiji Survey	First Country Report published
During	London	London Office Organization	Creation of 4 divisions: data collection; data processing; data analysis; planning and administration
End	-	-	29 developing countries participating in WFS programme (survey design visit undertaken)
End	-	-	9 developed countries participating in WFS programme (fieldwork undertaken)
End	London	-	30 professional staff on strength
1977 26-28 Jan	London	WFS Expert Committee on Co-ordination and Implementation of Analysis of WFS Data	Analysis within countries. Role of UN regional liaison officers. Technical assistance, briefing, workshops. Topics. Illustrative analysis. Co-ordination. Comparative analysis (WFS and UN)
Jan	The Hague	WFS Publications Programme	<i>WFS Basic Documentation</i> no 9 (Strategies for the Analysis of WFS Data) published
Jan	London/The Hague	Joint UNFPA-USAID Evaluation Mission	Extension of WFS programme to mid-1982. Review and clarification of priorities. Country capacity. Methodological studies. Second-round surveys
Jan	New York	UNDP Governing Council 23rd Session	Governing Council approved extension of WFS programme for further 5 years from July 1977, with UNFPA funding of \$2 348 000 for 2 years in the first instance

Date	Place	Context	Content
1977 (cont)			
Feb	The Hague	WFS Publications Programme	<i>Summary of Findings</i> no 1 (Fiji) published
Feb	The Hague	WFS Publications Programme	<i>WFS Scientific Reports</i> no 1 (Assessing the Availability of Fertility Regulation Methods: Report on a Methodological Study) published
Feb	Damascus	Syria Survey	Survey started (Survey Design Visit)
1-3 Mar	Bangkok	WFS Regional Meeting for Asia and the Pacific	Exchange experience. Present findings. Discuss future plans
21-24 Mar	Paris	IUSSP Seminar on Natural Fertility	WFS represented
Mar	Islamabad	Pakistan Survey	First Country Report published
27 Apr - 4 May	Istanbul	UN-UNFPA Expert Group Meeting on Demographic Transition and Socio-Economic Development	Presentation on basis of 'Strategies for the Analysis of Fertility Changes Using World Fertility Survey Data'
Apr	London	Basic Documentation	Core Questionnaire for Husbands (working version) produced
23-24 May	London	WFS Seminar on Sampling Errors for WFS Surveys	Presentation in First Country Report. Adequacy of Clusters. Lines of future research
May	Tunis	Tunisia Survey	Survey started (Survey Design Visit)
Jun	Dakar	Senegal Survey	Survey started (Survey Design Visit)
Jun	Khartoum	Sudan (N) Survey	Survey started (Survey Design Visit)
Jun	The Hague	WFS Publications Programme	<i>WFS Basic Documentation</i> no 10 (Modifications to the WFS Core Questionnaire and Related Documents) published

Date	Place	Context	Content
1977 (cont) 25-27 July	The Hague	TAC 8th Meeting	Funding. Data processing delays. Speed up production of First Country Reports. Report Summaries. Technical Bulletins. Topics for further analysis. Editing and Coding Manual. PES and Reliability Studies (publication)
8-13 Aug	Mexico City	IUSSP XVIII General Conference	Formal Session on Analysis of World Fertility Survey Data. WFS represented
13 Aug	Mexico City	UN Working Group on Social Demography Meeting	Progress reports by developed countries. WFS represented
15-17 Aug	Mexico City	WFS Regional Meeting for Latin America and the Caribbean	Experiences. Findings. Future plans
Aug	Accra	Ghana Survey	Survey started (Survey Design Visit)
Aug	Sana'a	Yemen AR Survey	Survey started (Survey Design Visit)
Aug	Kathmandu	Nepal Survey	First Country Report published
Aug	The Hague	WFS Publications Programme	<i>WFS Occasional Papers</i> no 19 (WFS Modules: Abortion, FOTCAF, Family Planning, General Mortality) published
19-23 Sep	Nairobi	PSC 9th Meeting	Funding. Staffing. Country recruitment. Dissemination of WFS publications and country reports. Constitution of TAC. Special studies. Data processing. Sampling errors. Response error studies. National and comparative analysis
Sep	Rangoon	Burma Survey	Survey started (Survey Design Visit)
Oct	Quito	Ecuador Survey	Survey started (Survey Design Visit)
Oct	Bangkok	Thailand Survey	First Country Report published

Date	Place	Context	Content
1977 (cont)			
2-4 Dec	New Delhi	IASS Workshop on Practical Problems of Survey Sampling	WFS represented
8-10 Dec	Geneva	UN Working Group on Comparative Analysis of WFS Data 1st Meeting	Identification of priority topics. Co-ordination. Comparability. Data availability. WFS represented
16 Dec	New Delhi	ISI Seminar on Statistical Problems Arising in the Analysis of WFS Data	Statistical problems. Path analysis. Standardization. Fertility indices from the WFS Questionnaire. Birth intervals
Dec	The Hague	WFS Publications Programme	<i>WFS Basic Documentation</i> no 8 (Guidelines for Country Report no 1) published
End	-	-	37 developing countries participating in WFS programme (survey design visit undertaken)
End	-	-	16 developed countries participating in WFS programme (fieldwork undertaken)
End	London	-	34 professional staff on strength
1978			
Jan	Kuala Lumpur	Malaysia Survey	First Country Report published
Jan	London	Data Archive	Specifications for contents of Standard Recode Data Files established
27 Feb - 1 Mar	Port of Spain	WFS Caribbean Meeting on Analysis of Survey Data	Progress reports. Plans for further analysis
Feb	Cairo	Egypt Survey	Survey started (Survey Design Visit)
Feb	Asunción	Paraguay Survey	Survey started (Survey Design Visit)
Feb	Seoul	Republic of Korea Survey	First Country Report published
Mar	Panama City	Panama Survey	First Country Report published
Apr	Bogotá	Colombia Survey	First Country Report published

Date	Place	Context	Content
1978 (cont)			
Apr	London	Data Archive	Machine Readable Dictionaries for Standard Recode Files introduced
Apr	London/The Hague	USA.ID 'Mini-Evaluation'	Compilation of information on current position and future participation
23-25 May	London	PSC 10th Meeting	Priority for First Country Reports and Illustrative Analyses. Country recruitment. Dissemination of country reports (including reprinting). National meetings. Further analysis. Second-round surveys. WFS conference in 1980
26 May	London	<i>Ad Hoc</i> Advisory Committee on Illustrative Analysis 1st Meeting	11/12 topics, especially 1 and 2 (direct and indirect methods for the measurement of fertility). Co-ordination with ongoing activity eg NAS, IUSSP
19-23 Jun	Pattaya, Thailand	NAS Thailand Panel Workshop on Demographic Estimates of Thailand	SOIT results. WFS represented
26-28 Jun	Paris	IUSSP CCAF Meeting	Work of other groups. Presentation on WFS. Recommendation for Maternity Histories Seminar. WFS represented
29-30 Jun	Kathmandu	National Meeting on Nepal Survey	First national meeting on a WFS survey. Findings. Family planning programme performance. Role of sterilization. Extension of services. Further analysis
Jun	Colombo	Sri Lanka Survey	First Country Report published
Jun	London	Data Archive	Establishment of Committee to Standardize Standard Recode Tapes
3-5 Jul	Colombo	National Meeting on Sri Lanka Survey	Findings. Research topics

Date	Place	Context	Content
1978 (cont)			
4 Jul	London	Data Processing	Installation of HP 3000 Computer
13 July- 11 Aug	?	International Statistical Programmes Center Workshop on Concor in Cobol	WFS represented
19 Jul	Washington, DC	WFS 1980 Conference Organizing Committee 1st Meeting	Appointment of Programme and Executive Committees. Venue, scope, organization, budget
Jul	London	Data Archive	First Standard Recode Tape (Panama)
Sep	Rabat	Morocco Survey	Survey started (Survey Design Visit)
2-3 Oct	London	WFS 1980 Conference Programme Committee 1st Meeting	Programme, papers, authors, discussants
9-12 Oct	Varna	UN Working Group on Social Demography Meeting	Developed country surveys progress reports. ECE comparative analysis plans. WFS session on statistical techniques for analysis. WFS represented
31 Oct- 2 Nov	Geneva	UN Working Group on Comparative Analysis of WFS Data 2nd Meeting	Minimum Research Programme. Position and plans of regional commissions and specialized agencies. Hermalin/Mason 'Comparative Analysis with the WFS'. WFS represented
Oct	San José	Costa Rica Survey	First Country Report published
22-24 Nov	London	Guardian-UNFPA Editors' Conference on the State of World Population	Presentation on WFS - 'The World Fertility Survey: The Current Situation and Some Findings'
27 Nov- 8 Dec	Bombay	UNESCAP-ISI/WFS-IIPS Regional Workshop on Techniques of Analysis of WFS Data	Evaluation of maternity history data in the context of estimating fertility levels and trends. Techniques of multivariate analysis
Nov	Manila	Data Processing	First application of Cogen in a country (Philippines)

Date	Place	Context	Content
1978 (cont)			
Dec	Lisbon	Portugali Survey	Survey started (Survey Design Visit)
End	-	-	40 developing countries participating in WFS programme (survey design visit undertaken <i>less</i> 1 survey stopped)
End	-	-	17 developed countries participating in WFS programme (fieldwork undertaken)
End	London	-	35 professional staff on strength
1979			
Jan	London	Data Processing	Computer Users Manual for HP 3000 introduced
6-7 Jan	Bruges	IUSSP CCAF Meeting	Seminar on Maternity Histories. Continuing need for technical assistance in data collection and analysis. Archival function of WFS. Possible role of WFS as a research and training centre. Second round of WFS surveys. WFS represented
8-11 Jan	Bruges	IUSSP-Two Belgian Demographic Institutions - Seminar on Nuptiality and Fertility	WFS represented
15-17 Jan	Bombay	UNESCAP-IIPS Consultative Meeting of Statistical Experts and Study Directors on Impact of Family Planning Programmes	WFS represented
16-23 Jan	Honolulu	East-West Population Institute-ISI/WFS Workshop on the Analysis of WFS Data	WFS represented
Jan	Abidjan	Ivory Coast Survey	Survey started (Survey Design Visit)
Jan	Jakarta	Indonesia Survey	First Country Report published

Date	Place	Context	Content
1979 (cont) 12-14 Feb	Washington, DC	PSC 11th Meeting	Country participation. Release of data. Analysis, national and comparative; country involvement. Dissemination. Archival function. Second-round and other-subject surveys. WFS Conference
13-14 Feb	Bombay	National Fertility and Mortality Survey of India Steering Committee Meeting	WFS represented
15 Feb	Washington, DC	NAS-WFS 'Progress Report on World Population Studies'	Briefing of US Congress members and staff and other organizations and individuals interested in population
19 Feb	Princeton	<i>Ad Hoc</i> Advisory Committee on Illustrative Analysis 2nd Meeting	Progress review. Nomination of referees
7-9 Mar	Jakarta	National Meeting on Indonesia Survey	Survey findings. Topics for further analysis
Mar	Dhaka	Bangladesh Survey	First Country Report published
Mar	Hong Kong	Hong Kong By-Census	WFS-type report published
Mar	Mexico City	Mexico Survey	First Country Report published
17-20 Apr	Tunis	WFS Middle East Regional Conference	Discussion of experiences, findings, plans
Apr	Nouakchott	Mauritania Survey	Survey started (Survey Design Visit)
7-8 May	Mexico City	National Meeting on Mexico Survey	Survey findings. Topics for further analysis
10-11 May	San José	National Meeting on Costa Rica Survey	Survey findings. Topics for further analysis
16-17 May	Lima	National Meeting on Peru Survey	Survey findings. Topics for further analysis
21-23 May	Cartagena	National Meeting on Colombia Survey	Survey findings. Topics for further analysis
May	Lima	Peru Survey	First Country Report published

Date	Place	Context	Content
1979 (cont)			
7-9 Jun	Penang	Seminar on Malaysian Fertility and Family Survey/Population and Development	Survey findings. Further analysis. Policy/programme uses of data
18 Jun	London	Meeting of British Computer Society Group on Computers in Survey Analysis	The World Fertility Survey and its data processing problems. WFS represented
Jun	Cotonou	Benin Survey	Survey started (Survey Design Visit)
4-5 Jul	Bombay	National Fertility and Mortality Survey of India Steering Committee Meeting	WFS represented
26-27 Jul	Woods Hole, Massachusetts	NAS Panel on Data Collection Meeting	WFS represented
Jul-Oct	London	1st WFS Data Evaluation Workshop	Participants from Dominican Republic, Mexico, Peru, Venezuela
20-22 Aug	London	WFS Expert Meeting on Methodology of Comparative Fertility Studies	Ways in which WFS could facilitate comparative analysis
Aug	The Hague	WFS Publications Programme	First two Illustrative Analyses published as <i>WFS Scientific Reports</i> nos 4 and 5
3-5 Sep	Nairobi	ISI/WFS Regional Meeting for the Countries of Africa South of the Sahara	Experiences. Findings. Plans
23 Sep-23 Nov	Bangkok	UNESCAP-ISI/WFS Workshop on the Application of Multivariate Techniques to the Analysis of WFS Data	Participants from Bangladesh, Indonesia, Korea, Malaysia, Nepal, Thailand. See also follow-up meeting, Aug 1980
27-29 Sep	Paris	Meeting of IUSSP CCAF	WFS represented
1 Oct	London	WFS 1980 Conference Executive Committee 1st Meeting	Budget. Programme. Participation. Reception. Interpretation. Publicity
17-18 Oct	Berkeley	NAS Panel on Fertility Determinants Meeting	WFS represented

Date	Place	Context	Content
1979 (cont)			
24-26 Oct	Barbados	WFS Caribbean Workshop on Union Patterns	Methods for analysing data on unions and partners and their relationship with fertility. Relevance of the various approaches to analysis of WFS data
29-30 Oct	Georgetown	National Meeting on Guyana Survey	Survey findings. Policy implications. Topics for further analysis
Oct	Georgetown	Guyana Survey	First Country Report published
19-22 Nov	Geneva	UN Working Group on Comparative Analysis of WFS Data 3rd Meeting	Review of progress. WFS represented
26 Nov-1 Dec	Monrovia	UNECA Expert Group on Fertility and Mortality Levels, Patterns and Trends in Africa and their Policy Implications	WFS represented
4-14 Dec	Manila	ISI 42nd Session	Special meeting on Analysis of World Fertility Survey Data
14-16 Dec	Manila	PSC 12th Meeting	Country participation. Release of tapes. National and comparative analysis. Workshops. Archive. WFS 1980 Conference. Follow-up surveys. General priorities of work
17-18 Dec	Manila	National Seminar on Philippines Survey	Survey findings. Strategy and topics for further analysis. Policy/programme implications and uses
Dec	Kingston	Jamaica Survey	First Country Report published
Dec	Manila	Philippines Survey	First Country Report published
Dec	London	Data Processing	Major upgrading of HP 3000 Computer
End	--	--	41 developing countries participating in WFS programme (survey design visit undertaken less 3 surveys stopped)

Date	Place	Context	Content
1979 (cont)			
End	-	-	18 developed countries participating in WFS programme (fieldwork undertaken)
End	London	--	46 professional staff on strength
1980			
Jan	Lagos	Nigerian Survey	Survey started (Survey Design Visit)
Jan-Apr	London	2nd WFS Data Evaluation Workshop	Participants from Jordan, Guyana, Indonesia, Malaysia, Philippines
17-18 Mar	Washington, DC	NAS Panel on Fertility Determinants Meeting	WFS represented
24 Mar-- 2 Apr	Addis Ababa	First Joint Conference of African Planners, Statisticians and Demographers	WFS represented
Mar	The Hague	WFS Publications Programme	First Cross-National Summary (<i>WFS Comparative Studies</i> no 1: Characteristics of the Surveys) published
Mar	London	Data Processing	Filestore system introduced
8 Apr	London	WFS <i>Ad Hoc</i> Committee on Illustrative Analysis 3rd Meeting	Review of progress
9-11 Apr	London	IUSSP-LSHTM-WFS Seminar on Analysis of Maternity Histories	Methods used in analysis of data from maternity histories
14-17 Apr	Bad Homburg	IUSSP Seminar on Determinants of Fertility Trends	WFS represented
18-19 Apr	Bad Homburg	IUSSP CCAF Meeting	WFS represented
Apr	Amman	Jordan Survey	First Country Report published
Apr	London	Data Processing/Archive	Separation of jobs of Data Archive Chief and Computer Manager

Date	Place	Context	Content
1980 (cont) 7-8 May	Amman	National Seminar on Population Growth in Jordan	Presentation of findings from Jordan survey. Policy implications and further analysis
16 May	London	--	M. Macura appointed WFS Project Director in place of Sir Maurice Kendall who resigned owing to ill-health
May	The Hague	WFS Publications Programme	<i>WFS Basic Documentation</i> no 11 (Data Processing Guidelines) published
May	The Hague	WFS Publications Programme	First WFS Data Evaluation Workshop-based report (Dominican Republic - <i>WFS Scientific Reports</i> no 14) published
Jun-- Jan 1981	Santiago	CELADE WFS In-Depth Research and Training Seminar	Participants from Colombia, Panama, Paraguay, Peru
Jun	Nairobi	Kenya Survey	First Country Report vol 1 published
Jun	Ankara	Turkey Survey	First Country Report vol 2 published
6 July	London	IUSSP CCAF Meeting	WFS represented
7-11 Jul	London	World Fertility Survey Conference	Plenary/Substantive Findings/Methodology sessions. 608 registered participants
7-11 Jul	London	WFS Working Group on the Policy Relevance of WFS and its Findings	Experience gained by administrators and scholars concerning methods and procedures relating to analysis and utilization of WFS data for national policy purposes
10 Jul	London	UN Working Group on Social Demography Meeting	Progress reports from developed countries. WFS represented
10 July	London	IUSSP CCAF Meeting	WFS represented
24-25 Jul	Michigan	NAS Panel on Fertility Determinants Meeting	WFS represented

Date	Place	Context	Content
1980 (cont)			
18-21 Aug	Lima	Meeting of Organizing Committee for Andean Seminar (AMIDEP, CCRP, CEJLADE, ONE)	WFS represented
18-22 Aug	Bangkok	UNESCAP-ISI/WFS Workshop on the Application of Multivariate Techniques to the Analysis of WFS Data (follow-up)	Follow-up to workshop 23 Sep-23 Nov 1979, to finalize papers. Participants from Bangladesh, Indonesia, Korea, Malaysia, Nepal, Thailand
11-13 Sep	Belgrade	ISI/WFS Working Group on Analysis of WFS Data	Analytic use of WFS data in relation to socio-economic factors affecting fertility. Coverage of such factors in WFS instruments, with implications for future surveys
22-23 Sep	Bogotá	Colombia National Seminar on Second-Stage Analysis	Discussion of four second-stage analysis projects including three Illustrative Analyses
28-31 Oct	Bogotá	Meeting of IUSSP Committee for the Analysis of Family Planning Programmes	Use of WFS Data in evaluating family planning programmes. Revision of WFS module. WFS represented
Oct	Ankara	Turkey Survey	First Country Report vol 1 published
Oct-Feb 1981	London	3rd WFS Data Evaluation Workshop	Participants from Cameroon, Haiti, Senegal; a member of WFS staff on behalf of Tunisia
6-7 Nov	Istanbul	1978 Turkish Fertility Survey Conference	Findings. Policy implications. Topics for further analysis
18-21 Nov	Geneva	UN Working Group on Comparative Analysis of WFS Data 4th Meeting	Review of 16 papers from UN agencies. WFS represented
Nov	Caracas	Venezuela Survey	First Country Report vol 2 published
11-13 Dec	Seoul	In-Country Seminar on Findings from Republic of Korea Survey	Presentation and discussion of 8 analytical reports
During	Paris	Guadeloupe and Martinique Survey	Report published

Date	Place	Context	Content
1980 (cont)			
End	-	-	42 developing countries participating in WFS programme (survey design visit undertaken less 3 surveys stopped)
End	-	-	19 developed countries participating in WFS programme (fieldwork undertaken)
End	London	-	42 professional staff on strength
1981			
5 Jan-13 Feb	Honolulu	World Fertility Survey Working Group (East-West Population Institute - Princeton University)	Facilitation of Asian region comparative analysis and of national analysis by participants from Bangladesh, Indonesia, Korea, Malaysia, Nepal, Pakistan, Philippines, Sri Lanka, Thailand. WFS represented
7-20 Jan	Lima	Andean Seminar on the Dynamics of Fertility in the Andean Region (AMIDEP, CCRP, CELADE, ONE)	Participants from Bolivia, Chile, Colombia, Ecuador, Peru, Venezuela. WFS represented
12-13 Jan	Santa Monica	NAS Panel on Fertility Determinants Meeting	WFS represented
5-6 Feb	Princeton	PSC 13th Meeting	Future of WFS programme and organization. Completion of existing commitments. Assessment and documentation of experience. Archiving of data. Encouragement of analysis and use of data. Continuation of fertility surveys in the future
31 Mar	London	-	M. Macura relinquished post of WFS Project Director. V.C. Chidambaram appointed to act
Mar	London	Data Processing	Establishment of Coding and Dictionary Committee
Mar	London	Data Processing	Interface of WFS Dictionaries with SPSS

Date	Place	Context	Content
1981 (cont)			
7-20 Apr	Addis Ababa	WFS SPSS training course at UNECA Population Division	Training in use of SPSS, with a view to facilitating UN Comparative Analysis Programme for WFS Data
20-24 Apr	New York	NHSCP Technical Meeting	WFS represented
Apr	London	Data Processing	Computing Operations Procedures Manual introduced
Apr	London	Data Archive	Data Archive Handbook introduced
Jun	Port-au-Prince	Haiti Survey	First Country Report vol 1 published
Jun	Asunción	Paraguay Survey	First Country Report published
7-10 Jul	Dakar	IUSSP Seminar on Methodology and Data Collection in Mortality Studies	WFS represented
21 Jul	London	--	D.J van de Kaa appointed WFS Project Director
Jul	Port-au-Prince	Haiti Survey	First Country Report vol 2 published
Jul	Nairobi	Kenya Survey	First Country Report vol 2 published
Jul	Dakar	Senegal Survey	First Country Report published
Jul	London	Data Processing	Sub-Routines Manual introduced
5-8 Aug	Sao Paolo	IUSSP Seminar on Family Types and Fertility in Less Developed Countries	WFS represented
6-8 Aug	Sao Paolo	IUSSP CCAF Meeting	WFS represented
31 Aug-2 Sep	Woods Hole	NAS Panel on Fertility Determinants Meeting	WFS represented
Sep	London	Data Processing	Extension of Dictionaries to handle Raw Data Files

Date	Place	Context	Content
1981 (cont) Sep-Dec	London	4th WFS Data Evaluation Workshop	Participants from Syria, Trinidad and Tobago, Turkey; member of WFS staff on behalf of Lesotho
13-15 Oct	Dakar	Seminar for Presentation and Dissemination of the Senegal Survey Findings	Survey findings. Evaluation of data. Population problems and their solution. Proposals for research
14-15 Oct	Port-au-Prince	National Seminar on the Haiti Survey Findings	Survey findings. Evaluation of data. Family planning relevance. Further research
20-23 Oct	Bangkok	UN Population Division - WHO Meeting on Data Bases for Measurement of Levels, Trends and Differentials in Mortality	WFS represented
30 Nov-11 Dec	Buenos Aires	ISI 43rd Session	Presentation on WFS
1-4 Dec	Genting Highlands, Malaysia	IUSSP Seminar on the Analysis of the WFS Family Planning Module	Usefulness and limitations of the module in the context of work of IUSSP Committee on the Analysis of Family Planning Programmes. Modifications for future survey work. WFS represented
7-8 Dec	Manila	IUSSP CCAF Meeting	WFS represented
9-16 Dec	Manila	IUSSP XIX General Conference	Special session 'Some Findings Emerging from the Analysis of WFS Data'
Dec	Maseru	Lesotho Survey	First Country Report published
Dec	Port of Spain	Trinidad and Tobago Survey	First Country Report published
Dec	The Hague	-	ISI Bureau decision that WFS programme should terminate in mid-1984
End	-	-	42 developing countries participating in WFS programme (survey design visit undertaken less 3 surveys stopped)

Date	Place	Context	Content
1981 (cont)			
End	-	-	20 developed countries participating in WFS programme (fieldwork undertaken)
End	London	-	37 professional staff on strength
1982			
11-12 Jan	Port of Spain	Trinidad and Tobago Survey National Meeting	Findings. Evaluation of data quality. Policy implications. Plans and priorities for further research
14-15 Jan	Kingston	Jamaica Survey Seminar	Policy implications of findings. Further research
26-29 Jan	Geneva	UN Working Group on Comparative Analysis of WFS Data 5th Meeting	Consideration of 20 draft reports. WFS represented
Jan	London	-	UK Minister for Overseas Development announced UK Government core support of £250 000 for 1982/83
18-19 Feb	London	PSC 14th Meeting	Relative priorities for remaining period of WFS programme
Feb	London	WFS London Office Organization	Regrouped into 3 divisions - survey operations, archive and data processing; data analysis and assessment; administration, information and workshops
Feb	The Hague	WFS Publications Programme	<i>World Fertility Survey Conference 1980: Record of Proceedings</i> published
29-30 Mar	New York	UNFPA-WHO Meeting on Natural Family Planning	WFS represented
Mar-Jun	London	WFS Workshop on the Analysis of the Data from the FOTCAF Module	Investigation of the factors affecting the onset, spacing and termination of childbearing. Participants from Ghana, Haiti, Lesotho, Philippines, Syria, Tunisia
1-2 Apr	Manila	Philippines Survey Second-Stage Analysis Seminar	Review of progress of analysis studies. WFS represented

Date	Place	Context	Content
1982 (cont) 26-28 Apr	Khartoum	Second Sudan National Population Conference: Aspects of Population Change and Development in Sudan	Special working sessions on STS findings. Policy analysis. WFS represented
Apr	Khartoum	Sudan (N) Survey	First Country Report vol 1 published
Apr	London	Data Processing	Software Users Manual introduced
May	Damascus	Syria Survey	First Country Report vol 1 published
2-3 Jun	Geneva	NHSCP Meeting	WFS represented
7-8 Jun	Manila	Philippines Survey Second-Stage Analysis Seminar	Review of progress of analysis studies. WFS represented
Jun	New York	UNDP Governing Council 29th Session	Governing Council approved extension of WFS programme for final 2 years, with UNFPA funding of \$2 million
Jun	The Hague	WFS Publications Programme	First report in <i>Comparative Studies</i> subseries <i>ECE Analysis of WFS Surveys in Europe and USA (WFS Comparative Studies</i> no 18, Basic Characteristics, Sample Designs and Questionnaires) published
Jun	London	Data Archive	Database online
1 Jul	London	-	H. Gille replaced D.J. van de Kaa as WFS Project Director
25 Jul- 13 Aug	London	WFS Working Group on Birth Intervals	Following-up and consolidation of recent developments in topic area
Jul	Khartoum	Sudan (N) Survey	First Country Report vol 2 published
Jul	Caracas	Venezuela Survey	First Country Report vol 1 published

Date	Place	Context	Content
1982 (cont) 26-28 Aug	Maseru	Seminar on Population Planning for Development: the Lesotho 1976 Population Census and 1977 Fertility Survey in Perspective	Findings and methodological lessons. Evaluation of data. Policy implications. WFS represented
30 Aug-1 Sep	Damascus	Scientific Seminar on the Results of the Syria Fertility Survey	Findings from survey and in-depth studies. Evaluation of data. Policy implications
Aug	Damascus	Syria Survey	First Country Report vol 2 published
6-8 Sep	Port of Spain	WFS Caribbean Second-Stage Analysis Seminar	Discussion of 5 drafts and finalization of publication plans
27-29 Sep	Mexico	Seminar to Evaluate Mexican Family Planning Programmes	WFS represented
Sep-Nov	London	5th WFS Data Evaluation Workshop	Participants from Egypt, Ghana, Portugal
Oct-Nov	Cairo	Training course at CAPMAS in SPSS	20 participants from CAPMAS
22-23 Nov	Washington, DC	NAS Conference on Fertility Research and Population Policy in Developing Countries	Presentation of main findings of work of Panel on Fertility Determinants. Implications for population policies and programmes. WFS represented
5-7 Nov	Liège	IUSSP Committee on Comparative Analysis of Fertility and Family Planning Meeting	WFS represented
Dec	Dakar	Training course in SPSS, with aid of INED	Participants researchers responsible for analysis of data from Senegal Fertility Survey
Dec	The Hague	WFS Publications Programme	Final two Illustrative Analyses published (Breastfeeding in Pakistan, and Family Structure and Fertility - <i>WFS Scientific Reports</i> nos 37 and 39 respectively) published

Date	Place	Context	Content
1982 (cont)			
End	-	-	42 developing countries participating in WFS programme (survey design visit undertaken less 3 surveys stopped)
End	-	-	20 developed countries participating in WFS programme (fieldwork undertaken)
End	London	-	31 professional staff on strength
1983			
5-11 Jan	New Delhi	UN Expert Group Meeting on Fertility and the Family	Preparatory to 1984 International Conference on Population. WFS represented
17 Jan-25 Feb	Bangkok	UNESCAP Workshop on the Analysis of Fertility and Nuptiality	Participants from Indonesia, Korea, Malaysia, Pakistan, Philippines, Thailand. WFS represented on teaching staff
24 Feb-4 Mar	Paris	IUSSP Meeting on Social Policy, Health Policy and Mortality Prospects	WFS represented
22-26 Mar	Asunción	National Meeting on Paraguay Survey	Survey findings. Further dissemination and need for further surveys. Maternal and child health. Contraceptive use
Mar	Lisbon	Portugal Survey	First Country Report published
Mar-Jun	London	WFS Workshop on Community Factors and Infant Mortality	Participants from Bangladesh, Cameroon, Ecuador, Egypt, Ivory Coast, Peru
Apr	Yaoundé	Cameroon Survey	First Country Report vol 2 published
Apr-Jun	Santiago	6th WFS Data Evaluation Workshop	Participants from Ecuador, Dominican Republic, Paraguay
3-4 May	London	PSC 15th Meeting	Work plan for completion of programme, including winding-up activities. Assessment of WFS experience. 1984 Symposium. Future of WFS archive. Future fertility surveys

Date	Place	Context	Content
1983 (cont)			
30 May– 3 Jun	Rome	UN Expert Group Meeting on Mortality and Health Policies	Preparatory to 1984 International Conference on Population. WFS represented
20–24 Jun	London	WFS Seminar on Collection and Analysis of Data on Community and Institutional Factors	Assessment of WFS experience and discussion of guidelines for future collection and analysis of community data
Jun	Yaoundé	Cameroon Survey	First Country Report vol I published
Jun	Accra	Ghana Survey	First Country Report published
Jun	Tunis	Tunisia Survey	First Country Report published
11–22 Jul	Accra	UN RIPS Workshop on Techniques of Estimation of Fertility and Mortality	40 participants from 19 African countries. WFS represented on lecturing staff
12–22 Sep	Madrid	ISI 44th Session	Scientific meeting on WFS
21–22 Sep	Washington, DC	USAID Expert Group Meeting	Collection, analysis and use of demographic and family planning data. WFS represented
Sep–Dec	London	7th WFS Data Evaluation Workshop	Participants from Benin, Ivory Coast, Mauritania, Morocco, Sudan, Yemen AR
6–12 Oct	Sofia	UNFPA–ECE Meeting on Population	WFS represented
21–25 Nov	Yaoundé	National Meeting on Cameroon Survey	Survey findings. Dissemination of information to researchers and public at large. Support for proposal for Population Commission
6–7 Dec	Lisbon	National Meeting on Portugal Survey	Survey findings. Evaluation of data
18–20 Dec	Cairo	International Conference on Fertility	Survey findings and second-stage analysis. Family planning programmes. Future fertility surveys
Dec	Cairo	Egypt Survey	First Country Report published

Date	Place	Context	Content
1983 (<i>cont</i>)			
End	-	-	42 developing countries participating in WFS programme (survey design visit undertaken less 3 surveys stopped)
End	-	-	20 developed countries participating in WFS programme (fieldwork undertaken)
End	London	-	23 professional staff on strength
1984			
1 Jan	London	WFS London Office Organization	Management restructured as Project Director, Deputy Project Director, and three Division Chiefs - analysis and assessment; country work and cross-national summaries; archive and computer
Jan	Quito	Ecuador Survey	First Country Report published
24-27 Apr	London	WFS Symposium	Presentation of findings from programme of assessment of the WFS experience
29 Apr-1 May	London	IUSSP-WFS Proximate Determinants Seminar	Integration of proximate determinants into the analysis of fertility levels and trends
Apr	Sana'a	Yemen AR Survey	First Country Report (English version) published
21-22 May	Rabat	National Meeting on Morocco Survey	Survey findings. Further analysis. Policy implications
May	Rabat	Morocco Survey	First Country Report published
16-17 Jun	Nouakchott	National Meeting on Mauritania Survey	Survey findings. Use of data. Further analysis. Health policy, including maternal and child health. Population policy
22-23 Jun	Cotonou	National Meeting on Benin Survey	Survey findings. Use of data. Co-ordination of surveys
Jun	Cotonou	Benin Survey	First Country Report published
Jun	Nouakchott	Mauritania Survey	First Country Report published

Date	Place	Context	Content
1984 (cont)			
30 Jun	London	WFS Programme	Formal end of programme, with 42 developing and 20 developed countries having participated
6-13 Aug	Mexico City	International Conference on Population	ISI represented
19-21 Sep	Lagos	National Meeting on Nigeria Survey	Survey findings. Analysis possibilities. Policy implications
Sep	Lagos	Nigeria Survey	First Country Report published
Sep	Sana'a	Yemen AR Survey	First Country Report (vol 1, Arabic version) published
22-25 Oct	New York	UN Working Group on Comparative Analysis of WFS Data 6th Meeting	Preparation of final publication on fertility patterns and differentials based on WFS data. Future role of UN system in collection and analysis of fertility survey data. ISI represented
Dec	Abidjan	Ivory Coast Survey	First Country Report published
1985			
Jul	The Hague	WFS Publications Programme	<i>WFS Basic Documentation</i> no 12 (Software User's Manual) published
Dec	Oxford	WFS Publications Programme	<i>The World Fertility Survey: an Assessment</i> published by OUP

Appendix 2

Country Participation in the WFS Programme Developing Countries

Country	Total population mid-1984 (millions)*	Language(s) used in individual questionnaire	Modules	Supplementary studies	Achieved sample size (individual interview)
Africa					
Benin	3.9	French, Adja, Bariba, Dendi, Ditamari, Fon, Yorouba	FOTCAF, † General mortality (in part)	--	4018
Cameroon	9.4	English, French, Pidgin A and B, Bamun, Bassa, Dschang, Duala, Ewondo, Fulfu de, Gomala, Kaku, Matakam, Medumba	Community-level (in part), FOTCAF, General mortality (in part)	Linguistic	8219
Ghana	14.3	English, Asante-Twi, Dagbani, Dangbe, Ewe, Fante, Ga, Hausa, Kasem, Nzema. 19 other languages translated in the field	Family planning, FOTCAF	--	6125
Ivory Coast	9.2	French, Attié, Baoulé, Bété, Dioula, Gouro, Guéré, Koulango, Mossi, Senoufo, Yacouba	Community-level (in part), FOTCAF	Husbands survey, Editing experiment, Survey costs experiment	5764 (Husband survey - 506)
Kenya	19.4	English, Akaba, Kalenjin, Kikuyu, Kisii, Kiswahili, Luyia, Luo, Meru, Mijikenda	Family planning (in part), FOTCAF	--	8100
Lesotho	1.5	Sesotho	FOTCAF, General mortality	Response error	3603

* Source: Population Reference Bureau, Inc. - 1984 World Population Data Sheet.

† Factors other than contraception affecting fertility.

Date of survey design visit	Date of commencement of fieldwork (individual survey)	Date of creation of restructured data file	Date first data file distributed (outside WFS and UN)	Date of publication of First (main) Country Report	Date of national meeting for survey presentation
June 1979	December 1981	June 1983	January 1984	June 1984	June 1984
May 1976	January 1978	January 1982	January 1983	April 1983 (vol 2) June 1983 (vol 1)	November 1983
August 1977	February 1979	August 1981	October 1982	June 1983	-
January 1979	August 1980	March 1983	-	December 1984	-
August 1975	August 1977	July 1979	February 1980	June 1980 (vol 1) July 1981 (vol 2)	-
January 1976	August 1977	November 1979	December 1980	December 1981	August 1982

Country	Total population mid-1984 (millions)*	Language(s) used in individual questionnaire	Modules	Supplementary studies	Achieved sample size (individual interview)
Mauritania	1.8	Hassania, Poular, Soninké, Wolof	Community-level (in part), FOTCAF, General mortality	-	3500
Morocco	23.6	Arabic	Family planning, Fertility regulation, General mortality	Public health	5800
Nigeria	88.1	English, Efik, Hausa, Ibo, Kanuri, Nupe, Yoruba	Community-level (in part), FOTCAF (in part)	--	9727
Senegal	6.5	Mandinka, Poular, Serer, Wolof	FOTCAF (in part), General mortality (in part)	-	3985
Sudan (North)	21.1	Arabic Bejawi } oral Dongli } only Nubian }	Community-level (in part), Family planning, FOTCAF, General mortality	PES†	3115
Tunisia	7.0	Arabic	Abortion, Family planning (in part), FOTCAF	-	4123
Asia and Pacific					
Bangladesh	99.6	English, Bengali	Abortion, Community-level (in part), Economic (in part), Fertility regulation, FOTCAF (in part)	PES	6504
Fiji	0.7	English, Fijian, Hindi	Not applicable but some module-type questions were included	PES	4928
Hong Kong (associate status)	5.4	English, Chinese	Not applicable	-	-
Indonesia‡	161.6	Bahasa Balinese } oral Sundanese } only Javanese } Maduranese }	Abortion (in part), Family planning (in part), Fertility regulation	PES	9155

* Source: Population Reference Bureau, Inc. - 1984 World Population Data Sheet.

† Post-enumeration survey.

‡ Java and Bali only.

Date of survey design visit	Date of commencement of fieldwork (individual survey)	Date of creation of restructured data file	Date first data file distributed (outside WFS and UN)	Date of publication of First (main) Country Report	Date of national meeting for survey presentation
April 1979	February 1981	May 1983	December 1983	June 1984	June 1984
September 1978	April 1980	June 1983	–	May 1984	May 1984
January 1980	October 1981	June 1984	August 1984	September 1984	September 1984
June 1977	May 1978	July 1980	July 1983	July 1981	October 1981
June 1977	December 1978	April 1981	June 1982	April 1982 (vol 1) July 1982 (vol 2)	April 1982
May 1977	May 1978	October 1981	May 1983	June 1983	–
January 1975	December 1975	November 1977	January 1979	March 1979	–
July 1973	February 1974	July 1975	November 1977	December 1976	–
–	August 1976	–	–	March 1979	–
June 1975	March 1976	October 1977	July 1978	January 1979	March 1979

Country	Total population mid-1984 (millions)*	Language(s) used in individual questionnaire	Modules	Supplementary studies	Achieved sample size (individual interview)
Iran	43.8	Farsi	Fertility regulation	Husbands survey	4878 (husbands survey - 700 approx)
Korea, Rep. of	42.0	Korean	Abortion (in part), Community-level (in part), Economic (in part), Family planning (in part), Fertility regulation (in part), General mortality	-	5430
Malaysia†	15.3	English } official Malay } Chinese } unofficial Tami' }	Abortion, Community-level (in part), Economic (in part), Family planning (in part), Fertility regulation (in part)	-	6321
Nepal	16.6	Bhojpuri, Mathal, Nepali	Abortion (in part), Family planning, Fertility regulation (in part)	-	5940
Pakistan	97.3	Baluchi, Punjabi, Pushto, Sindhi, Urdu	Abortion (in part), Community-level (in part)	PES	4952
Philippines	54.5	English, Bicol, Cebuano, Hiligaynon, Ilocano, Samar-Leyte, Pampango, Pangasinan, Tagalog	Abortion, Community-level (in part), Family planning, Fertility regulation, FOTCAF, General mortality (in part)	PES	9268
Sri Lanka	16.1	English, Sinhalese, Tamil	Fertility regulation, Economic (in part)	-	6810
Thailand	51.7	Thai	Community-level (in part), Economic (in part)	Husbands survey	3820 (Husbands survey - 2967)

* Source: Population Reference Bureau, Inc. - 1984 World Population Data Sheet.

† Peninsular Malaysia only.

Date of survey design visit	Date of commencement of fieldwork (individual survey)	Date of creation of restructured data file	Date first data file distributed (outside WFS and UN)	Date of publication of First (main) Country Report	Date of national meeting for survey presentation
July 1976	May 1977	--	--	--	--
February 1974	September 1974	February 1977	March 1979	February 1978	--
April 1974	August 1974	May 1976	July 1980	January 1978	June 1979
September 1975	April 1976	November 1976	September 1978	August 1977	June 1978
July 1974	May 1975	March 1976	October 1978	March 1977	--
September 1976	March 1978	May 1979	January 1980	December 1979	December 1979
January 1975	August 1975	June 1977	November 1978	June 1978	July 1978
June 1974	March 1975	November 1976	March 1980	October 1977	--

Country	Total population mid-1984 (millions)*	Language(s) used in individual questionnaire	Modules	Supplementary studies	Achieved sample size (individual interview)
Caribbean					
Guadeloupe and Martinique (associate status)	0.6	French, Creole	None	-	Guadeloupe: 1400 Martinique: 1400
Guyana	0.8	English (Caribbean version of WFS core questionnaire)	Fertility regulation	-	4642
Haiti	5.5	Creole	FOTCAF (in part)	-	3350
Jamaica	2.4	English (Caribbean version of WFS core questionnaire)	Economic (in part), Fertility regulation	-	3096
Trinidad and Tobago	1.2	English (Caribbean version of WFS core questionnaire)	Abortion, Economic (in part), Family planning (in part)	-	4359
Europe					
Portugal	10.1	Portuguese	Family planning (in part), Fertility regulation, Economic (in part)	-	5148
Latin America					
Colombia	28.2	Spanish	Abortion, Family planning, Fertility regulation	-	5378
Costa Rica	2.5	Spanish	Abortion, Family planning, Fertility regulation	-	3935
Dominican Republic	6.3	Spanish	Fertility regulation	Response error	3115

* Source: Population Reference Bureau, Inc. - 1984 World Population Data Sheet.

Date of survey design visit	Date of commencement of fieldwork (individual survey)	Date of creation of restructured data file	Date first data file distributed (outside WFS and UN)	Date of publication of First (main) Country Report	Date of national meeting for survey presentation
-	Guadeloupe: October 1975 Martinique: January 1976	-	-	1980	-
October 1974	May 1975	November 1978	October 1979	October 1979	October 1979
March 1975	July 1977	June 1980	September 1982	June 1981 (vol 1) July 1981 (vol 2)	October 1981
October 1974	November 1975	March 1979	October 1979	December 1979	January 1982
March 1976	March 1977	November 1979	April 1980	December 1981	January 1982
December 1978	November 1979	November 1981	January 1983	March 1983	December 1983
May 1975	May 1976	June 1977	January 1979	April 1978	May 1979
September 1975	July 1976	September 1977	October 1978	October 1978	May 1979
August 1974	April 1975	March 1976	October 1979	October 1976	-

Country	Total population mid-1984 (millions)*	Language(s) used in individual questionnaire	Modules	Supplementary studies	Achieved sample size (individual interview)
Ecuador	9.1	Spanish, Quechua (oral)	Community-level (in part), Economic (in part), Fertility regulation	-	6797
Mexico	77.7	Spanish	Community-level (in part), Economic (in part), Family planning (in part), General mortality (in part)	-	7310
Panama	2.1	Spanish	Abortion, Fertility regulation	-	3701
Paraguay	3.6	Spanish, Guarani (oral)	Family Planning, Fertility regulation	-	4622
Peru	19.2	Spanish, Aymara, Quechua (Ancash, Ayacucho, Cuzco)	Community-level (in part), Fertility regulation, General mortality	Response error	5640
Venezuela	18.6	Spanish	Economic (in part), Family planning, Fertility regulation	-	4361
Middle East					
Egypt	47.0	Arabic	Community-level (in part), Family planning, Fertility regulation, FOTCAF (in part)	Household economic survey, Husbands survey	8788 (husbands survey - 2312)
Jordan†	3.5	Arabic	Abortion (in part), Community-level (in part), Fertility regulation, General mortality	-	3610
Syria	10.1	Arabic	Community-level (in part), FOTCAF, Economic (in part), General mortality	-	4487

* Source: Population Reference Bureau, Inc. - 1984 World Population Data Sheet.
† East Bank only.

Date of survey design visit	Date of commencement of fieldwork (individual survey)	Date of creation of restructured data file	Date first data file distributed (outside WFS and UN)	Date of publication of First (main) Country Report	Date of national meeting for survey presentation
October 1977	August 1979	January 1982	November 1982	January 1984	-
June 1975	July 1976	August 1978	March 1980	March 1979	May 1979
October 1974	December 1975	December 1976	May 1979	March 1978	-
February 1978	February 1979	January 1980	March 1982	June 1981	March 1983
August 1976	July 1977	July 1978	September 1979	May 1979	May 1979
June-July 1976	March 1977	May 1979	August 1981	November 1980 (vol 2) July 1982 (vol 1)	-
February 1978	February 1980	April 1982	December 1982	December 1983	December 1983
October 1975	June 1976	July 1978	September 1979	April 1980	May 1980
February 1977	June 1978	January 1981	September 1981	May 1982 (vol 1) August 1982 (vol 2)	August 1982

Country	Total population mid-1984 (millions)*	Language(s) used in individual questionnaire	Modules	Supplementary studies	Achieved sample size (Individual interview)
Turkey	50.2	Turkish	Abortion (in part), Economic, Family planning, Fertility regulation (modified)	Response error	4431
Yemen Arab Republic	5.9	Arabic	FOTCAF, General mortality		2605

* Source: Population Reference Bureau, Inc. - 1984 World Population Data Sheet.

Date of survey design visit	Date of commencement of fieldwork (individual survey)	Date of creation of restructured data file	Date first data file distributed (outside WFS and UN)	Date of publication of First (main) Country Report	Date of national meeting for survey presentation
August 1976	September 1978	March 1980	-	June 1980 (vol 2) October 1980 (vol 1)	November 1980
August 1977	September 1979	August 1982	November 1983	April 1984 (vol 1 English, vol 2 September 1984 (vol 1 Arabic)	-

Appendix 3

National Executive Agencies, National Directors, Survey Directors – Developing Countries

Country	National Executive Agency(ies)	National Director(s)	Survey Director(s)
Africa			
Benin	Institut National des Statistiques et de l'Analyse Economique	E. Amoussou J. Zounon	S. Adjahoutonon
Cameroon	Direction de la Statistique et de la Comptabilité Nationale, Ministère de l'Economie et du Plan	N. Ngae T. Komguez	A. Nkougourou J. Tayo
Ghana	Central Bureau of Statistics; National Family Planning Secretariat	S.K. Kwafo	J.Y. Owusu
Ivory Coast	Direction de la Statistique, Ministère du Plan et de l'Industrie	J. Amissah N. Meite	G. Delaine N'zi M. Diallo
Kenya	Central Bureau of Statistics	P. Singh O. Agunda	J. Kekovole
Lesotho	Bureau of Statistics	A.M. Monyake L.T. Tuoane	A.M. Mpiti
Mauritania	Bureau Centrale de Recensement, Ministère du Plan (later Direction de la Statistique et de la Comptabilité Nationale)	A.I. Sy Isselmou Ould Mohamed	Cheikh Ould Sidi Abderrahmane
Morocco	Ministère de la Santé Publique	A. Alaoui	M. Ouakrim
Nigeria	National Population Bureau (later National Population Commission)	F.J. Falodun	B. Morah
Senegal	Direction de la Statistique	L. Diop I.L. Diop A. Thiongane	K. Diop L. Gueye

Country	National Executive Agency(ies)	National Director(s)	Survey Director(s)
Sudan (North)	Department of Statistics, Ministry of Finance, Planning and National Economy (later Ministry of National Planning)	O.A. El-Tay	A. Modawi
Tunisia	Office National de Planning Familial et de la Population	M.B'Chir S. Chater	M. Ayad M. Baraket
Asia and Pacific			
Bangladesh	Population Planning Division, Ministry of Health and Population Planning (later Ministry of Health, Population Control and Family Planning)	A.R. Khan A.F. Matin M.H. Ali S. Waliullah	N. Ali
Fiji	Bureau of Statistics	M.A. Sahib R.N. Lodhia J. King	
Indonesia	Central Bureau of Statistics	S. Suharto S.G.M. Mamas	H. Sigit B. Sungkono
Iran	Statistical Centre of Iran	N. Maroufi Zarin-Kat S. Tamrazian	
Korea, Rep. of	National Bureau of Statistics, Economic Planning Board; Korean Institute for Family Planning (later Korean Institute for Population and Health)	S.K. Chang J.H. Hwang H.K. Kim D.Y. Kim Y.J. Shin	E.H. Choe
Malaysia	Department of Statistics; National Family Planning Board	R. Chander A.Abdul Rahman Noor Laily bt Dato'Abu Bakar	V.T. Palan
Nepal	Nepal Family Planning/Maternal and Child Health Project, Ministry of Health	B.R. Pande	J. Tuladhar
Pakistan	Training Research and Evaluation Centre, Population Council of Pakistan (later Population Welfare Division, Ministry of Planning and Development)	K. Siddiqui	M. Nizamuddin
Philippines	National Census and Statistics Office	T. Mijares M.B. Concepción	

Country	National Executive Agency(ies)	National Director(s)	Survey Director(s)
Sri Lanka	Ministry of Planning and Economic Affairs (later Ministry of Plan Implementation); Department of Census and Statistics	S.A. Meegama W.A.A.S. Peiris W.S.M. Fernando	D. Fernando
Thailand	National Statistical Office; Institute of Population Studies; National Economic and Social Development Board	P. Panitchpakdi A. Wanglee V. Prachuabmoh N. Debavalya P. Pitaktepsombati	
Europe			
Portugal	National Institute of Statistics	G. Costa	J.J. Pais Morais
Caribbean			
Guyana	Statistical Bureau, Ministry of Economic Development	J. John P. Chase B. Bowman	
Haiti	Institut Haïtien de Statistique (later Institut Haïtien de Statistique et d'Informatique)	J. Vilgrain E.P. Casséus W. Joseph M. Duplón	D. Moïse
Jamaica	Department of Statistics	C. McFarlane	
Trinidad and Tobago	Central Statistical Office	L. Pujadas	L. Hewitt
Latin America			
Colombia	Corporación Centro Regional de Población (CCRP); Dept. Administrativo Nacional de Estadística	G. López-Escobar	E. Prado
Costa Rica	Dirección General de Estadística y Censos	R. Sánchez Bolaños R. Trigueros M.	V. Rodríguez de Ortega E. Cordero
Dominican Republic	Consejo Nacional de Población y Familia (CONAPOFA)	N. Ramírez L. González Fabra F. Mangual R. Portes Carrasco	L. Báez

Country	National Executive Agency(ies)	National Director(s)	Survey Director(s)
Ecuador	Instituto Nacional de Estadística y Censos	G. Acosta F. Páez W. Ruales	P. Merlo
Mexico	Dirección General de Estadística	L.E. Rosas-Landa C. Camacho Gaos	C. Weiti-Chanés
Panama	Oficina de Estudios de Población, Ministerio de Salud	J.A. Barahona S.	F. Mascarín
Paraguay	Ministerio de Salud Pública; Dirección de Estadística	J. Diaz de Bedoya	D. Vera
Peru	Instituto Nacional de Estadística	W. Caballero G. Fernández Baca de Valdez	V.G. de Villacorta V.G. Díaz Y. Céspedes
Venezuela	Dirección General de Estadística (later Oficina Central de Estadística e Informática)	J. Páez Celis H. Martínez O.R. de Supelano	L.A. Escalona C. de Quintero
Middle East			
Egypt	Central Agency for Public Mobilisation and Statistics	A.L. Farag G. Askar A.M. Hallouda	M.H. El-Gindy
Jordan	Department of Statistics	S. El Asad W. Asef B.N. Shrydeh	F. El-Hiyari
Syria	Central Bureau of Statistics; Centre for Population Surveys and Research	A. Radjai F. El-Baustani M.N. El-Hallak A.M. Al Akhras	M.N. El-Hallak
Turkey	Institute of Population Studies, Hacettepe University	M. Çoruh E. Tunçbilek	S. Üner
Yemen AR	Department of Statistics, Central Planning Organization	T. Ali M.E. Aggag Y. El-Kaizal	A.S. Saif

Appendix 4

Country Participation in the WFS Programme – Developed Countries

Country	Total population mid-1984 (millions)*	National executive agency	Achieved sample size	Timing of fieldwork
Belgium (Flemish part only)	9.9	Population and Family Study Centre, Dept. of Public Health and the Family, Brussels	4863	1975-6
Bulgaria	9.0	Scientific Research Institute of Statistics, Sofia	6911	1976
Czechoslovakia	15.5	Federal Statistical Office, Prague	3041	1977
Denmark	5.1	Danish National Institute of Social Research, Copenhagen	5240	1975
Finland	4.9	Population Research Institute, Helsinki	5449	1977
France	54.8	Institut National d'Etudes Démographiques, Paris, in co-operation with Institut National de la Statistique et des Etudes Economiques	3018 women 600 males	1977-8
Great Britain	56.5	Office of Population Censuses and Surveys, London	6589	1976
Hungary	10.7	Hungarian Central Statistical Office, Budapest	4009	1977
Israel	4.2	Central Bureau of Statistics and the Hebrew University of Jerusalem	6000† 21 000‡	1973-5
Italy	57.0	Universities of Padua, Florence, Rome	5499 women 850 males	1979
Japan	119.9	Dept. of Statistics and Information, Ministry of Health and Welfare, Tokyo	2860	1974

* Source: Population Reference Bureau, Inc. – 1984 World Population Data Sheet.

† Long questionnaire.

‡ Short questionnaire.

Country	Total population mid-1984 (millions)*	National executive agency	Achieved sample size	Timing of fieldwork
Netherlands (11 marriage cohorts only)	14.4	Netherlands Interuniversity Demographic Institute, Voorburg	4522	1975
Norway	4.1	Central Bureau of Statistics, Oslo	4137	1977-8
Poland	36.9	Central Statistical Office, Warsaw	9799	1977
Romania	22.7	Population Commission of Romania, Bucharest	10 141	1978
Spain	38.4	Instituto Nacional de Estadística, Madrid	6290	1977
Sweden	8.3	Statistics Sweden, Stockholm	5000	1981
Switzerland	6.5	University of Zürich	601	1980
USA	236.3	National Center for Health Statistics, Washington, DC	8611	1976
Yugoslavia	23.0	Federal Institute of Statistics, Belgrade	8115	1976

* Source: Population Reference Bureau, Inc. - 1984 World Population Data Sheet.

Appendix 5

Workshops

Date	Place	Workshop/topics	Sponsor(s)
27 Nov– 8 Dec 1978	International Institute for Population Studies (IIPS), Bombay	Regional Workshop on Techniques of Analysis of WFS Data: (a) Evaluation of Maternity History Data; (b) Techniques of Multivariate Analysis	UNESCAP; ISI/WFS IIPS
Jul–Oct 1979	WFS London	1st WFS Data Evaluation Workshop	ISI/WFS
23 Sep– 23 Nov 1979 and follow-up Aug 1980	Asian Institute of Technology, Bangkok	Workshop on the Application of Multivariate Techniques to the Analysis of WFS Data	UNESCAP; ISI/WFS
Jan–Apr 1980	WFS London	2nd WFS Data Evaluation Workshop	ISI/WFS
Jan 1980– Jan 1981	Santiago	WFS In-Depth Research and Training Seminar	CELADE
Oct 1980– Feb 1981	WFS London	3rd WFS Data Evaluation Workshop	ISI/WFS
5 Jan– 13 Feb 1981	East-West Center, Honolulu	World Fertility Survey Working Group	East-West Center; Princeton University
7–20 Apr 1981	Addis Ababa	Training in Use of SPSS	UNECA Population Division; ISI/WFS
Sep–Dec 1981	WFS London	4th WFS Data Evaluation Workshop	ISI/WFS

Participation	Product
25 participants from Afghanistan, Bangladesh, Hong Kong, India, Indonesia, Korea (Rep.), Nepal, Pakistan, Philippines, Singapore, Sri Lanka, Thailand	UNESCAP <i>Asian Population Studies Series</i> no 44 <i>WFS Occasional Papers</i> no 22
1 participant each from Dominican Republic, Mexico, Peru, Venezuela	<i>WFS Scientific Reports</i> no 14 – Dominican Republic <i>WFS Scientific Reports</i> no 21 – Mexico <i>WFS Scientific Reports</i> no 33 – Peru <i>WFS Scientific Reports</i> no 35 – Venezuela
11 participants from Bangladesh, Indonesia, Korea (Rep.), Malaysia, Nepal, Thailand	UNESCAP <i>Asian Population Studies Series</i> no 49 <i>WFS Scientific Reports</i> no 22 – Korea (Rep.) <i>WFS Scientific Reports</i> no 23 – Malaysia <i>WFS Scientific Reports</i> no 24 – Indonesia
1 participant each from Jordan, Guyana, Indonesia, Malaysia, Philippines	<i>WFS Scientific Reports</i> no 19 – Philippines <i>WFS Scientific Reports</i> no 26 – Guyana <i>WFS Scientific Reports</i> no 27 – Malaysia <i>WFS Scientific Reports</i> no 38 – Indonesia <i>WFS Scientific Reports</i> no 42 – Jordan
7 participants from Colombia, Panama, Paraguay, Peru	CELAD ⁷ serie D, nos 98, 100, 102, 104, 107, 108 <i>WFS Occasional Papers</i> no 25
1 participant each from Cameroon, Haiti, Senegal. A member of WFS staff on behalf of Tunisia	<i>WFS Scientific Reports</i> no 49 – Senegal <i>WFS Scientific Reports</i> no 50 – Haiti <i>WFS Scientific Reports</i> no 64 – Cameroon WFS unpublished manuscript – Tunisia
14 participants from Bangladesh, Indonesia, Korea (Rep.), Malaysia, Nepal, Pakistan, Philippines, Sri Lanka, Thailand	East-West Population Institute papers
20 participants from various ECA divisions	..
1 participant each from Syria, Trinidad and Tobago, Turkey. A member of WFS staff on behalf of Lesotho	<i>WFS Scientific Reports</i> no 43 – Turkey <i>WFS Scientific Reports</i> no 44 – Trinidad and Tobago <i>WFS Scientific Reports</i> no 58 – Lesotho Central Bureau of Statistics paper – Syria

Date	Place	Workshop/topics	Sponsor(s)
Mar–Jun 1982	WFS London	Workshop on the Analysis of Data from the FOTCAF Module	ISI/WFS
Sep–Nov 1982	WFS London	5th WFS Data Evaluation Workshop	ISI/WFS
Oct–Nov 1982	CAPMAS, Cairo	Training course in Use of SPSS	CAPMAS; World Bank
Dec 1982	Dakar	Training Course in Use of SPSS	Senegal; INED; ISI/WFS
17 Jan– 25 Feb 1983	Bangkok	Regional Workshop on Multivariate Analysis of Nuptiality and Fertility from WFS Data for Selected ESCAP Countries	UNESCAP
Mar–Jun 1983	WFS London	Workshop on Community Factors in Infant and Child Mortality	ISI/WFS
Apr–June 1983	Santiago	6th WFS Data Evaluation Workshop	ISI/WFS; Pontificia Universidad Catolica de Chile
11–22 Jul 1983	Accra	Workshop on Techniques of Estimation of Fertility and Mortality	UN RIPS
Sep–Dec 1983	WFS London	7th WFS Data Evaluation Workshop	ISI/WFS

Participation	Product
1 participant each from Ghana, Haiti, Lesotho, Philippines, Syria, Tunisia	<i>WFS Scientific Reports</i> no 53 – Ghana <i>WFS Scientific Reports</i> no 61 – Haiti <i>WFS Scientific Reports</i> no 78 – Lesotho <i>In Determinants of Fertility in Syria</i> – Syria WFS unpublished manuscript – Philippines
1 participant each from Egypt, Ghana, Portugal	<i>WFS Scientific Reports</i> no 69 – Ghana <i>WFS Scientific Reports</i> no 81 – Portugal CAPMAS paper – Egypt
20 participants from CAPMAS	–
Senegal Researchers	–
10 participants from Indonesia, Korea (Rep.), Malaysia, Pakistan, Philippines, Thailand	–
1 participant each from Bangladesh, Cameroon, Ecuador, Egypt, Ivory Coast, Peru	<i>WFS Scientific Reports</i> no 56 – Bangladesh <i>WFS Scientific Reports</i> no 74 – Ecuador <i>In Egypt: Demographic Responses to Modernization</i> – Egypt WFS unpublished manuscript – Cameroon, Ivory Coast, Peru
1 participant each from Ecuador, Paraguay, Dominican Republic (2nd Round)	<i>WFS Scientific Reports</i> no 51 – Ecuador <i>WFS Scientific Reports</i> no 62 – Paraguay <i>WFS Scientific Reports</i> no 63 – Dominican Republic
40 participants from 19 African countries	–
1 participant each from Benin, Ivory Coast, Mauritania, Morocco, Sudan, Yemen AR	<i>WFS Scientific Reports</i> no 72 – Sudan <i>WFS Scientific Reports</i> no 76 – Yemen AR <i>WFS Scientific Reports</i> no 79 – Ivory Coast WFS unpublished manuscript – Benin, Mauritania, Morocco

Appendix 6

Summary of Technical Assistance

	In-country*		London	Total
	WFS staff	Other		
Africa				
Benin	364	-	482	846
Cameroon†	399	713	587	1 699
Ghana	472	-	504	976
Ivory Coast‡	401	302	373	1 076
Kenya†	280	774	259	1 313
Lesotho‡	234	125	757	1 116
Mauritania†	353	882	489	1 724
Morocco‡	275	537	396	1 208
Nigeria	517	47	712	1 276
Senegal‡	351	281	216	848
Sudan (North)†	455	639	465	1 559
Tunisia	366	-	516	882
Total	4 467	4 300	5 756	14 523
Mean	372	358	480	1 210
Asia and Pacific				
Bangladesh†	412	275	676	1 363
Fiji	155	255	754	1 164
Indonesia	347	-	463	810
Korea, Rep. of	378	-	289	667
Malaysia	224	-	128	352
Nepal	155	-	242	397
Pakistan	230	-	238	468
Philippines	384	-	136	520
Sri Lanka	363	-	329	692
Thailand	226	-	134	360
Total	2 874	530	3 389	6 793
Mean	287	53	339	679

* Excludes travel. Includes weekends for visiting personnel but not for resident advisers.

† Countries with general resident adviser.

‡ Countries with data processing resident adviser.

	In-country*		London	Total
	WFS staff	Other		
Caribbean				
Guyana	157	422	160	739
Haiti†	441	743	676	1 860
Jamaica	83	422	245	750
Trinidad & Tobago	102	422	151	675
Total	783	2 009	1 232	4 024
Mean	196	502	308	1 006
Europe				
Portugal	232	–	246	478
Latin America				
Colombia	141	30	91	262
Costa Rica	124	148	97	369
Dominican Rep.†	126	306	149	581
Ecuador	91	235	128	454
Mexico	166	32	147	345
Panama	135	200	84	419
Paraguay	152	132	137	421
Peru	162	75	89	326
Venezuela	54	283	135	472
Total	1 151	1 441	1 057	3 649
Mean	128	160	117	405
Middle East				
Egypt	481	73	572	1 126
Jordan	282	68	626	976
Syria	262	38	677	977
Turkey	348	–	107	455
Yemen AR	510	–	593	1 103
Total	1 883	179	2 575	4 637
Mean	377	36	515	927
Overall total	11 390	8 459	14 255	34 104
Overall mean	278	206	348	832

* Excludes travel. Includes weekends for visiting personnel but not for resident advisers.

† Countries with general resident advisers.

Appendix 7

WFS Special Studies

TEST SURVEY ACTIVITIES

Country	Institution	Year of fieldwork	Purpose	No of interviews
Colombia	Corporación Centro Regional de Población	1974	Testing of core questionnaire in a Spanish-speaking setting	300
Great Britain	Office of Population Censuses and Surveys	1974	Testing of questionnaire for low fertility countries	206
Zaire	Institut National de Statistique	1974	Testing of WFS instrumentation, including FOTCAF module, in a relatively difficult setting using a local language	762
Malaysia	Department of Statistics	1975	Testing of FOTCAF module	107
India	International Institute for Population Studies	1975	Testing of Family Planning module	102
Philippines	Mindanao Center for Population Studies	1975	Testing of Influence of Mortality on Fertility module	101
Ghana	Institute of Statistical, Social and Economic Research; UN Regional Institute for Population Studies	1975	Testing of FOTCAF module (in course of Ghana Pilot Survey)	643
India	International Institute for Population Studies	1976	Methodological study on availability of fertility regulation methods (<i>WFS Scientific Reports</i> no 1)	271
Panama	Office of the UN WFS Regional Adviser for Latin America			300
Turkey	Institute of Population Studies, Hacettepe University			260
Kenya	Central Bureau of Statistics	1976	Testing of FOTCAF module (in course of first pre-test)	402

POST-ENUMERATION SURVEYS

Country	Year of fieldwork	Achieved sample size	Publication
Bangladesh	1976	332	–
Fiji	1974	371	Fiji Fertility Survey 1974: Principal Report, ch 4.2; <i>WFS Occasional Papers</i> no 21
Indonesia	1976	497	<i>WFS Scientific Reports</i> no 3
Pakistan	1976	1200	–
Philippines	1978	633	WFS unpublished manuscript (see appendix 8, Philippines, item 24)
Sudan	1979	387	–

HUSBANDS SURVEYS

Country	Year of fieldwork	Achieved sample size	Publication
Egypt	1980	2312	The Egyptian Fertility Survey 1980, vols I and III
Iran	1977	700 approx.	Not known
Ivory Coast	1980	506	Data being analysed
Thailand	1975	2967	The Survey of Fertility in Thailand: Country Report

RESPONSE ERROR STUDIES

Country	Year of fieldwork	Achieved sample size	Publication*
Dominican Rep.	1980	1000 approx.	Report in preparation
Lesotho	1977	736	<i>WFS Scientific Reports</i> no 70
Peru	1978	1198	<i>WFS Scientific Reports</i> no 45
Turkey	1978	650	No analysis as data tape not released

* Preliminary reports published as:

O'Muircheartaigh, C.A., A.M. Marekwardt and V. Verma. Response Reliability in WFS Data. *Bulletin of the International Statistical Institute* 48 (3).

O'Muircheartaigh, C.A. and A.M. Marekwardt (1981). An Assessment of the Reliability of WFS Data. *World Fertility Survey Conference 1980: Record of Proceedings* 3.

Methodological report published as *WFS Scientific Reports* no 28.

Appendix 8

Country-Specific Analysis Projects – Developing Countries

- A Projects initiated by the country whether funded via WFS or by other means.
 B Project initiated by WFS with the concurrence of the country for the purpose of illustrative analysis, technical bulletins or other methodological work.
 C Projects initiated or carried out by staff of organizations (mainly universities) outside the country.
 D Work done by university students (usually nationals of the country) leading to a thesis for a master's or PhD degree.

Projects which have been published or mimeographed in their final form are marked with an asterisk.

	Status	Author or organization	Topic or title
Bangladesh			
1	D*	Ahmad, Bashir-ud-din	Differential Fertility in Bangladesh. MA thesis, Australian National University, 1980.
2	D	Ahmad, Bashir-ud-din and B.S. Lee	Determinants of Fertility in Bangladesh.
3	C*	Ahmad, M.	Direct Estimation of Current Fertility Levels Using Bangladesh Fertility Survey Data. Paper presented at Workshop on Recent Trends in Fertility and Mortality in Bangladesh, Dhaka, Apr 1979.
4	C	Ahmad, M.	Levels and Trends of Infant and Child Mortality in Bangladesh. Factors Affecting Fertility in Bangladesh.
5	C*	Ahmad, M.	On the Use of PES Information in Estimating the Extent of Under-Coverage of Births in the Bangladesh Fertility Survey. Paper presented at Workshop on Recent Trends in Fertility and Mortality in Bangladesh, Dhaka, Apr 1979.
6	C*	Ahmad, M., S. Rahman, and H. Rashad	Estimating Fertility of Bangladesh Using Relational Gompertz Model on Available Data. As above.
7	A*	Ahmad, R.	Attitudes towards Induced Abortion in Bangladesh. <i>Bangladesh Development Studies</i> 7 (4), 1979.

	Status	Author or organization	Topic or title
8	A	Ahmed, A.U.	Marriage and Divorce in Bangladesh.
9	C	Ahmed, T.	Intergenerational Flow of Wealth – its Relationship to Fertility Behaviour in Bangladesh.
10	D	Ahmed, V.R.	Effects of the Interaction between Individual-Level and Community-Level Variables on Fertility.
11	B*	Alauddin, M.	Community Factors in Contraception Among Bangladeshi Rural Women. In J.B. Casterline, ed <i>The Collection and Analysis of Community Data</i> , 1985.
12	D*	Alauddin, M.	Rural Development and Family Planning Behaviour in Bangladesh Villages. PhD thesis, University of Michigan. Also <i>Bangladesh Development Studies</i> 7(1), 1979.
13	A	Ali, N.	Effect of Sex Preferences and Infant Mortality on Fertility in Bangladesh.
14	A	Ali, N.	Sex Preferences and Sex Composition of Living Children and their Relationship to Infant Mortality and Birth Control.
15	A*	Al-Kabir, A	Effects of Community Factors on Infant and Child Mortality in Rural Bangladesh. <i>WFS Scientific Reports</i> no 56, 1984.
16	C*	Amin, R. and R. Faruque	Fertility and its Regulation in Bangladesh. World Bank Staff Working Paper no 383, 1980.
17	C*	Anderson, J.E.	Reported Incidence of Abortion in World Fertility Surveys and Contraceptive Prevalence Surveys. Centers for Disease Control Working Paper, 1979.
18	C*	Becker, S. and S. Mahmud	A Validation Study of Backward and Forward Pregnancy Histories in Matlab, Bangladesh. <i>WFS Scientific Reports</i> no 52, 1984.
19	C*	Boguc, D.L.	Pregnancy History Analysis.
20	B*	Brass, W.	Screening Procedures for Detecting Errors in Maternity History Data. WFS Technical Paper no 810, 1978. See also <i>Asian Population Studies Series</i> no 44, 1978; and <i>WFS Occasional Papers</i> no 22, 1980.
21	B*	Caldwell, J.C., G. Immerwahr and L.T. Ruzicka	Illustrative Analysis: Family Structure and Fertility. <i>WFS Scientific Reports</i> no 39, 1982.
22	D*	Chowdhury, A.M.R.	Link between Nutrition and Fertility.

	Status	Author or organization	Topic or title
23	A*	D'Souza, S. and A. Bhuiya	Socio-Economic Mortality Differentials in a Rural Area of Bangladesh. <i>Population and Development Review</i> 8(4), 1982.
24	C*	Edmonston, B.	Age Reporting for Children in Bangladesh. Infant and Child Mortality Project Working Paper no 2, Cornell University, 1980.
25	C*	Edmonston, B. and R. Bairagi	Infant and Child Mortality in Bangladesh. University of Dhaka, 1982.
26	B*	Edmonston, B., W. Greene and K. Smith	Multivariate Analysis of Survival Data: an Appraisal Using Bangladesh Mortality Data. American Statistical Association, 1981.
27	C*	Ewbank, D.C.	The Sources of Error in Brass's Method for Estimating Child Survival: the Case of Bangladesh. <i>Population Studies</i> 36(3), 1982.
28	C*	Hogan, D.P.	Fertility Levels, Trends and Differentials in Bangladesh 1966-1975. Community and Family Study Center, University of Chicago.
29	A*	Hossain, M. and N. Ali	Nuptiality Variations in Bangladesh. NIPORT, Dhaka.
30	A*	Hossain, M., M.A. Khan and L.C. Chen	Fertility in Bangladesh: Which Way Is It Going? Summary of proceedings of seminar on preliminary results of BFS, Dec 1976. NIPORT, 1979.
31	D	Huda, S.	Analysis of Community-Level, Fertility and Mortality Data. Differential Fertility in Bangladesh - a Regional Analysis.
32	D*	Islam, S.	Fertility and Childhood Mortality Estimates for Bangladesh based on Pregnancy History Data. MA thesis, Australian National University, 1981.
33	B	Johnson, N.E.	The Effects of Infant and Child Mortality on Fertility in Bangladesh.
34	A/B*	Kabir, M.	Age Pattern of Marriage in Bangladesh. WFS Technical Paper no 840, 1978.
35	A/B*	Kabir, M	Evaluation of Adult Mortality Trends from Data on Marital Status.
36	A*	Kabir, M.	Family Size Preferences in Bangladesh. <i>Journal of Family Welfare</i> 28(3), 1982.
37	A/B*	Kabir, M.	Levels, Patterns and Differentials in Infant and Child Mortality in Bangladesh Contributed paper, IUSSP XIX General Conference, Manila, Dec 1981.

	Status	Author or organization	Topic or title
38	A*	Kabir, M. and A.A. Howlader	Socio-Economic Determinants of Mortality in Bangladesh. <i>Rural Demography</i> 7 (1-2), 1980.
39	D	Matin, K.A.	Impact of Education on Fertility.
40	A*	Ministry of Health and Population Control	Bangladesh Fertility Survey 1975-76: First Report. Dhaka, 1978.
41	D*	Mitra, S.N.	Infant and Childhood Mortality in Bangladesh: Levels and Differentials. MA thesis, Australian National University, 1979.
42	A*	Mitra, S.N. and A.R. Pebley	Assessment of Family Planning Needs in Bangladesh. Papers of East-West Population Institute.
43	C*	National Academy of Sciences, Panel on Bangladesh	Estimation of Recent Trends in Fertility and Mortality in Bangladesh. Committee on Population and Demography Report no 5, Washington, DC, 1981.
44	A*	Rahim, A.	Determinants of Contraceptive Use in Bangladesh. In UN Multivariate Analysis of World Fertility Survey Data for Selected ESCAP Countries, <i>Asian Population Studies Series</i> no 49, 1980.
45	D	Rhul, A.	Factors Differentiating Fertility and Fertility Orientation in Bangladesh (1969-76).
46	D*	Shahidullah, M.	Differential Nuptiality Patterns in Bangladesh. (Regional Marriage Patterns and Socio-Economic Characteristics of the Marriage Couples.) MA thesis, Australian National University, 1979.
47	B	Shahidullah, M.	Levels, Trends and Determinants of Contraceptive Use in Bangladesh.
48	A*	Sohail, M.	Differentials in Cumulative Fertility and Child Survivorship in Rural Bangladesh. <i>Bangladesh Development Studies</i> 7(3), 1979. Also in UN Multivariate Analysis of World Fertility Survey Data for Selected ESCAP Countries, <i>Asian Population Studies Series</i> no 49, 1980.
49	A	Sohail, M.	Lactation, Infant Mortality and Birth Interval Dynamics: a Cross-Regional Analysis of Bangladesh.
50	A/B*	Thompson, L., M.N. Ali and J.B. Casterline	Collecting Demographic Data in Bangladesh: Evidence from Tape-Recorded Interviews. <i>WFS Scientific Reports</i> no 41, 1982.
51	A/B*	World Fertility Survey	The Bangladesh Fertility Survey 1975: a Summary of Findings. <i>WFS Summaries of Findings</i> no 13, 1979.

	Status	Author or organization	Topic or title
52	D	Zaman, W.A.	Determinants and Differentials of Fertility in Bangladesh.
Benin			
1	A*	Institut National de la Statistique et de l'Analyse Economique	Enquête sur la Fécondité au Bénin: Rapport National. Cotonou, 1984.
2	A*	Institut National de la Statistique et de l'Analyse Economique	Enquête sur la Fécondité au Bénin: Rapport Préliminaire. Cotonou, 1983.
3	A*	Kodjogbe, N.	Evaluation de l'Enquête sur la Fécondité au Bénin 1982. WFS unpublished manuscript, 1984.
4	A/B*	World Fertility Survey	The Benin Fertility Survey 1982: a Summary of Findings. <i>WFS Summaries of Findings</i> no 48, 1984.
Cameroon			
1	A	Bioumla, A. and Kwekem	Adolescent Fertility.
2	A	Fotso, E. and J.B. Djoumessi	Nuptiality and Fertility.
3	A	Mbarga and D. Kamga	Contraceptive Use.
4	A*	Ministère de l'Economie et du Plan	Enquête Nationale sur la Fécondité du Cameroun 1978: Rapport Principal. Yaoundé, 1983.
5	B	Njeck, R.A.	Effects of Community Factors on Infant and Child Mortality in the Rural Areas of Cameroon. WFS unpublished manuscript, 1984.
6	A	Njeck, R.A. and J.L. Fondzenyuy	Proximate Determinants of Fertility.
7	A/B*	Santow, G. and A. Bioumla	An Evaluation of the Cameroon Fertility Survey 1978. <i>WFS Scientific Reports</i> no 64, 1984.
8	A/B*	World Fertility Survey	The Cameroon Fertility Survey, 1978: a Summary of Findings. <i>WFS Summaries of Findings</i> no 41, 1983.
Colombia			
1	A*	Baldión, E. (CCRP)	Colombia: Aspectos socio-demográficos relevantes en el estudio de la mortalidad infantil y su asociación con la fecundidad. CELADE, serie D. no 102, 1981. Summary also appears in <i>WFS Occasional Papers</i> no 25, 1982.

	Status	Author or organization	Topic or title
2	A*	Bravo-Casas, G.A.	Socio-Economic Factors Affecting Fertility Decline in Colombia. Paper presented at UN Expert Group Meeting on Demographic Transition and Socio-Economic Development, Istanbul, May 1977.
3	D	Braun, M.	Study of the Importance of Various Factors on the Rate of Entry in Consensual Unions.
4	A*	Corporación Centro Regional de Población	Encuesta Nacional de Fecundidad Colombia, 1976: Resultados Generales. Bogotá, 1977.
5	C*	Easterlin, R.A. and E.M. Crimmins	An Exploratory Study of the 'Synthesis Framework' of Fertility Determination with World Fertility Survey Data. <i>WFS Scientific Reports</i> no 40, 1982. Earlier version published in <i>International Population Conference, Manila, 1981 5</i> , IUSSP.
6	C*	Easterlin, R.A. and E. Crimmins	The Estimation of Natural Fertility, a Micro Approach. Paper presented at PAA Annual Meeting, Pittsburgh, Apr 1983.
7	D*	Englert, T.W.	Measurement and Determinants of Infant and Child Mortality in Colombia Using the Colombian National Fertility Survey of 1976. MSc thesis, University of Wisconsin, 1983.
8	A*	Estrada, A., G. López-Escobar and L.H. Ochoa (CCRP)	Changes in the Patterns of Family Planning in Colombia between 1968 and 1978. Paper presented at IUSSP Seminar on the Use of Surveys for the Analysis of Family Planning Programmes, Bogotá, Oct 1980.
9	A*	Estrada, A., and L.H. Ochoa (CCRP)	Knowledge and Use of Contraception.
10	D*	Flórez, C.E. (CCRP) and N. Goldman	An Analysis of Nuptiality Data in the Colombia National Fertility Survey. <i>WFS Scientific Reports</i> no 11, 1980.
11	A*	Gómez, E.	La formación de la familia y la participación laboral femenina en Colombia. CELADE, serie D, no 104, 1981. Summary also appears in <i>WFS Occasional Papers</i> no 25, 1982.
12	D	Grigsby, J.	Birth Intervals and Contraception.
13	A*	Hernández, A.G. and C.E.N. Flórez (CCRP)	Tendencias y diferenciales de la fecundidad en Colombia. Corporación Centro Regional de Población (CCRP), 1978.

	Status	Author or organization	Topic or title
14	B*	Hobcraft, J.N.	Illustrative Analysis: Evaluating Fertility Levels and Trends in Colombia. <i>WFS Scientific Reports</i> no 15, 1980.
15	B*	Hobcraft, J.N. and G. Rodríguez	Methodological Issues in Life Table Analysis of Birth Intervals. In W. Brass and A.G. Hill, eds <i>The Analysis of Maternity Histories</i> , 1985.
16	C	Kiermeyer, S.	Differentials in Infant Mortality. Rates and Levels of Mortality and Fertility.
17	A*	Ochoa, L.H.	Patterns of Fertility Decline in Latin America, with Special Reference to Colombia. In <i>International Population Conference, Manila, 1981 I</i> , IUSSP.
18	A*	Ochoa, L.H. (CCRP)	Prevalence of Contraceptive Use in Colombia: Determinant Factors and Policy. In A.I. Hermalin and B. Entwisle, eds <i>The Role of Surveys in the Analysis of Family Planning Programs</i> , 1982.
19	A*	Ochoa, L.H. and P. Richardson	Determinants of Contraceptive Use and Methods in Colombia. Paper presented at IUSSP/National Family Planning Board of Malaysia Seminar on Analysis of the WFS Family Planning Module, Genting Highlands, Malaysia, Dec 1981.
20	A*	Pierret, C. (CCRP)	Usuarías activas versus usuarias actuales: confrontación de datos. Paper presented at IUSSP Seminar on the Use of Surveys for the Analysis of Family Planning Programmes, Bogotá, Oct 1980.
21	A*	Pierret, C., and L.H. Ochoa (CCRP)	Comparison with Earlier Studies.
22	A	Prada, E. (CCRP)	Patterns of Fertility Decline in Latin America, with Specific Reference to Colombia.
23	C*	Richards, T.	Comparative Analysis of Fertility, Breastfeeding and Contraception: a Dynamic Model. National Academy of Sciences, Committee on Population and Demography Report no 22.
24	C	Richardson, P. and E. Alcántara	A Household's Position in the Production Structure, and the Value of Children.
25	B*	Rodríguez, G.	The Analysis of Birth Intervals Using Proportional Hazard Models. WFS unpublished manuscript, 1984.

	Status	Author or organization	Topic or title
26	B*	Rodríguez, G. and J.N. Hobcraft	Illustrative Analysis: Life Table Analysis of Birth Intervals in Colombia. <i>WFS Scientific Reports</i> no 16, 1980.
27	B*	Rodríguez, G. and J. Trussell	Maximum Likelihood Estimation of Parameters of Coale's Model Nuptiality Schedule from Survey Data. <i>WFS Technical Bulletins</i> no 7, 1980.
28	C	Rosenzweig, M.R. and T.P. Schulz	Family Planning and Health Programme Effects on Fertility and Mortality: Explanations for Colombia Fertility Decline.
29	B*	Somoza, J.	Illustrative Analysis: Infant and Child Mortality in Colombia. <i>WFS Scientific Reports</i> no 10, 1980.
30	D	Staples-Robertson, J.	Fertility, Contraception and Women's Economic Status.
31	C*	Trussell, J. and D. Bloom	Estimating the Covariates of Age at Marriage and First Birth. <i>Population Studies</i> 37(3), 1983.
32	C*	UNECLA	Estructura matrimonial y fecundidad. Paper presented at 5th Meeting of UN Working Group on Comparative Analysis of WFS Data, Jan 1982.
33	A/B*	World Fertility Survey	The Colombia Fertility Survey, 1976: a Summary of Findings. <i>WFS Summaries of Findings</i> no 9, 1978.

Costa Rica

1	D*	Alonso, L.L.	Birth Interval Dynamics: an Application to Costa Rican Fertility Decline. MSc thesis, University of Wisconsin, 1983.
2	A*	Barrantes, M.G. and J. McCarthy	Female Sterilization in Costa Rica. <i>Studies in Family Planning</i> 13(1), 1982.
3	A*	Chackiel, J.	Factors Affecting Infant Mortality.
4	A*	Denton, C.F. and O.M. Acuña	Socio-Demographic Analysis of Women's Education and Fertility. Paper presented at UNESCO/UN Population Division Workshop on Methodology for the Comparative Study of Women's Education and Fertility, Paris, May 1979.
5	A*	Dirección General de Estadística y Censos	Encuesta Nacional de Fecundidad, 1976, Costa Rica. San José, 1978.
6	A*	Gómez, M.B.	Female Sterilization in Costa Rica. Paper presented at Workshop on Methodological Aspects of Demographic Analysis of Sterilization, Honolulu, Sep 1979.

	Status	Author or organization	Topic or title
7	A*	Gómez, M.B. and J. McCarthy	Female Sterilization in Costa Rica. <i>Studies in Family Planning</i> 13(1), 1982.
8	A*	Guzmán, J.M.	Evaluación de la historia de embarazos en la encuesta nacional de fecundidad Costa Rica 1976. CELADE, serie C, no 1011, 1980. Shortened version published in <i>Notas de Población</i> no 24, 1980.
9	A*	Guzmán, J.M. and M.C. Segovia	La mortalidad intrauterina en Costa Rica. <i>Notas de Población</i> no 19, 1979.
10	C*	Lamas, L. and D. Linares	Fertility by Parity: Quantal Response Analysis. University of Wisconsin, Center for Demography and Ecology Working Paper no 82-42, 1982.
11	C	McCarthy, J.	Analysis of Contraceptive Prevalence in Costa Rica.
12	C*	Newman, J.	Fertility Behaviour in Costa Rica: Inferences from Interval Data. Paper presented at PAA Annual Meeting, Washington, DC, Mar 1981.
13	C*	Palloni, A. and L. Lamas	Generalized Models for Simple Representations of Birth Interval Dynamics. University of Wisconsin, Center for Demography and Ecology Working Paper no 83-1, 1983.
14	C*	Pebley, A.R.	The Age at First Birth and the Timing of Second Birth in Costa Rica and Guatemala. <i>Population Studies</i> 35(3), 1981.
15	C*	Richards, T.	Comparative Analysis of Fertility, Breastfeeding and Contraception: a Dynamic Model. National Academy of Sciences, Committee on Population and Demography Report no 22.
16	A	Rodríguez de Ortega, V.	Indirect Estimates of Fertility and Infant Mortality.
17	A*	Rodríguez de Ortega, V.	La fecundidad en Costa Rica según la encuesta nacional de fecundidad (WF5). <i>Notas de Población</i> no 18, 1978.
18	A*	Rosero, L., M.B. Gómez and V. Rodríguez de Ortega	Determinantes de la fecundidad en Costa Rica: análisis longitudinal de tres encuestas. Dirección General de Estadística y Censos, Costa Rica/ISI, 1982. Summary in English, as The Determinants of Fertility Decline in Costa Rica 1964-76, published by ISI, 1984.
19	D	Simmons, F.	Fertility and Contraceptive Use in United States and Costa Rica.
20	D*	Smith, C.Y.	Age at First Birth and Fertility Decline in Costa Rica. PhD thesis, Princeton, 1982.

	Status	Author or organization	Topic or title
21	C*	Stycos, J.M.	Education, Modernity and Fertility in Costa Rica. Paper presented at 3th Costa Rica Demographic Seminar, San José, Aug 1979.
	C*	Stycos, J.M.	Putting Back the K and A in KAP: a Study of the Implications of Knowledge and Attitudes for Fertility in Costa Rica. <i>WFS Scientific Reports</i> no 48, 1984.
22	A/B*	World Fertility Survey	The 1976 Costa Rica Fertility Survey: a Summary of Findings. <i>WFS Summaries of Findings</i> no 19, 1980.

Dominican Republic

1	C	Báez, C.	Socio-Demographic Characteristics of the Female Population of the Dominican Republic.
2	A*	Bartlema, J.	Fertility in the Dominican Republic Estimated from National Fertility Survey Data. CELADE, serie A, no 157, 1978.
3	C*	Bocaz, A.	Experiencia de nupcialidad por cohortes resumida por un modelo biológico. <i>Notas de Población</i> no 19, 1979.
4	A*	Chakiel, J.	Niveles y tendencias de la mortalidad infantil en base a la Encuesta Mundial de Fecundidad. <i>Notas de Población</i> no 27, 1981.
5	A*	Consejo Nacional de Población y Familia	Encuesta Nacional de Fecundidad: Informe General. Santo Domingo, 1976.
6	A*	de Moya, F., M. Tavéras and S. Díaz	La Mortalidad en la República Dominicana, según características sociales y geográficas. Consejo Nacional de Población y Familia, 1982.
7	A	Faundes, A.	Demographic and Socio-Economic Effects of the Family Planning Programme in the Dominican Republic
8	C*	Guzmán, J.M.	Estimación de la mortalidad basada en la encuesta nacional de fecundidad 1975. CELADE, serie C, no 1007, 1978.
9	A*	Guzmán, J.M.	Evaluation of the Dominican Republic National Fertility Survey 1975. <i>WFS Scientific Reports</i> no 14, 1980.
10	D*	Guzmán, J.M.	Fertility and Social Change – CELADE (forthcoming).
11	A*	Guzmán, J.M. and M. Duval	Fertility and Contraception.

	Status	Author or organization	Topic or title
12	B*	Hobcraft, J.N. and R.J.A. Little	Fertility Exposure and Analysis: a New Method for Assessing the Contribution of Proximate Determinants to Fertility Differentials. <i>Population Studies</i> 38(1), 1984.
13	B*	Hobcraft, J.N. and G. Rodriguez	The Analysis of Repeat Fertility Surveys: Examples from the Dominican Republic. <i>WFS Scientific Reports</i> no 29, 1982. Shortened version published in <i>International Family Planning Perspectives</i> 8(2), 1982.
14	C*	Huezco, C.	Knowledge and Use of Male and Female Sterilization in Latin America. Centers for Disease Control, Atlanta, 1982.
15	B*	Lightbourne, R.E.	Test-Retest Reliability of Preference Data: the Case of the Dominican Republic. WFS Technical Paper no 2309, 1984.
16	B*	Marckwardt, A.M.	Response Error Study. WFS unpublished manuscript, 1984.
17	A*	Ortega, M.	Utilización de investigaciones en República Dominicana: el caso de la Encuesta Nacional de Fecundidad de 1975. Instituto Tecnológico de Santo Domingo, 1980. Abridged version published as Utilization of Research in Dominican Republic, <i>WFS Occasional Papers</i> no 24, 1982.
18	A*	Ramírez, N., P. Tactuk, E. Hardy and M. Vaessen	The Dominican Republic Fertility Survey: an Assessment. <i>WFS Occasional Papers</i> no 18, 1976.
19	A*	Rodríguez Serro yveda, B.	Evaluación de la Encuesta Nacional de Fecundidad de la República Dominicana de 1980. <i>WFS Scientific Reports</i> no 63, 1984.
20	D	Valenzuela, M.	Analysis of the Effects of Infant Mortality Experience on Subsequent Fertility and Fertility Regulation Behaviour.
21	C*	Weeks-Vagliani, W.	Women in Development -- At the Right Time for the Right Reasons. OECD Development Centre Studies, Paris, 1980.
22	A/B*	World Fertility Survey	The Dominican Republic Fertility Survey, 1975: a Summary of Findings. <i>WFS Summaries of Findings</i> no 2, 1977.
Ecuador			
1	A*	Borja M., E.	Factores determinantes de una mortalidad prematura en Ecuador. <i>WFS Scientific Reports</i> no 74, 1985.

	Status	Author or organization	Topic or title
2	A*	Herrera de Rivadencira, M.I.	Evaluación de la Encuesta Nacional de Fecundidad de 1979 de Ecuador. <i>WFS Scientific Reports</i> no 51, 1984.
3	A*	Instituto Nacional de Estadística y Censos	Encuesta Nacional de Fecundidad Ecuador - 1979: Informe General. Quito, 1984.
4	D*	Pozo, M.	Estratos sociales y fecundidad. MSc thesis, CELADE, 1982.
5	A/B*	World Fertility Survey	The Ecuador National Fertility Survey 1979: a Summary of Findings <i>WFS Summaries of Findings</i> no 51, 1985.

Egypt

1	A/C*	Adlakha, A.L., C.M. Suchindran, H.S.M. Ashy and A.F.E. Ismail	Levels, Trends and Differentials of Infant and Child Mortality in Egypt. University of North Carolina at Chapel Hill/CAPMAS, 1984.
2	D	Ahmed, F.	Socio-Economic Determinants of Fertility and Family Planning in Egypt. University of Pennsylvania.
3	C	Ahmed, O.I.	The Influence of Individual and Community-Level Factors on Infant and Child Mortality.
4	A/C*	Akin, J.S., R.E. Bilsonrow, D.K. Guilkey, H.S.M. Ashy and A.F.E. Ismail	Breastfeeding Patterns and Determinants in Egypt.* Carolina Population Center, University of North Carolina at Chapel Hill, 1984.
5	A*	Boraie, S. and J. McCarthy	Achieved Fertility, Family Size Desires and Contraceptive Use.*
6	A*	Casterline, J.B. and I. Eid	Community Characteristics and Reproductive Patterns.*
7	A*	Casterline, J.B. and S.M. Farid	Socio-Economic Determinants of Age at Marriage.*
8	A*	Casterline, J.B. and S.M. Farid	The Rural Communities in Egypt.*
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12	A*	Eid, I and J.B. Casterline	Socio-Economic Determinants of Infant and Child Mortality.*
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12	A*	Ministry of Health	Nepal Fertility Survey, 1976: First Report. Kathmandu, 1977.
13	A*	Nepal Family Planning and Maternal Child Health Project	Proceedings of National Conference on Nepal Fertility Survey 1976, Kathmandu, Jun 1978.
14	A*	Nepal Family Planning and Maternal Child Health Project	Research and Evaluation in Family Planning. Collected Reports 1970-1977.
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18	D	Sharma, D.P.	Birth Intervals.
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21	A	Thapa, S.	Policy Implications of Nepal Fertility Survey.
22	D	Thapa, S.	Trends, Levels and Determinants of Fertility, and Effect of Age at Marriage on Fertility in Nepal.
23	A	Thapa, S. and N.Y. Luther	Using Pearson Type III Curve to Estimate Missing Fertility in Retrospective Data.
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27	A*	Tuladhar, J.M., J. Stoekel and A. Fisher	Differential Fertility in Rural Nepal. <i>Population Studies</i> 36(1), 1982.
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13	A	Khawaja, D. and M. Grossman	Relationship between Quantity and Quality of Children in the Fertility Behaviour in Pakistan.
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19	A*	Population Planning Council of Pakistan	Pakistan Fertility Survey: First Report. Islamabad, 1976.
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39	A*	Soomro, G.Y.	Indirect Estimates of Infant and Child Mortality in Pakistan Based on Pakistan Fertility Survey 1976. Pakistan Institute of Development Economics Research Report Series no 124, 1981
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15	A	Ramos, D.L.	The Analysis of Family Formation Patterns in Peru.
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6	B*	Engracia, L.T.	Community Effects on Contraceptive Use in the Philippines. In J.B. Casterline, ed <i>The Collection and Analysis of Community Data</i> , 1985.
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10	A*	Engracia, L.T., L.B. Nartatez and D.M. Mortel	Accessibility of Family Planning, Community Development and their Impact on the Birth Rate of Rural Philippines. *
11	D*	Go, B.	Breastfeeding in the Philippines: Levels, Trends and Differentials. MA thesis, Australian National University, 1983.
12	A*	Gonzaga-Esclamad, K.M., E. de Guzman and L.T. Engracia	Infant and Child Mortality in the Philippines: Levels, Trends and Differentials. *
13	A*	Guzman, E. de	Determinants of Nuptiality in the Philippines: Some New Findings. *
14	A*	Guzman, E. de	The Effects of Infant Mortality on Fertility in the Philippines. *

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26	D*	Reomar, J.M.	The Initiation of Contraception in the Philippines. PhD thesis, University of Michigan.
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31	A*	Smith, P.C., A. Alcantara and E. de Guzman	An Assessment of Philippine Cohort Nuptiality Trends. * Also published as East-West Population Institute Reprint no 169.
32	A*	Valera-Cabigon, J.	Determinants of the Timing of Births in the Philippines. +
33	A*	Valera-Cabigon, J.	Factors Affecting Use and Non-Use of Contraception. +
34	A*	Valera-Cabigon, J.	The Timing and Spacing of Births: the Philippines Case. +
35	A*	Valera-Cabigon, J. and L. Jimenez-Hufana	Determinants of Age at First Birth. +
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‡ Items 2, 4, 7, 12 and 13, and summaries of items 1, 5, 11, 14, and 15 are included in *Nuptialité et fécondité au Sénégal*. Etudes coordonnées par Y. Charbit, L. Gueye et S. Ndiaye. 1985.

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4	A*	Gueye, L. and B. Ferry	Les déterminants proches de la fécondité‡.
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6	C	Lesthaeghe, R.	Senegal study.
7	A*	Lo Ndiaye, K.	Entrée en union et divorce.‡
8	A	Mbacke, C.	Migration in Senegal.
9	A	Mbodj, F.G.	Cross-Sectional and Longitudinal Analysis of Fertility.
10	A*	Ministère de l'Economie et des Finances	Enquête Sénégalaise sur la Fécondité 1978: Rapport National d'Analyse. Dakar, 1981.
11	A*	Ndiaye, S.	Connaissance et pratique de la contraception.‡
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13	A*	Sadio, A.	Fécondité générale et fécondité légitime: analyse différentielle.‡
14	A*	Sow, B.	Analyse factorielle et typologique du nombre d'enfants désirés.‡
15	A*	Sow, F.	Nuptialité et fécondité des femmes rurales.‡
16	A/B*	World Fertility Survey	The Senegal Fertility Survey 1978: a Summary of Findings. <i>WFS Summaries of Findings</i> no 30, 1981.
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4	B*	Alam, I. and J.G. Cleland	Illustrative Analysis: Recent Fertility Trends in Sri Lanka. <i>WFS Scientific Reports</i> no 25, 1981.

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6	C*	Camus, G.	Study of Fertility in Sri Lanka.
7	C	Clarke, A.W.	Analysis of the Effect of Landholding Status on Sex Differentials in Child Mortality.
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25	B*	Lightbourne, R.E.	The Value of Re-Interviews in Interpreting Fertility Preference Data: the case of Sri Lanka 1975-79. WFS Technical Paper no 2299, 1984.
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37	C*	Pullum, T.W.	Adjusted Stated Fertility Preferences for the Effect of Actual Family Size, with Application to World Fertility Survey Data. In G.E. Hendershot and P.J. Placek, eds <i>Predicting Fertility: Demographic Studies of Birth Expectations</i> , 1981.
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40	C*	Sikkel, A.	IUDs and Family Planning in Sri Lanka and Pakistan. In E.S. Hafez and W.A. van Os, eds <i>IUDs and Family Planning</i> , 1980.
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16	C*	Tanfer, K.	The Relationship of Education to Fertility in Turkey. Paper presented at PAA Annual Meeting, Washington, DC, Mar 1981.
17	A	Toros, A., E. Tunçbilek and S. Tezcan	Abortion in Turkey.
18	C*	Tunçbilek, E., S. Üner and M. Ulusoy	Breastfeeding in Turkey: the Demographic and Socio-Economic Aspects and Relationship with Infant/Child Mortality. <i>Turkish Journal of Population Studies</i> 4, 1982. Also <i>Turkish Journal of Pediatrics</i> 25(1), 1983.
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Appendix 9

Comparative Analysis Studies – Developing Country Survey Data

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NOTE: The above list includes papers involving comparative analysis of WFS data presented at the WFS Conference in July 1980 and at the WFS Symposium in April 1984 (see also appendix 14). It includes also *WFS Comparative Studies* which are also listed in appendix 12.

Appendix 10

Data Evaluation Reports

Country Reports

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Jamaica	Singh, S. Evaluation of the Jamaica Fertility Survey 1975-76. <i>WFS Scientific Reports</i> no 34, 1982.
Jordan	Abdel-Aziz, A. Evaluation of the Jordan Fertility Survey 1976. <i>WFS Scientific Reports</i> no 42, 1983.
Kenya	Henin, R.A., A. Korten and L.H. Werner. Evaluation of Birth Histories: a Case Study of Kenya. <i>WFS Scientific Reports</i> no 36, 1982.
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Pakistan	Booth, H. and I.H. Shah. The Data and their Quality. In I. Alam and B. Dinesen, eds <i>Fertility in Pakistan: a Review of Findings from the Pakistan Fertility Survey</i> , 1984.
Paraguay	Shoemaker, J.F. Evaluación de la Encuesta Nacional de Fecundidad del Paraguay de 1979. <i>WFS Scientific Reports</i> no 62, 1984.
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Portugal	Conim, C. Evaluation of the Portugal Fertility Survey 1979-80. <i>WFS Scientific Reports</i> no 81, 1985.
Senegal	Gueye, L. Enquête Sénégalaise sur la Fécondité: Rapport d'évaluation. <i>WFS Scientific Reports</i> no 49, 1983.
Sri Lanka	Alam, I. and J.G. Cleland. Illustrative Analysis: Recent Fertility Trends in Sri Lanka. <i>WFS Scientific Reports</i> no 25, 1981.
Sudan	Rizgalla, M.K. Evaluation of the Sudan Fertility Survey 1979. <i>WFS Scientific Reports</i> no 72, 1985.
Syria	Ali, I. Evaluation of the Syria Fertility Survey 1978. Central Bureau of Statistics, 1983.
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Trinidad and Tobago	Hunte, D. Evaluation of the Trinidad and Tobago Fertility Survey 1977. <i>WFS Scientific Reports</i> no 44, 1983.
Tunisia	Jemai, H. Evaluation de l'Enquête Tunisienne sur la Fécondité 1978. WFS unpublished manuscript, 1984.

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Appendix 11

Country-Specific Analysis Reports – Developed Countries

Belgium

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Cliquet, R.L. The Flemish Survey on Family Development, 1975–76: a Summary of Findings. *WFS Summaries of Findings* no 24, 1980.
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In English only unless otherwise stated; some scientific reports are in Spanish or French, as their titles indicate. Year of publication is given in brackets.

GENERAL BROCHURE (1979) (English, French, Spanish, Arabic)

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The summaries for developing countries are generally available in English, French and Spanish.

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23	Multi-Country Analysis	C.B. Lloyd
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36	Implications for Future Demographic Enquiries	W. Brass
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39	Social and Economic Implications	H. Giile

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Appendix 14

Papers Presented at WFS 1980 Conference and WFS 1984 Symposium

WFS 1980 CONFERENCE

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Family Formation and Contraception in Selected Developing
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Family Formation in Developing Countries
Fertility Declines in Developing Countries
Les facteurs de la fécondité dans les payes développés
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The Future of the World Fertility Survey
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M. Macura
M.B. Concepción
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H. Leridon
L. Tabah
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C.A. Miró

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Desired Family Size and Contraceptive Use

Determinants of Fertility: a Preliminary Analysis Based on World
Fertility Survey Data for Colombia, Indonesia, Japan, Korea and
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Direct Estimates of Infant Mortality Differentials from Birth
Histories

Findings from Second Stage Analysis of Pakistan Fertility Survey
Data

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Fertility in Pakistan: Levels, Trends and Differentials

Background Paper no 2

Nuptiality in Pakistan: Trends and Determinants

Background Paper no 3

Fertility Differentials in Pakistan

Background Paper no 4

From Non-Use to Use: Prospects of Contraceptive Adoption in
Pakistan

Background Paper no 5

Breastfeeding and Fertility in Pakistan

Background Paper no 6

Community and Program Variables and their Effects on Fertility-
Related Behaviour of Rural Pakistani Women

Interrelations between Nuptiality and Fertility: the Evidence from
the World Fertility Survey

Mortality

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M.B. Concepción
L.-J. Cho, S.-E. Khoo,
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E.E. Arriaga
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H. Booth and I. Alam
M.S. Karim
J.B. Casterline
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and J.C. Caldwell
G.M.K. Kpedekpo

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Socio-Economic Determinants of Marital Fertility in Twenty Countries: a Multivariate Analysis	G. Rodriguez and J.G. Clelan
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The Contribution of the World Fertility Survey to the Enhancement of Survey Capability in Developing Countries	V.T. Palan and V. Verma
The Contribution of the World Fertility Survey to the Knowledge of Demographic Levels and Trends	J.C. Caldwell and L.T. Ruzicka
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Fertility Patterns in the Arab Region	S.M. Farid

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Assessment of the Quality of Fertility Data Collected in WFS Individual Surveys	N. Goldman
Assessment of the Quality of WFS Data for Direct Estimate of Childhood Mortality	S.O. Rutstein
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Appendix 15

Contributors Towards Cost of WFS 1980 Conference and WFS 1984 Symposium

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WFS 1980 Conference

International Development Research Centre, Canada
Pathfinder Fund
Population Crisis Committee, USA
Population Information Program, USA
Population Resource Center, USA

WFS 1984 Symposium

Economic and Social Research Council, UK
Rockefeller Foundation
Simon Population Trust, UK
William and Flora Hewlett Foundation, USA
World Bank

Appendix 16

WFS Depository Libraries

Africa

- 1 La Bibliothèque Centre Ivoirien de Recherches Economiques et Sociales, Université d'Abidjan, BP 28295 ABIDJAN Cote d'Ivoire.
- 2 The Librarian, UN Economic Commission for Africa PO Box 3005 ADDIS ABABA, Ethiopia.
- 3 Director of Statistics, Central Statistics Department, Quadrangle, BANJUL, Gambia.
- 4 The Population and Social Sciences Library, Institute of Statistical Social and Economic Research, University of Ghana, PO Box 74, LEGON, Ghana.
- 5 Regional Institute for Population Studies, University of Ghana, PO Box 96, LEGON, Ghana.
- 6 The Library, International Planned Parenthood Federation, (IPPF) Africa Regional Office, PO Box 30234, NAIROBI, Kenya.
- 7 The Library, Central Bureau of Statistics, Ministry of Finance and Planning, PO Box 30266, NAIROBI, Kenya.
- 8 Information and Documentation Service, Centre for African Family Studies, PO Box 60054, NAIROBI, Kenya.
- 9 Reference Services Department, University of Liberia Libraries, University of Liberia, PO Box 9020, MONROVIA, Liberia.
- 10 The Library, National University of Lesotho, ROMA, Lesotho.
- 11 The Library, University of Malawi, Chancellor College, PO Box 280, ZOMBA, Malawi.
- 12 Documents Section, University Library, University of Ife, ILE-IFE, Nigeria.
- 13 The Librarian, National Population Bureau, Private Mail Bag 12628 Babs Animashaun Road, Suru-Lere, LAGOS, Nigeria.
- 14 The Librarian, Central Statistical Services, Office of the Prime Minister, Private Bag X44, 270 Schoeman Street, PRETORIA 0002, Republic of South Africa.
- 15 The Librarian, UN Demographic Research and Training Unit, Fourah Bay College, University of Sierra Leone, FREETOWN, Sierra Leone.
- 16 University of Khartoum Library, PO Box 321, University of Khartoum, KHARTOUM, Sudan.
- 17 The Library, University of Dar es Salaam, PO Box 35092, DAR ES SALAAM, Tanzania.
- 18 The Director, Institute of Statistics and Applied Economics, Makerere University, PO Box 7062, KAMPALA, Uganda.

- 19 Bibliothèque Centrale de l'Université Nationale, Campus de Kinshasa, BP 125, KINSHASA XI, Zaïre.
- 20 La Bibliothèque de la Faculté des Sciences Sociales, BP 1825, LUBUMBASHI Zaïre.
- 21 The Librarian, University of Zambia Library, PO Box 2379, LUSAKA, Zambia.
- 22 The Librarian, Central Statistical Office, PO Box 8063, Causeway, HARARE, Zimbabwe.
- 23 Medical Library, University of Zimbabwe, PO Box MP45, Mount Pleasant, HARARE, Zimbabwe.
- Asia and Pacific**
- 1 The Library, Department of Demography, Australian National University, PO Box 4, CANBERRA, ACT 2600, Australia.
- 2 The Librarian, Bangladesh Institute of Development Studies, Adanjee Court, 3rd Floor, Motijheel C/A, DHAKA 2, Bangladesh.
- 3 The Library, Institute of Economics, RANGOON, Burma.
- 4 Population Research Group, Institute of Sociology, The Chinese Academy of Social Sciences, 5 Jianguomen Nei Da Jie, BEIJING, People's Republic of China.
- 5 The Library and Information Service, The Institute of Population Research, The People's University of China, BEIJING, People's Republic of China.
- 6 The Librarian, Department of Economics, Beijing University, BEIJING, People's Republic of China.
- 7 The Librarian, Population Research Centre, Zhongshan University, GUANGZHOU, People's Republic of China.
- 8 The Librarian, Department of Economics, Fudan University, SHANGHAI, People's Republic of China.
- 9 The Library, Bureau of Statistics, PO Box 2221, SUVA, Fiji.
- 10 The Library, Census and Statistics Department, Kai Tak Commercial Building, 317 Des Voeux Road C., HONG KONG.
- 11 The Librarian, Hong Kong Baptist College, 224, Waterloo Road, KOWLOON, Hong Kong.
- 12 The Librarian, Institute for Social and Economic Change, Nagarabhavi PO, BANGALORE 560072, India.
- 13 The Library, International Institute for Population Studies, Govandi Station Road, Deonar, BOMBAY-400 088, India.
- 14 National Library, Foreign Official Documents Division (FOD), Government of India, Belvedere, CALCUTTA 700027, India.
- 15 World Health Organization, SEARO Library, Indraprastha Estate, NEW DELHI-110002, India.
- 16 The Library, Institute of Economic Growth, University of Delhi, NEW DELHI-110007, India.
- 17 National Documentation Centre, National Institute of Health and Family Welfare, Near DDA Flats, Munirka, NEW DELHI-110067, India.

- 18 The Librarian,
Gokhale Institute of Politics
and Economics,
POONA 411 004,
India.
- 19 The Library,
Department of Population
Studies,
Sri Venkateswara University,
TIRUPATI-517502,
Andhra Pradesh,
India.
- 20 Director,
Bureau of Economics and
Statistics,
Vikas Bhavan,
TRIVANDRUM,
Kerala,
India.
- 21 The Library,
Population Institute,
Gadjah Mada University,
Bulaksumur II-5,
YOGYAKARTA,
Indonesia.
- 22 Population Research Institute,
Nihon University College of
Economics,
3-2, Misaki-cho 1-chome,
Chiyoda-ku,
TOKYO 101,
Japan.
- 23 The Library,
Institute of Population
Problems,
Ministry of Health and
Welfare,
2-2, 1-chome,
Kasumigaseki,
Chiyoda-ku,
TOKYO,
Japan.
- 24 The Librarian,
Statistical Information
Division,
Bureau of Statistics,
Economic Planning Board,
90, Gyeongun Dong Jongro
Gu,
SEOUL 110,
Korea.
- 25 The Librarian,
Korean Institute for
Population and Health,
San 42-14 Bilgwang-dong,
Eunpyung-ku,
SEOUL 122,
Korea.
- 26 National Family Planning
Board Library,
PO Box 416,
KUALA LUMPUR 01-02,
Malaysia.
- 27 The Library,
Department of Statistics,
Malaysia Wisma Statistik,
Jalan Young,
KUALA LUMPUR 10-01,
Malaysia.
- 28 The Library,
Population Studies
Programme,
Faculty of Economics and
Administration,
University of Malaya,
KUALA LUMPUR 22-11,
Malaysia.
- 29 The Librarian,
South Pacific Commission,
PO Box D5
NOUMEA CEDEX,
New Caledonia.
- 30 Central Library,
Tribhuvan University,
Kirtipur,
KATHMANDU,
Nepal.
- 31 The Library,
Department of Statistics,
Private Bag,
WELLINGTON,
New Zealand.
- 32 The Librarian,
Office of Census
Commissioner
(Interior Division),
16 Almarkaz Building,
ISLAMABAD,
Pakistan.
- 33 The Library,
Pakistan Institute of
Development Economics,
PO Box 1091,
ISLAMABAD,
Pakistan.
- 34 The Library,
Social Sciences Research
Centre,
University of the Punjab,
New Campus,
LAHORE,
Pakistan.
- 35 The Library,
Bureau of Statistics,
Post Office,
WARDS STRIP,
Papua New Guinea.
- 36 Office of Population Studies,
University of San Carlos,
CEBU CITY,
Philippines.
- 37 The Population Institute
Library,
University of the Philippines,
Padre Faura,
PO Box 479,
MANILA,
Philippines.

- 38 The Library,
Department of Statistics,
PO Box 3010,
SINGAPORE 1,
Singapore.
- 39 The Library,
Marga Institute,
PO Box 601,
61, Isipathana Mawatha,
COLOMBO 5,
Sri Lanka.
- 40 Library,
University of Colombo,
COLOMBO,
Sri Lanka.
- 41 The Clearing-House and
Information Section,
Reference Centre,
ESCAP Population Division,
United Nations Building,
Sala Santitham,
BANGKOK 2,
Thailand.
- Europe**
- 1 The Library,
Austrian Central Statistical
Office,
Heldenplatz,
Neue Burg Postfach 41,
VIENNA A-1014,
Austria.
- 2 The Library,
Centrum voor bevolkings en
Gezinsstudien,
Ministerie v/d Vlaamse
Gemeenschap,
Nijverheidsstraat 35-37,
BRUSSELS B-1040,
Belgium.
- 3 The Library,
Scientific Research Institute of
Statistics,
2 Volov Street,
SOFIA 27,
Bulgaria.
- 4 Federal Office of Statistics,
VUSEI Information Centre,
Library,
Sokolovská 142,
PRAHA 186 00 8-KARLIN,
Czechoslovakia.
- 5 Danmarks Statistik,
The Library,
Sejrogade 11 Postboks 2550,
COPENHAGEN DK-2100 0,
Denmark.
- 6 Bibliothek des Instituts für
Weltwirtschaft an der
Universität Kiel,
Zentralbibliothek der
Wirtschaftswissenschaften,
Postfach 4309,
KIEL D-2300 1,
Fed. Rep. of Germany.
- 7 Statistisches Bundesamt
Bibliothek,
Dokumentation Archiv,
Postfach 55 28,
WIESBADEN D-6200 1,
Fed. Rep. of Germany.
- 8 The Library,
The Population Research
Institute,
Kalevankatu 16,
HELSINKI 00100 10,
Finland.
- 9 La Bibliothèque,
Institut National d'Etudes
Demographiques,
27 rue du Commandeur,
PARIS 75675 Cedex 14,
France.
- 10 The Library,
National Statistical Service of
Greece,
14-16, Lycourgou Street,
ATHENS,
Greece.
- 11 Central Statistical Office,
Library and Documentation
Service,
II- Keleti Károly u. 5,
BUDAPEST II-1525 Pf.
10 Hungary.
- 12 The Librarian,
Central Statistics Office,
Earlsfort Terrace,
DUBLIN 2,
Republic of Ireland.
- 13 Biblioteca,
Dipartimento Statistico,
Università Degli Studi di
Firenze,
Via Curtatone N.1-CP
50123,
FIRENZE,
Italy.
- 14 Biblioteca,
Istituto di Statistica,
Via del Santo 22,
PADOVA I-35100,
Italy.
- 15 Biblioteca,
Istituto Centrale di
Statistica,
Via C. Balbo 16,
00100 ROMA,
Italy.
- 16 Bibliothèque du Service
Central de la Statistique et
des Etudes Economiques
(STATEC),
19-21 Blvd. Royal,
BP 304,
LUXEMBOURG.
- 17 National Library of Malta,
36, Old Treasury Street,
VALLETTA,
Malta.

- 18 Vakgroep Planologie en Demografie, Geografisch Instituut, Rijksuniversiteit Groningen, p/a Bibliotheek Geografisch Instituut Hoogbouw W.S.N., Universiteitscomplex Paddepoel, PB 800, GRONINGEN, Netherlands.
- 19 Centraal Bureau voor de Statistiek, Bibliotheek en Documentatie, Prinses Beatrixlaan 428, 2270 AZ VOORBURG, Netherlands.
- 20 The Library, Central Bureau of Statistics, PB 8131, Oslo Dep., OSLO 1, Norway.
- 21 Centralna Biblioteka Statystyczna/Central Statistical Library, al. Niepodległości 208, 00-925 WARSAW, Poland.
- 22 Biblioteca, Instituto Nacional de Estatística, Avenida António José de Almeida 5-A-80, 1078 LISBOA Cedex, Portugal.
- 23 Biblioteca de la Facultad de Económicas, SANTIAGO DE COMPOSTELA, Spain.
- 24 The Library, Demographic Research Institute, Viktoriagatn 13, S-411 25 GÖTEBORG, Sweden.
- 25 Statistiska centralbyrån Biblioteket, 11581 STOCKHOLM, Sweden.
- 26 The Library, Bureau Fédéral de Statistique, Hallwylstrasse 15, BERN 3003, Switzerland.
- 27 United Nations Library, Processing Section, Palais des Nations, GENEVA 1211 10, Switzerland
- 28 The Director, Documentation Center, Institute of Population Studies, Hacettepe University, ANKARA, Turkey.
- 29 The Library, State Institute of Statistics, Necatibey Caddesi No. 114, ANKARA, Turkey.
- 30 The Librarian, Main Library, The Queen's University of Belfast, BELFAST BT7 1LS UK.
- 31 The British Library, Serial Acquisition Section, BOSTON SPA, Wetherby West Yorks LS23 7BQ, UK.
- 32 The Library, The Institute of Development Studies, The University of Sussex, Andrew Cohen Building, Falmer, BRIGHTON BN1 9RE, UK.
- 33 The Technical Information Officer, University Population Centre, University College, PO Box 78, CARDIFF CF1 1XL, UK.
- 34 Institute of Population Studies, University of Exeter, Hoopern House, 101 Pennsylvania Road, EXETER EX4 6DT, UK.
- 35 Glasgow University Library, Hillhead Street, GLASGOW G12 8QE, UK.
- 36 The Library, International Planned Parenthood Federation, (IPPF), 18-20, Lower Regent Street, LONDON, SW1Y 4PW, UK.
- 37 The Library, London School of Hygiene and Tropical Medicine, Keppel Street, LONDON WC1E 7HT, UK.
- 38 Government Publications Department, British Library of Political and Economic Science, 10, Portugal Street, LONDON WC2A 2HD, UK.
- 39 National and University Library, Acquisiti on - WFS Publications, Marulićev trg 21, pp. 550, 41000 ZAGREB, Yugoslavia.

- Latin America and the Caribbean**
- 1 Biblioteca y Hemeroteca, Departamento Difusión Estadística, Instituto Nacional de Estadística y Censos, Secretaría de Estado de Programación y Coordinación Económica, Hipólito Yrigoyen 250-17o Piso, BUENOS AIRES, Argentina.
 - 2 Institute of Social and Economic Research, (E Caribbean) University of the West Indies, PO Box 64, BRIDGETOWN, Barbados.
 - 3 The Library DESEC, Casilla 469, LA PAZ, Bolivia.
 - 4 Biblioteca Central de IBGE Departamento de Estudos de Populacao (DESPO), Visconde de Niteroi, Rua 1246-Bloco-B-80, Andar, 20.941 RIO DE JANEIRO, Brazil.
 - 5 Centro Latinamericano de Demografía (CELADE), Latin American Population Documentation System (DOCPAL), Avenida Dag Hammarskjöld, Casilla 91, SANTIAGO, Chile.
 - 6 Corporación Centro Regional de Población, Centro de Documentación, Carrera 6a No. 76 34, BOGOTA D.E., Colombia.
 - 7 Proyecto de Demografía, Centro de Investigaciones para el Desarrollo Integral (CIDI), Universidad Pontificia Bolivariana, Apartado Aereo 1178, MEDELLIN, Colombia.
 - 8 The Library, Centro de Estudios Demográficos, Ave. 41 No. 2003 e/n 20 y 22, Marianao 13, HAVANA, Cuba.
 - 9 The Library, Consejo Nacional de Población y Familia, Secretaria de Estado de Salud Pública, Apartado Postal 1803, SANTO DOMINGO, Dominican Republic.
 - 10 Medical Library, Centro Medico 'San José', TAISHA (Morona-Santiago), Ecuador.
 - 11 The Library, Ministry of Economic Development, Ministerial Building, PO Box 542, GEORGETOWN, Guyana.
 - 12 Division d'Hygiène Familiale, 65 Turgeau (3 Bebe), PORT-AU-PRINCE, Haiti.
 - 13 Biblioteca Central, Universidad Nacional Autónoma de Honduras, Ciudad Universitaria, TEGUCIGALPA, Honduras.
 - 14 The Library, Department of Statistics, 9 Swallowfield Road, KINGSTON 5, Jamaica.
 - 15 Gifts & Exchanges Section, Library, University of the West Indies, Mona, KINGSTON 7, Jamaica.
 - 16 Sección de Adquisiciones, Biblioteca Daniel Casío Vilegas, El Colegio de México AC, Apartado Postal 20-671, MEXICO 20, D.F. Mexico.
 - 17 Biblioteca, Dirección de Estadística y Censos, Controlaría General de la República, Apartado 5213, PANAMA 5, Panama.
 - 18 University of Puerto Rico, General Library, MAYAGUEZ, Puerto Rico 00708.
 - 19 The Library, Central Statistical Office, 23 Park Street, PO Box 98, PORT OF SPAIN, Trinidad.
 - 20 The Library, Centro de Investigaciones en Ciencias Sociales (CISOR), Apartado 5894, CARACAS 101, Venezuela.

- Middle East**
- 1 The Library,
Department of Statistics and
Research,
Ministry of Finance,
NICOSIA,
Cyprus.
 - 2 The Librarian,
Cairo Demographic Centre,
2 Lebanon Street,
Mohandiseen,
GIZA,
Egypt.
 - 3 The Library,
Central Bureau of Statistics,
PO Box 13015,
JERUSALEM,
Israel.
 - 4 The Librarian,
Saab Medical Library,
American University of Beirut,
BEIRUT,
Lebanon.
 - 5 Director General,
Census and Statistics
Department,
Ministry of Planning and
Scientific Research,
Shaira Damaseus,
TRIPOLI,
Libyan Arab Republic.
 - 6 Director,
National Statistical
Department,
Development Council,
Technical Secretariat,
PO Box 881,
MUSCAT,
Sultanate of Oman.
 - 7 The Library,
Central Bureau of Statistics
Office of the Prime Minister,
DAMASCUS,
Syrian Arab Republic.
- 8 Central Board of Statistics
Library,
PO Box 670 - Crater,
ADEN,
People's Democratic Republic
of Yemen.
- North America**
- Canada*
- 1 Stanley Taylor Sociology
Library,
Department of Sociology,
University of Alberta,
EDMONTON,
Alberta T6G 2H4.
 - 2 Population Studies Centre,
Department of Sociology,
The University of Western
Ontario,
LONDON,
Ontario N6A 5C2.
 - 3 Centre de Documentation,
Département de Démographie,
Université de Montréal,
MONTREAL P.Q. H3C 3J7.
 - 4 Canada Institute for Scientific
and Technical Information,
National Research Council of
Canada,
OTTAWA K1A 0S2.
 - 5 University of Toronto Library,
Serials Department,
TORONTO
Ontario M5S 1A5.
- USA*
- 6 Center Program in Population
Planning,
M4537 School of Public
Health,
University of Michigan,
ANN ARBOR,
Michigan 48109.
 - 7 Sets Department,
University of Georgia
Libraries,
ATHENS,
Georgia 30602.
 - 8 Centers for Disease Control,
Family Planning Evaluation
Division,
Building 1, Room 4403,
1600 Clifton Road,
ATLANTA,
Georgia 30333.
 - 9 Population Research Center
Library,
University of Texas at
Austin,
1800 Main Building,
AUSTIN,
Texas 78712.
 - 10 Population Information
Program,
The Johns Hopkins
University,
624, North Broadway,
BALTIMORE,
Maryland 21205.
 - 11 Population Center,
Information Unit Library,
Room 3517,
The Johns Hopkins School
of Hygiene,
615, North Wolfe Street,
BALTIMORE,
Maryland 21205.
 - 12 The Library,
Center for Population
Studies,
Harvard University,
665, Huntington Avenue,
BOSTON,
Massachusetts 02115.
 - 13 The Library,
Carolina Population Center,
University Square,
CHAPEL HILL,
North Carolina 27514.

- 14 Population Studies Center, Taylor Murphy Institute, Dynamics Building – 4th Floor, 2015 Ivy Road, CHARLOTTESVILLE, Virginia 22906.
- 15 The Library, University of Chicago, Community and Family Study Center, 1411 East 60th Street, CHICAGO, Illinois 60637.
- 16 Collection Development Librarian, The Center for Research Libraries, 5721, Cottage Grove Avenue, CHICAGO, Illinois 60637.
- 17 East-West Population Institute, Resource Materials Collection, 1777 East-West Road, HONOLULU, Hawaii 96822.
- 18 Reference Room, Office of International Statistics, National Center for Health Statistics, 3700 East-West Highway, HYATTSVILLE, Maryland 20782.
- 19 International Population Program Research and Reference Library, Cornell University, Uris Hall, ITHACA, New York 14850.
- 20 The Department and Population Research Laboratory, Utah State University, LOGAN, Utah 84322.
- 21 Population Research Laboratory Library, University of Southern California, University Park, LOS ANGELES, California 90007.
- 22 The Library, University of Wisconsin, Center for Demography, 3216 Social Science Building, MADISON, Wisconsin 53706.
- 23 University of Minnesota, Center for Population Studies, Box 395, Mayo Memorial Building, 420 Delaware Street SE, MINNEAPOLIS, Minnesota 55455.
- 24 Economic Growth Center Collection, Yale University, Box 1958 Yale Station, NEW HAVEN, Connecticut 06520.
- 25 Documentation and Publications Center, International Planned Parenthood Federation, Western Hemisphere Reg, 105 Madison Ave, 7th Floor, NEW YORK, New York 10016.
- 26 Population Council Library, 1 Dag Hammarskjöld Plaza, NEW YORK, New York 10017.
- 27 Library and Clearinghouse Section, United Nations Fund for Population Activities, 220 East 42nd Street, NEW YORK, New York 10017.
- 28 The Library, Center for Population and Family Health, College of Physicians and Surgeons, 60 Haven Avenue, NEW YORK, New York 10032.
- 29 UN Library, Acquisitions Section, Grand Central, PO Box 2000, NEW YORK, New York 10163.
- 30 The Library, Population Studies Center, University of Pennsylvania, 3718 Locust Walk -- CR, PHILADELPHIA, Pennsylvania 19174.
- 31 Gift and Exchange (Y), G-72 Hillman Library, University of Pittsburgh, PITTSBURGH, Pennsylvania 15260.
- 32 Princeton University, Office of Population Research Library, 21 Prospect Avenue, PRINCETON, New Jersey 08544.
- 33 Librarian, Demographic Library, Population Studies and Training Center, Brown University, PROVIDENCE, Rhode Island 02912.
- 34 The Library, International Fertility Research Program, RESEARCH TRIANGLE PARK, North Carolina 27709.

- 35 The Library,
Center for Studies in
Demography and Ecology,
University of Washington,
SEATTLE,
Washington 98195.
- 36 Serials Division,
Washington University
Libraries,
ST LOUIS,
Missouri 63130.
- 37 International Documents
Librarian,
Government Documents
Department,
Stanford University Libraries,
STANFORD,
California 94305.
- 38 Center for the Study of
Population,
Florida State University,
659 Bellamy Building,
TALLAHASSEE,
Florida 32306.
- 39 Population Reference Bureau
Library,
1337 Connecticut Avenue NW,
WASHINGTON, DC 20036.
- 40 The Library,
Population Crisis Committee,
Suite 550,
1120 19th Street NW,
WASHINGTON, DC 20036.
- 41 Documentation Branch,
International Statistical
Programs Center,
Bureau of the Census,
WASHINGTON, DC 20233.
- 42 Committee on Population
and Demography,
Assembly of Behavioral and
Social Sciences,
National Research Council,
2101 Constitution Ave,
WASHINGTON, DC 20418.
- 43 Library of Congress,
Exchange and Gift Division
IO,
WASHINGTON, DC 20540.

Appendix 17

WFS Computer Software

BIRTHS	Analysis of birth history in a standard recode file.
CHECKDICT	Checking of the format of a WFS dictionary.
CLUSTERS	Computing of sampling errors.
COCGEN	Generation of table specifications for Cocents.
CODBOX	Generation of Cobol program codes from variable recoding specifications entered into the computer in a form equivalent to that recommended in WFS 'Data Processing Guidelines' for specifying variables.
COMBINER	Addition of selected variables from a data file to matching records of a master or primary file.
CONVDICT	Conversion of information in a WFS dictionary into data-descriptive information in the formats required by a variety of packages and languages (SPSS, BMDP, Cocents, Concor, Fortran, Cobol).
CORRECTR	Updating of data records by variable.
CROSSREF	Production of cross-reference listing showing which variables are used in which tables.
DEIR	Editing of marriage and birth history dates and imputation of missing dates. A second version FDEIR was produced for use in connection with the FOTCAF module.
FERTRATE	Computation of standard fertility rates, sex ratio and survivorship rates.
FORMAT/STRUCT	Checking of format of data cards and their overall structure.
FREQS	Creation of marginals.
NUPTIALS	Finding of maximum likelihood estimates of the parameters of the Coale/McNeil model nuptiality schedule.
RANGE	Performance of range checks on data.
SORCER	Creation of a master copy of all program source codes.
SUBSETTER	Creation of 'subset' data files from data files described by a WFS dictionary.
UPDATE	Updating of data records by card image.
WSPSS	A preprocessor for SPSS.

This range of software is available from the Dynamic Data Base, International Statistical Institute Research Centre, Voorburg, Netherlands.

Appendix 18

WFS Developing Country Survey Archive – Conditions for Release and Use of Data Tapes

The conditions for release and use of data tapes vary from country to country and are summarized below. In general they refer to data in the form of tapes or unpublished tabulations.

There are two main categories of studies for which WFS data are requested – country-specific and comparative – and the corresponding conditions for release are different.

Single country studies

Any individual or organization requiring access to the data for analysis based on a single country should obtain specific authorization for the use of data from the country concerned. Application for such permission may be made direct to the national director of the survey (see appendix 3) with a copy to ISI, or may be made to ISI which will then apply to the country on behalf of the researcher. In either case, the request should be accompanied by a brief and clear description of the research planned. If a researcher requests data for use in more than one project, separate authorization is needed for each project. Direct and active participation of national researchers in the project is highly desirable: most countries tend to give priority to research work carried out by their own nationals.

Cross-national comparative analysis

In the case of comparative analysis, some countries have delegated the responsibility for data release to ISI, but this does not imply free and unrestricted access to the data from these countries.

Category A. Countries which have authorized ISI to release the data on their behalf, subject to the agreement mentioned below:

Bangladesh	Jamaica
Cameroon	Kenya
Colombia	Lesotho
Costa Rica	Nepal
Dominican Republic	Pakistan
Fiji	Panama
Ghana	Peru
Guyana	Portugal
Hong Kong	Sri Lanka

Category B. Countries which require specific authorization for each project:

Benin	Paraguay
Ecuador	Philippines
Egypt	Senegal
Haiti	Sudan
Indonesia	Syria
Ivory Coast	Thailand
Jordan	Trinidad and Tobago
Korea, Rep. of	Tunisia
Malaysia	Turkey
Mexico	Venezuela
Morocco	Yemen AR
Nigeria	

Conditions to be Observed for the Distribution of Data by WFS

Regardless of whether the research project is 'single country', or 'comparative', every user is required by ISI to sign an agreement with respect to each country's data accessed for each project. The conditions for use of the data are set out in the agreement forms. No data will be distributed until a completed agreement has been received by ISI; a copy of each agreement is then forwarded to the country concerned. There are three standard requirements which apply in all cases:

- (i) The data are to be used only for the research project described on the agreement form.
- (ii) The data shall not be handed over to anyone else without prior approval of ISI.
- (iii) Copies of the report arising from the research must be sent to ISI for forwarding to the country. (Jamaica, Jordan and Nepal also require country approval prior to distribution or publication.)

Additional conditions are made by certain countries. Users are also required to complete an application form.

Appendix 19

WFS Developing Country Survey Archive – Dataset Issues

(to 30 June 1984)

Bangladesh	79	Mexico	40
Benin	3	Morocco	4
Cameroon	32	Nepal	52
Colombia	65	Nigeria	6
Costa Rica	37	Pakistan	61
Dominican Republic	46	Panama	52
Ecuador	18	Paraguay	14
Egypt	20	Peru	61
Fiji	46	Philippines	14
Ghana	33	Portugal	11
Guyana	44	Senegal	20
Haiti	18	Sri Lanka	89
Hong Kong	6	Sudan (North)	13
Indonesia	42	Syria	25
Iran	–	Thailand	16
Ivory Coast	6	Trinidad and Tobago	29
Jamaica	47	Tunisia	5
Jordan	48	Turkey	–
Kenya	65	Venezuela	13
Korea, Rep. of	63	Yemen AR	4
Lesotho	44		
Malaysia	28	Total	1322
Mauritania	3		

Note: These figures count individual datasets, eg a dispatch of the standard recode and of the raw data counts as two datasets. They also include dispatches of updated datasets and of datasets sent back to the original country after processing.

Appendix 20

Consultative Committees, Seminars, Meetings

AD HOC TECHNICAL ADVISORY MEETINGS (preparatory to WFS programme)

1st Meeting

Purpose To give technical guidance on the feasibility of the WFS project and to make recommendations on the needs and objectives of the WFS.

Place and Date The Hague July 1972.

Chairman M. Macura (Yugoslavia).

Participants	Consultants and Observers	Representatives of Sponsoring Agencies
G.T. Acsádi (Hungary)	S. Baum (US Bureau of Census)	R.O. Carleton (UN Population Division)
R. Alvarado (Mexico)	J.C. Caldwell (Australia)	L.H. Day (UN Statistical Office)
W. Brass (UK)	P. Gardiner (US Bureau of Census)	H. Gille (UNFPA)
C. Chandrasekaran (India)	D.J. van de Kaa (Netherlands)	B. Remiche (IUSSP)
M.B. Concepción (Philippines)	J. Kantner (USA)	J.T. Sprehe (USAID)
A. Conning (CEI.ADE)	E.E. Linder (USA)	M.G. Kendall (ISI)
N. Fişek (Turkey)	W. Seltzer (Population Council)	E. Lunenberg (ISI)
R. Freedman (USA)		J.Ch.W. Verstege (ISI)
K.T. de Graft-Johnson (Ghana)		P. Carter (ISI)
J. Harewood (Trinidad and Tobago)		
N. Iskandar (Indonesia)		
L. Tabah (France)		
C.F. Westoff (USA)		

2nd Meeting

Purpose To consider the technical requirements of the project.

Place and Date The Hague July 1972.

Chairman M. Macura (Yugoslavia).

Participants	Consultants and Observers	Representatives of Sponsoring Agencies
G.T. Acsádi (Hungary)	F.E. Linder (USA)	R.O. Carleton (UN Population Division)
P. Cantrelle (France)	E.S. Marks (USA)	L.H. Day (UN Statistical Office)
A. Casis (Inter-American Statistical Institute)	W. Seltzer (Population Council)	H. Gille (UNFPA)
R. Chander (Malaysia)		B. Remiche (IUSSP)
I. Fellegi (Canada)		J.T. Sprehe (USAID)
K.T. de Graft-Johnson (Ghana)		M.G. Kendall (ISI)
L.A.W. Harding (Sierra Leone)		E. Lunenberg (ISI)
S.S. Heyer (Kenya)		J.Ch.W. Verstege (ISI)
D.B. Lahiri (India)		P. Carter (ISI)
D.B. Levine (USA)		
J.C. Rumford (Liberia)		
J. Somoza (CEI.ADE)		
K. Tekçe (Hungary)		
D.J. van de Kaa (Netherlands)		

PROGRAMME STEERING COMMITTEE

Terms of Reference

To provide overall substantive guidance and review of the WFS programme.

Meetings

1st	- The Hague	22-23 January 1973
2nd	- Vienna	17-18 August 1973
3rd	- Princeton	21-22 February 1974
4th	- The Hague	11-13 December 1974
5th	- London	21-23 May 1975
6th	- Kingston	24-26 November 1975
7th	- London	5-7 April 1976
8th	- Washington, DC	27-29 October 1976
9th	- Nairobi	19-23 September 1977
10th	- London	23-25 May 1978
11th	- Washington, DC	12-14 February 1979
12th	- Manila	14-16 December 1979
13th	- Princeton	5-6 February 1981
14th	- London	18-19 February 1982
15th	- London	3-4 May 1983

Note: There were informal meetings of the Programme Steering Committee during the WFS Conference, London, 7-11 July 1980, and the WFS Symposium, London, 24-27 April 1984.

Membership

The Programme Steering Committee membership comprised a chairman; four experts, serving in their individual capacities, appointed by ISI in consultation with IUSSP and the UN; and representatives of each of the following organizations: UN Population Division, UN Statistical Office, UN Fund for Population Activities, US Agency for International Development, UK Ministry of Overseas Development (later Overseas Development Administration) (from the 10th meeting) and IUSSP.

Dr P.J. Bjerve was Chairman throughout. The Chairman of the Technical Advisory Committee was always a member of the Programme Steering Committee. The following records the constitution of the Committee at the first and last formal meetings, and also other persons who served as members or alternate members at various times:

Membership as at 1st meeting –

Chairman

P.J. Bjerve (Norway)

Representatives:

UN Population Division

L. Tabah

M.A. El-Badry (alternate)

UN Statistical Office

S.A. Goldberg

L.H. Day (alternate)

UNFPA

H. Gille

USAID

R.T. Ravenholt

J.T. Sprehe (alternate)

IUSSP

C. Chandrasekaran

E. Grebenik (alternate)

B. Remiche (alternate)

Individual members

M.B. Concepción (Philippines)

K.T. de Graft-Johnson (Ghana)

F.E. Linder (USA)

M. Macura (Yugoslavia)

Membership as at 15th meeting –

Chairman

P.J. Bjerve (Norway)

Representatives:

UN Population Division

L. Tabah

UN Statistical Office

W. Seltzer

S. Suharto (alternate)

UNFPA

N. Sadik

P. Micou (alternate)

USAID

R. Cornelius

UKODA

B.M. Kelly

C. Allison (alternate)

IUSSP

M.B. Concepción

G. Tapinos (alternate)

B. Remiche (alternate)

Individual members

A.J. Coale (USA)

K.T. de Graft-Johnson (Ghana)

F.E. Linder (USA)

M. Macura (Yugoslavia)

Persons serving as members at other times or in other capacities:

Representatives:

UN Population Division	R.O. Carleton (alternate)
UN Statistical Office	W. Seltzer (alternate)
UNFPA	N. Sadik (alternate)
USAID	J.W. Brackett (alternate)
	R. Cornelius (alternate)
	S. Joseph
	D. Gillespie
UKMOD (later ODA)	J.R. Greig
	M. McDowall (alternate)
	C.D. Walker (alternate)
IUSSP	C. Miró
	A.J. Coale
	M. Livi-Bacci (alternate)
Individual members	C. Chandrasekaran (India)
	C. Miró (Panama)

TECHNICAL ADVISORY COMMITTEE

Terms of Reference

To advise the Programme Steering Committee, through the Project Director, on all technical aspects of the WFS.

Meetings

1st	- New York	14-15 May 1973
2nd	- London	15-17 October 1973
3rd	- Port of Spain	16-18 January 1974
4th	- Kuala Lumpur	21-24 May 1974
5th	- London	29-31 October 1974
6th	- London	15-17 September 1975
7th	- The Hague	16-18 August 1976
8th	- The Hague	25-27 July 1977

After its 8th meeting, it was decided that the Committee had served its purpose and that it should be disbanded, to be replaced by *ad hoc* committees for particular purposes as the need arose.

Membership

The members of the Technical Advisory Committee were nominated by ISI and IUSSP, in consultation.

Dr. C. Chandrasekaran was Chairman of the Committee for the first five meetings and Dr M.B. Concepción for the last three meetings. The following records the constitution of the Committee at the first and last meetings, and also other persons who served on the Committee at various times:

Membership as at 1st meeting --

Chairman	C. Chandrasekaran	(India)
Members	J.C. Caldwell	(Australia)
	P. Cantrelle	(France)
	R. Chander	(Malaysia)
	W.J. Dixon	(USA)
	S.K. Gaisie	(Ghana)
	D.V. Glass	(UK)
	J. Harewood	(Trinidad and Tobago)
	G. Johnson-Acsádi	(USA)
	L. Kish	(USA)
	W.P. Mauldin	(USA)
	C. Miró	(Panama)

Membership as at 8th meeting --

Chairman	M.B. Concepción	(Philippines)
Members	S. Al-Shaikhly	(Iraq)
	E. Berquo	(Brazil)
	P. Cantrelle	(France)
	L.-J. Cho	(Korea)
	G. Johnson-Acsádi	(USA)
	L. Kish	(USA)
	G.M. Kpedekpo	(Ghana)
	C.F. Westoff	(USA)

Other persons serving as members at various times:

- B. Benjamin (UK)
- A.J. Coale (USA)
- A. Conning (USA)
- R. Freedman (USA)

REGIONAL CO-ORDINATING COMMITTEE

Terms of Reference

To advise the Programme Steering Committee on the co-ordination and exchange of information with inter-governmental and non-governmental organizations sponsoring regional population programmes, especially field surveys.

Meeting

The Hague 24-26 January 1973

Note: This Committee met only once. Its purpose was obviated by the WFS plan to sponsor a series of regional conferences for the purpose of explaining the WFS to interested officials and scholars in countries of the various regions. Members of the Committee were instrumental in assisting WFS with the staging of these regional conferences.

Membership

Chairman	Sir Maurice Kendall (WFS)
Representatives	
UN Population Division	R.O. Carleton G. Johnson-Acsádi (alternate)
UNECA	R.K. Som J. Diakite (alternate) D.K. Ghansah (alternate) P.O. Ohadike (alternate)
UNECAFE	C.M. Frisén S. Hashmi (alternate)
UNECE	J. Berent V.C. Chidambaram (alternate)
UNECLA	G. Martine
UNESOB	J.C. Chasteland
CELADE	C.A. Miró A.M. Conning (alternate)
Population Council	W. Seltzer R. Lapham (alternate)
CICRED	J. Bourgeois-Richat Bui-Dang-Ha Doan (alternate)

AD HOC ADVISORY COMMITTEE ON ILLUSTRATIVE ANALYSIS

Terms of Reference

To advise the Programme Steering Committee on the Illustrative Analysis project.

Meetings

1st	- London	26 May 1978
2nd	- Princeton	19 February 1979
3rd	- London	8 April 1980

Membership

Chairman	A.J. Coale (USA)
Members	M.B. Concepción (Philippines)
	G. Johnson-Acsádi (USA)
	H. Leridon (France)
	Representatives of UNFPA and USAID

WFS 1980 CONFERENCE

Organizing Committee

Chairman	Sir Maurice Kendall	(WFS)
Members	J.W. Brackett	(USAID)
	R.O. Carleton	(UN Population Division)
	H. Gille	(UNFPA)
	J.R. Greig	(UKODA)
	C. Linzey	(WFS)
	E. Lunenberg	(ISI)
	B.M. Remiche	(IUSSP)
	C.D. Walker	(UKODA)

Programme Committee

Chairman	M.B. Concepción	(Philippines)
Members	J.W. Brackett	(USAID)
	W. Brass	(LSHTM)
	A.J. Coale	(IUSSP)
	H. Gille	(UNFPA)
	R.A. Henin	(Population Council, Nairobi)
	M.H. Henriques	(IBGE)
	I. Husain	(India)
	Sir Maurice Kendall	(WFS)
	H. Leridon	(INED)
	E. Lunenberg	(ISI)
L. Tabah	(UN Population Division)	

Executive Committee

Chairman	Sir Maurice Kendall*	(WFS)
Members	M. Macura	(WFS)
	E. Lunenberg	(ISI)
	B.M. Remiche	(IUSSP)
	D.S. Whitelegge	(WFS)
	Y. Yaşer	(WFS)

*Until 15 May 1980.

WFS CONSULTANTS MEETINGS

Meeting	Place	Date	Participants
Training Seminar	London	9-11 July 1974	G.T. Acsádi (USA)
			C. Cannell (USA)
			P. Cantrelle (France)
			E.H. Choe (Korea)
			D.F. Heisel (USA)
			R.A. Henin (Tanzania)
			F.F. Linder (USA)
			M. Maeda (Japan)
			H.J. Malin (USA)
			V.T. Palan (Malaysia)
			Q. Henriquez de Paredes (El Salvador)
			W. Seltzer (USA)
			D.V.N. Sarma (India)
			S. Timur (Turkey)
			B. Washabaugh (USA)
C.F. Westoff (USA) (Chairman)			

Meeting	Place	Date	Participants	
Seminar on Tabulation and Analysis of Survey Data	London	9-13 September 1974	E.M.L. Beale J. Berent W. Brass D. Breznik M.B. Brown L. Bumpass G. Cabrera L.-J. Cho M.B. Concepción E. Cordero W.J. Dixon L. Guttman P.M. Hauser L. Kish P.O. Ohadike R.L. Plackett T.W. Pullum J.R. Rele N.B. Ryder K.W. Schwarz J. Willard	(UK) (ECE) (UK) (Yugoslavia) (Israel) (USA) (Mexico) (USA) (Philippines) (Mexico) (USA) (Israel) (USA) (USA) (USA) (Nigeria) (UK) (USA) (India) (USA) (F.R. of Germany) (USA)
Advisory Committee on the Development of a Computer Editing Package	Washington, DC	February 1975 (2 meetings)	J. Willard W.J. Dixon J. Ortuzar (CELADE)	(USA) (USA) (last meeting only)
	Ottawa	June 1975	M.J. Lackner (UN Statistical Office)	was present as an observer for the last two meetings only.
Working Party on Strategies for Analysis of WFS Data	London	23-25 June 1975	M. Brown A.J. Coale I. Francis R. Freedman K. Hill I. Pool T.W. Pullum N.B. Ryder	(USA) (USA) (USA) (USA) (UK) (New Zealand) (USA) (USA)
Working Group on Strategies for Analysis	London	14-16 July 1976	E. Berquo R.G. Carleton A.J. Coale N.B. Ryder K. Srinivasan L. Tabah	(Brazil) (UN Population Division) (USA) (USA) (India) (UN Population Division)

Meeting	Place	Date	Participants
Expert Committee on Co-ordination and Implementation of Analysis of WFS Data	London	26-28 January 1977	Sir Maurice Kendall (WFS) (Chairman) R. Cornelius (USAID) J. Dejong (CELADE) K.T. de Graft-Johnson (UNECA) S. Hashmi (UNESCAP) H. Leridon (France) L. Tabah (UN Population Division) T. King (IBRD) } G. Standing (ILO) } Observers
Seminar on Sampling Errors for WFS Surveys	London	23-24 May 1977	Sir Maurice Kendall (WFS) (Chairman) G. Kalton (UK) J. Kish (USA) A. O'Muircheartaigh (Ireland)
Expert Meeting on Methodology of Comparative Analysis	London	20-22 August 1979	R. Freedman (USA) (Chairman) R.A. Bulatao (Philippines) R.O. Carleton (UN Population Division) A.J. Coale (USA) A.I. Hermalin (USA) J.N. Hobcraft (UK) L. Tabah (UN Population Division)

Appendix 21

Personnel

WFS PROFESSIONAL STAFF, ISI PERMANENT OFFICE STAFF, CONSULTANTS, RESIDENT ADVISERS, UN LIAISON OFFICERS, FUNDING AGENCY PROJECT OFFICERS

WFS PROFESSIONAL STAFF

Project Director

Sir Maurice Kendall	1 Oct 1972 – 15 May 1980
M. Macura	16 May 1980 – 31 Mar 1981
V.C. Chidambaram (Acting)	1 Apr 1981 – 20 Jul 1981
D.J. van de Kaa	21 Jul 1981 – 30 Jun 1982
H. Gille	1 Jul 1982 – 30 Jun 1984

Professional Staff (London)

A. Ahmad	(Pakistan)	B. Dinesen	(Denmark)
M. Ahmad	(Bangladesh)	A.T. Dinh	(France)
R. Ahmed	(Bangladesh)		
I. Alam	(Pakistan)	S.M. Farid	(Egypt)
M. Argana	(USA)	D. Farrell	(USA)
A. Attygalle	(Sri Lanka)	B. Ferry*	(France)
K. Balasubramanian	(India)	G. Gilbert	(USA)
M. Baraket	(Tunisia)	C. Guitton	(France)
D. Benoit*	(France)		
J.G. Blacker	(UK)	R. Hanenberg	(USA)
Bogale Demissie	(Ethiopia)	T. Harpham	(UK)
		B. Harris	(USA)
E. Carraseo	(Chile)	J.N. Hobercraft	(UK)
J.B. Casterline	(USA)		
V.C. Chidambaram	(India)	H. Jemai	(Tunisia)
J.G. Cleland	(UK)		
S. Coulibaly	(Upper Volta)	M. Kabir	(Bangladesh)
T. Croft	(UK)	M.I. Khalil	(Egypt)

* On secondment from the French Government.

Professional Staff (London) (cont)

M. Lacombe*	(France)	Y. Şahinkaya	(Turkey)
R.E. Lightbourne	(Jamaica)	C.S. Scott‡	(UK)
C.J. Linzey	(UK)	P. Simpson	(Australia)
R.J.A. Little	(UK)	S. Singh	(Guyana)
A.L. MacDonald	(Surinam)	D.P. Smith	(USA)
J.W. McDonald	(USA)	E. Soulas	(France)
A.M. Marckwardt	(USA)	J.T. Sprehe	(USA)
N. Mangubat	(Philippines)	A.B. Sunter	(Canada)
E. Naulleau†	(France)	Y.J. Takeshita	(USA)
D. Nassli	(France)	G. Thomas	(USA)
C.A. O'Muircheartaigh	(Ireland)	R. Thompson	(UK)
J. Otto	(USA)	M.T. Vaessen	(Netherlands)
N. Özsever	(Turkey)	V. Verma	(India)
M. Pasaba	(USA)	J. Verrall	(UK)
M. Pearce	(UK)	S. Wallace	(USA)
L. Pirzada	(Colombia)	R. Ward	(New Zealand)
T.W. Pullum	(USA)	A.J. Westlake	(UK)
J. Rattenbury	(UK)	D.S. Whitelegge	(UK)
L.R. Rehlin	(Sweden)	A.M. Whitfield	(UK)
G. Rodriguez	(Chile)	K. Williams	(UK)
P. Rodriguez	(Chile)	L. Williams	(USA)
B. Rowe	(UK)	C. Xenos	(Greece)
S.O. Rutstein	(USA)	Y. Yaşer	(Turkey)

ISI PERMANENT OFFICE**Director**

E. Lunenberg**	(Netherlands)
L. Bacon (USA)	
T. Bakker**	(Netherlands)
P. Beekhuizen	(Netherlands)
M.H.K. Evans	(UK)
C. Hendriks	(Netherlands)
R. Henwick	(UK)
G. Mast**	(Netherlands)
H.R. Pyzel	(Netherlands)
G. Rutteman**	(Netherlands)
D.I. Smith	(UK)
H. van Klaveren**	(Netherlands)
J. van Werkhoven	(Netherlands)
W. Versluis**	(Netherlands)
J.Ch.W. Verstege**	(Netherlands)
K. Wirtz	(Netherlands)

* On secondment from the French Government.

† On loan from the French Government.

‡ Outposted from UNESCO and later from UN Population Division.

** Part time only for WFS.

CONSULTANTS

N. Abdulah	(Trinidad and Tobago)	Y. Gokturk	(Turkey)
G.T. Acsádi	(Hungary)	D. Goldberg	(USA)
J. Adams	(USA)	N. Goldman	(USA)
I. Alam	(Pakistan)	E. Grebenik	(UK)
S. Allman	(USA)	A. Hammouda	(Jordan)
K. Alloush	(Syria)	J. Harewood	(Trinidad and Tobago)
R. Appiah	(Ghana)	R.A. Henin	(Egypt)
M. Argana	(USA)	A.G. Hill	(UK)
A. Aziz	(Jordan)	J.N. Hobcraft	(UK)
		D. Holt	(UK)
S. Balkaran	(Guyana)	G.E. Immerwahr	(USA)
B. Barrère	(France)		
M. Berrebi	(France)	Y. Jemai	(France)
J.G. Blacker	(UK)	E. Jones	(USA)
D. Blanchet	(France)		
J. Bongaarts	(USA)	G. Kalton	(UK)
H. Booth	(UK)	I. Kalule-Sabiti	(Uganda)
M.D. Bracher	(Australia)	A. Kerschman	(Austria)
W. Brass	(UK)	A. Khalifa	(Egypt)
L. Bumpass	(USA)	M.I. Khalil	(Egypt)
J.C. Caldwell	(Australia)	L. Kish	(USA)
C. Callum	(UK)	A. Klinger	(Hungary)
P. Cantrelle	(France)	C.M. Langford	(UK)
Y. Charbit	(France)	H. Leridon	(France)
P.C. Chen	(USA)	R.J. Lesthaeghe	(Belgium)
L.-J. Cho	(USA)	F.E. Linder	(USA)
A.J. Coale	(USA)	R.J.A. Little	(UK)
M.B. Concepción	(Philippines)		
Y. Courbage	(Lebanon)	M. Macura	(Yugoslavia)
E.M. Crimmins	(USA)	A.M. Marekwardt	(USA)
W.J. Dixon	(USA)	W.M. Mason	(USA)
B. Draper	(UK)	J.A. Massiah	(Guyana)
		J. McCarthy	(USA)
R. Easterlin	(USA)	P.F. McDonald	(Australia)
G.E. Ebanks	(Jamaica)	S.A. Meegama	(Sri Lanka)
S. El-Atoum	(Jordan)	J. Menken	(USA)
		C. Metzger	(USA)
M. Farag	(Egypt)	E. Mueller	(USA)
G. Feeney	(USA)		
I. Fellegi	(Canada)	J. Ntozi	(Uganda)
B. Ferry	(France)		
I. Francis	(USA)	C.A. O'Muireheartaigh	(Ireland)
D. Freedman	(USA)	M. Ortega	(Chile)
R. Freedman	(USA)	J. Otto	(USA)
W. Gilks	(UK)	H.J. Page	(Belgium)
D.V. Glass	(UK)	V.T. Palan	(Malaysia)

CONSULTANTS (*cont*)

J.A. Palmore	(USA)	K.S. Srikantan	(India)
G. Pison	(France)	K. Srinivasan	(India)
I. Pool	(New Zealand)	J. Steele	(UK)
J.E. Potter	(USA)	J.M. Stycos	(USA)
T.W. Pullum	(USA)	A.B. Sunter	(Canada)
H. Rashad	(Egypt)	Y.J. Takeshita	(USA)
R. Rindfuss	(USA)	F. Tallon	(France)
J. Ring	(UK)	L. Thompson	(USA)
G. Rodriguez	(Chile)	I. Timæus	(UK)
P. Rodriguez	(Chile)	T.J. Trussell	(USA)
J.H. Rose	(UK)	A.O. Tsui	(USA)
L. Rosero	(Ecuador)	V. Verma	(India)
L.T. Ruzicka	(Australia)	S. Wallace	(USA)
N.B. Ryder	(USA)	R. Ward	(New Zealand)
D. Saget	(France)	H. Ware	(Australia)
Y. Şahinkaya	(Turkey)	A. Weckes	(Trinidad and Tobago)
G. Santow	(Australia)	L. Werner	(USA)
Z.A. Sathar	(Pakistan)	C.F. Westoff	(USA)
C.S. Scott	(UK)	L. Williams	(USA)
W. Seltzer	(USA)	M. Woolf	(UK)
I.H. Shah	(Pakistan)	W. Wynne	(USA)
P. Simpson	(UK)	B. Yao Kouame	(Ivory Coast)
I. Sirageldin	(Egypt)	Y. Zoughlami	(Tunisia)
I. Sivin	(USA)		
D.P. Smith	(USA)		
M. Spathopoulos	(Greece)		

RESIDENT ADVISERS

Adviser	For	Adviser	For
J. Allman	Haiti	E. Hardy	Dominican Republic
J.G. Cleland	Fiji	L. Lewis	Bangladesh
M. Farag	Sudan	W. Murphy	Lesotho
C. Fellman	Ivory Coast	F. Notzon	Morocco
B. Ferry	Cameroon	L.H. Werner	Kenya
A. Feuerstein	Senegal	Y. Zoughlami	Mauritania

In addition, J. Harewood was WFS Regional Co-ordinator for the Caribbean surveys (Guyana, Jamaica and Trinidad and Tobago).

UN LIAISON OFFICERS

UNHQ	New York	R.O. Carleton	Nov 1974 - Dec 1981
Asia and Pacific	Bangkok	B. Aromin	Feb 1976 - Jul 1978
		J.R. Rele	Aug 1978 - Nov 1982
Latin America	Panama City	H. Araica	May 1975 - Dec 1978
	Santiago	A.M. Marckwardt	Dec 1979 - Mar 1982

FUNDING AGENCY PROJECT OFFICERS

UNFPA	E. Wibmer
	P. Micou
USAID	R. Cornelius
	J. Lawson
UKMOD(ODA)	M. McDowall
	C.D. Walker
	C. Allison

Appendix 22

Abbreviations Used in the Report

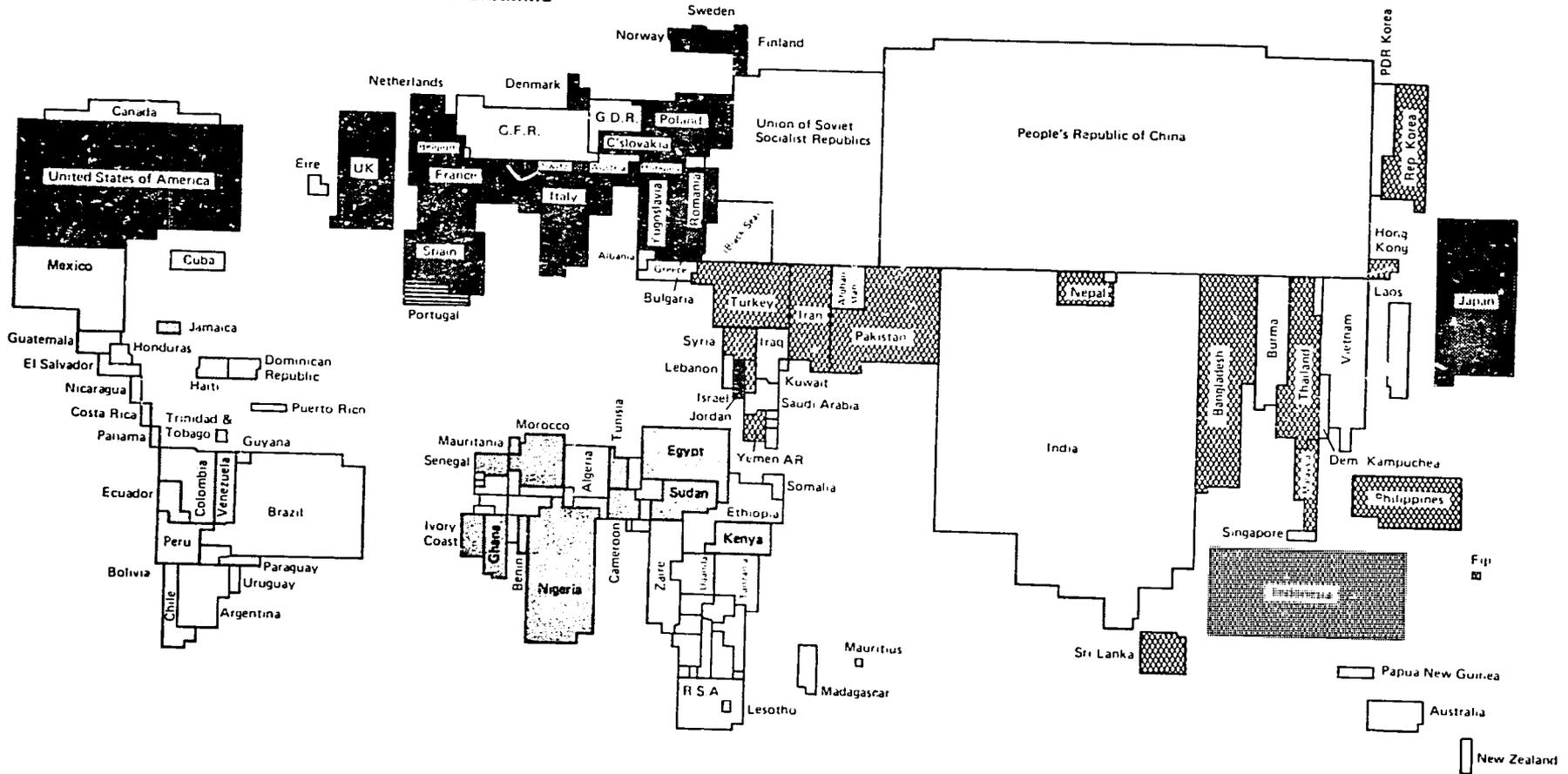
(see also appendix 17 – WFS Computer Software)

ACCEP	(WFS) Advisory Committee on the Development of a Computer Editing Package
AMIDEP	Asociación Multidisciplinaria de Investigación y Docencia en Población (Peru)
CAPMAS	Central Agency for Public Mobilisation and Statistics (Egypt)
CBGS	Centrum voor Bevolkings- en Gezinsstudiën (Belgium)
CCAF	(IUSSP) Committee on Comparative Analysis of Fertility
CCRP	Corporación Centro Regional de Población (Colombia)
CELADE	Centro Latinoamericano de Demografía
CICRED	Committee for International Co-ordination of National Research in Demography
COCENTS	Tabulation package developed by the US Bureau of the Census, adapted for WFS purposes
CONCOR	Editing Package developed by CELADE and WFS
DNISR	Danish National Institute of Social Research
FOTCAF	Factors Other Than Contraception Affecting Fertility (WFS Module)
FP and MCH	Family Planning and Maternal and Child Health
IASS	International Association of Survey Statisticians
IBRD	International Bank for Reconstruction and Development
IDRC	International Development Research Centre (Canada)
IIPS	International Institute for Population Studies (Bombay)
ILO	International Labour Organization/Office
INED	Institut National d'Etudes Démographiques (France)
INSEE	Institut National de la Statistique et des Etudes Economiques (France)
IPPF	International Planned Parenthood Federation
ISI	International Statistical Institute
ISIRC	International Statistical Institute Research Centre
IUSSP	International Union for the Scientific Study of Population
LSHTM	London School of Hygiene and Tropical Medicine
NAS	National Academy of Sciences (USA)

(N)CSO	(National) Central Statistical Office (various countries)
NFPB	National Family Planning Board (Malaysia)
NHSCP	National Household Survey Capability Programme (United Nations)
NIDI	Netherlands Interuniversity Demographic Institute
NIPORT	National Institute of Population and Training (Bangladesh)
OECD	Organization for Economic Co-operation and Development
ONE	Oficina Nacional de Estadística (Peru)
ORSTOM	Office de la Recherche Scientifique et Technique Outre-Mer (France)
OUP	Oxford University Press
PAA	Population Association of America
PES	Post-Enumeration Survey
POPIN	(United Nations) Population Information Network
POPLABS	Laboratories for Population Studies
PRB	Population Reference Bureau
PSC	(WFS) Programme Steering Committee
RIPS	(United Nations) Regional Institute for Population Studies (Accra)
SPSS	Statistical Package for the Social Sciences
TAC	(WFS) Technical Advisory Committee
UKODA	United Kingdom Overseas Development Administration
UNDP	United Nations Development Programme
(UN)ECA	(United Nations) Economic Commission for Africa
(UN)ECAFE	(United Nations) Economic Commission for Asia and the Far East (later ESCAP)
(UN)ECE	(United Nations) Economic Commission for Europe
(UN)ECLA	(United Nations) Economic Commission for Latin America
(UN)ECWA	(United Nations) Economic Commission for West Asia
(UN)ESCAP	(United Nations) Economic and Social Commission for Asia and the Pacific
UNESCO	United Nations Educational, Scientific and Cultural Organization
UNESOB	United Nations Economic and Social Office in Beirut (later ECWA)
UNFPA	United Nations Fund for Population Activities
USAID	United States Agency for International Development
WFS	World Fertility Survey
WHO	World Health Organization



INTERNATIONAL PARTICIPATION IN THE WFS PROGRAMME



Developing countries, by region (note: Guadeloupe and Martinique not shown)
 Developed countries

Countries are shown with area proportional to population
 The scale is ■ = 1 million people