

Population Reports

Annual Report

1988-1989

The services of the Population Information Program have long been a fundamental information resource for family planning professionals throughout the developing world. In the contract period from October 1, 1988, through September 30, 1989, the Population Information Program at The Johns Hopkins Center for Communication Programs (JHU/PIP) continued to produce these respected and relied-upon services, the journal **Population Reports** and the POPLINE computerized bibliographic database.

At the same time, JHU/PIP produced a variety of innovations that make these services more accessible—particularly the re-design of **Population Reports** and the development and distribution of the first copies of POPLINE CD-ROM. These and other innovations reflect the overall, long-term drive of JHU/PIP to reach new users and to serve current users more effectively

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by building on authoritative services of proven value.

Major accomplishments of the contract period include:

- Distribution of issues of **Population Reports** in English entitled:
IUDs—A New Look, B-5
Mothers' Lives Matter: Maternal Health in the Community, L-7
Lower-Dose Pills, A-7
AIDS Education—A Beginning, L-8 (in a preview edition and a complete edition)

Another issue is nearing publication, and three more are almost ready for expert review.

- **9 Population Reports** published and distributed in translation (3 French, 2 Spanish, and, through an agreement with the Sociedade Civil Bem-Estar no Brasil (BEMFAM), 4 Portuguese).
- An increase of 4.9 percent, to 137,397, in the number of **Population Reports** copies mailed. These copies are sent second-class to 89,806 addresses.
- Requests for one or more copies of **Population Reports** now average over 30 letters or forms per day, a 10 percent increase over FY 1988.
- Introduction of a new design for **Population Reports**.
- Introduction of slide sets based on **Population Reports** illustrations and graphics.
- Daily average of 30 requests answered and services provided by POPLINE staff, including 638 retrospective searches, 2,335 current awareness searches, and 2,178 copies of documents for developing country personnel.
- Growth of POPLINE from 161,847 to 170,012 entries, coordinated with three contributing universities: Princeton, North Carolina, and Columbia.
- Distribution of POPLINE on compact disc to 16 sites in 11 countries during the first three months available. More potential users are asking for POPLINE CD-ROM, and United Nations agencies and private foundations are providing new support for the system.
- Expenditures over the 12-month contract period from October 1, 1988, to September 30, 1989, of \$2,143,623, or approximately \$178,635 per month.
- Exhibitions at five major population and/or information service conferences; 289 visitors to JHU/PIP.

Attachments A-Y are available on request. Originals have been submitted to US AID.

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Population Reports

In fiscal year 1989 **Population Reports** continued to increase both its circulation and its coverage to serve the expanding family planning field. The coverage of recent issues of **Population Reports** reflects the growing recognition that family planning now has a solid foundation of experience that offers important lessons for improving family planning programs as well as for other areas of health care.

Population Reports in English

Four English-language issues of **Population Reports** were distributed in this contract period, and four others are in draft form.

IUDs—A New Look (Population Reports, Series B, No. 5), written by Katherine Treiman, M.P.H., and Laurie Liskin, Sc.M., re-examines the IUD, its benefits, its risks, and its role in family planning programs. The new generation of IUDs, especially the TCU-380A, offer even better effectiveness than previous IUDs. In practice these IUDs are more effective than oral contraceptives. Also, the new IUDs will last longer than earlier copper IUDs. Better definition of risks makes possible better screening and follow-up of clients and thus safer IUD use. For example, it is becoming clear that the risk of infection is limited to the first months of use unless a user is exposed to sexually transmitted disease. The report emphasizes the role of the provider in helping women use IUDs effectively and safely. This issue was completed at the end of FY 1988 and distributed at the start of FY 1989. (Attachment A)

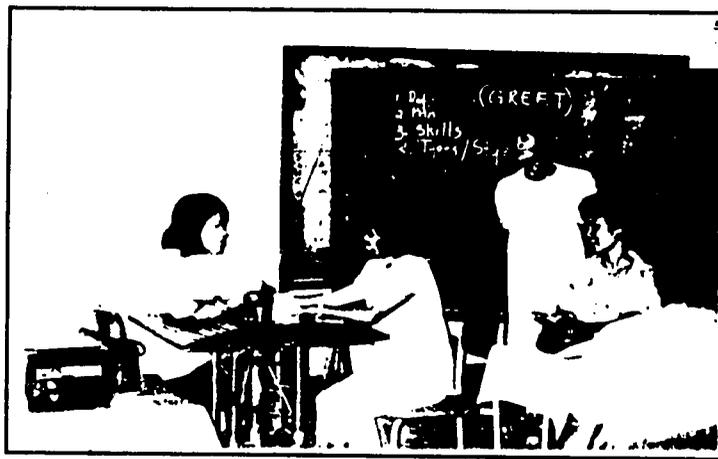
Mothers' Lives Matter: Maternal Health in the Community (Population Reports, Series L, No. 7), written by Cheryl Lettenmaier, R.N., M.P.H., Laurie Liskin, Sc.M., Cathleen A. Church, M.H.S., and John A. Harris, explores the reasons for maternal deaths and investigates how mothers' health can be improved at the community level. Almost half a million women die during pregnancy or childbirth each year. Many more suffer serious illness or chronic disability. The report concludes that better maternal health requires not just better delivery of care but also better care for girls and women throughout their lives, beginning with better nutrition in childhood, an end to female circumcision, better education for girls, later marriage, longer birth spacing, fewer children, and protection from sexually transmitted diseases. All these improvements must be instituted in the community. Also, the report investigates how communities are providing prenatal, delivery, and postdelivery preventive health care through screening and monitoring. Community care for better maternal health is still a developing field; in each aspect of the field the **Population Reports** issue highlights the important research questions. Boxes in the report provide practical information for community health care workers and their trainers—for example, the signs of serious obstetric complications and basic screening questions and monitoring procedures for pregnant women. Preparation of this report was supported partly by the US AID Office of Health. (Attachment B)

Lower-Dose Pills (Population Reports, Series A, No. 7), written by Chris Wharton and Richard Blackburn, M.S.,

reviews oral contraceptive research, distribution, and use, with a focus on low-dose pills—that is, containing less than 50 µg of estrogen. The issue features exclusive commercial sales data from 38 areas, including 19 developing areas. These data demonstrate the growing popularity of low-estrogen pills, which now account for over 70 percent of total sales. Also, almost 80 percent of the oral contraceptives supplied by donor agencies are now low-dose. Altogether, an estimated 63 million married women use OCs. Over the last several years research has more clearly confirmed the protective effect of oral contraceptives against endometrial and uterine cancer and has made clear that circulatory system disease risks are substantial only in older women who smoke. Other health questions remain unresolved: the report offers much-needed background—as well as a summary of results in an innovative tabular form—on the many conflicting studies on oral contraceptives and breast cancer. Overall, the risk to the typical developing-country OC user appears minimal. The report also examines the reasons that it is difficult to determine whether oral contraceptives play a role in cervical cancer. (Attachment C)

AIDS Education—A Beginning (Population Reports, Series L, No. 8) was prepared first in a preview edition for the Vth International Conference on AIDS in Montreal. Written by Laurie Liskin, Sc.M., Phyllis T. Piotrow, Ph.D., Cathleen A. Church, M.H.S., and John A. Harris, the 8-page Preview Edition reviewed national mass media programs for educating the general public about acquired immune deficiency syndrome (AIDS). Programs in Switzerland, Uganda, and Zaire were featured. The report also included a summary of lessons for AIDS education learned from family planning programs. AIDS prevention posters from around the world illustrated the report. The Preview Edition heralded publication of the full report and drew hundreds of advance requests from conference participants. (Attachment D)

The complete edition of **AIDS Education—A Beginning (Population Reports, Series L, No. 8)**, written by Laurie Liskin, Sc.M., Cathleen A. Church, M.H.S., Phyllis T. Piotrow, Ph.D., and John A. Harris, chronicles the beginnings of the worldwide efforts to tell people about AIDS and, through communication, to reinforce safe behavior and to change risky behavior. The full report highlights not only mass media programs for the general public but also programs for high-risk groups, and individual and group coun-



Population Reports are often used in training. Here, a class in the Philippines uses **Population Reports**, Counseling Guide (J-36). The instructor watches participants role-play greeting a client—the first step in the “GATHER” process of counseling described in the report.

selling. The report discusses how family planning programs are playing an important role in AIDS prevention and the lessons learned from family planning programs that can be applied to AIDS education. Throughout, the report stresses the importance of a careful design process, so that communication has the maximum intended impact, and of thorough evaluation, so that the lessons from one project can be applied to the next. The US AID Office of Health provided support for the AIDS issues. Also, the World Health Organization (WHO) Global Program on AIDS bought 10,000 copies of the English-language edition, which WHO will distribute in developing countries. (Attachment E)

Work in Progress

Johns Hopkins Population Information Program (JHU/PIP) staff are working on four issues of *Population Reports*, to be published in late 1989 or early 1990. These are:

Pharmacists and Family Planning (*Population Reports*, Series J, No. 37). This report investigates the role of pharmacists in family planning—as suppliers of contraceptives and as family planning advisors. The issue explores how pharmacists can be encouraged to participate in family planning. It reviews teaching and training programs and analyzes the role of advertising, marketing, and distribution

with regard to contraceptive sales in pharmacies. The issue is scheduled for publication by the end of 1989.

Counseling Guide to Oral Contraceptives (*Population Reports*, Series A, No. 8). A follow-up to the successful *Counseling Guide*, this issue is designed for front-line service providers. In simple and direct language, with colorful illustrations, it explains how to talk to clients about OCs, how to help them choose the best pill, how to give clear instructions, how to recognize warning signs, how to deal with rumors, how to help women who breastfeed and want to use the pill, and how to counsel the returning client. The issue will be published early in 1990.

Lights! Camera! Action! Television, Video, and Films for Family Planning (*Population Reports*, Series J, No. 38). The explosive growth of television in developing countries provides family planning programs with new ways to reach mass audiences. This report reviews how family planning programs can and are using the new visual media to broadcast their messages. Music video, TV spots, soap operas, films, and training videos are using entertainers to communicate the family planning message. The issue highlights “enter-educate” programs in the visual media from around the world. It also includes a briefly annotated catalogue of films available from The Johns Hopkins University Population Communication Services (JHU/PCS). The first draft of this issue is nearly complete.

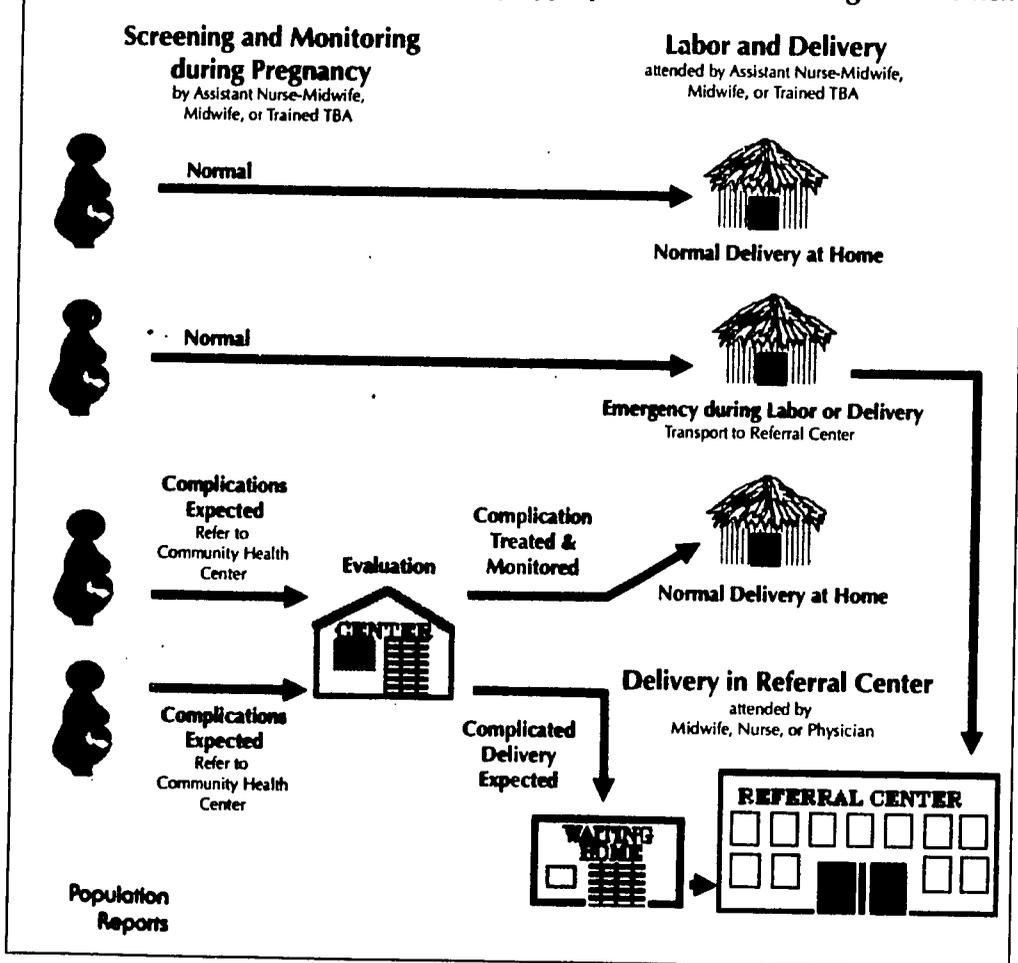
Condoms—Fertility Control, Disease Prevention (*Population Reports*, Series H, No. 8). This report looks at the burgeoning demand for condoms worldwide, following the spread of the AIDS epidemic. The report analyzes how family planning providers are promoting condoms, how they are meeting demand, and how the programs can overcome barriers to use. Future demand for condoms—and its implications for family planning programs—is explored. The report features an interview with Mechai Viravaidya, Thailand’s “Mr. Condom.” The first draft of this issue is nearly complete.

Translations

JHU/PIP published nine issues of *Population Reports* in translation in the past year (Attachments F-N). They are:

- *Counseling Makes a Difference* (J-35), in French, Portuguese, and Spanish;
- *Counseling Guide* (J-36), in French, Portuguese, and Spanish;
- *Mothers’ Lives Matter: Maternal Health in the Community* (L-7), in Portuguese; and
- *IUDs—A New Look* (B-5), in French and Portuguese.

Figure 3. The Referral System: Providing Appropriate Care for All Pregnant Women



Desktop publishing enables *Population Reports* to save typesetting costs, to reduce production time, and to generate imaginative graphics. This illustration from *Mothers’ Lives Matter* (L-7) was produced in-house using PC Paintbrush and Ventura Publisher software.

What Readers Say about *Population Reports*

"Allow me to express my admiration for your excellent work."
David Wilson, Lecturer, Psychology Department,
University of Zimbabwe

"This acknowledges the receipt of the recent 'Population Reports' issues and the JHMI News Release. The two issues ... are well composed and simple to understand. I must commend the staff for the production of such educative magazines.

"As broadcast journalist on LRCN Network Stations ELRZ, ELRG, and ELRV I am responsible for the production of family planning programs. Information from the *Population Reports* helps me a lot in the production of my family planning programs."
Sayklay S. Nyan, Liberian Rural Communications Network

[Copies of Population Reports, Lower-Dose Pills (A-7) were sent to selected reporters and population policy-makers along with a press release highlighting data on oral contraceptive sales in that country. Policy-makers were invited to make whatever changes in the press release that they saw fit and to release it to the press. The mailing elicited this response from Egypt:]

"Thank you very much for your letter regarding the newest issue of *Population Reports* on Oral Contraceptives. I think the press release about Egypt is very informative and does not need anything to be added. May I take this occasion to congratulate you about the great impact of the *Population Reports* of the knowledge and practice of family planning all over the world."

Maher Mahran, Secretary General,
The National Population Council, Cairo, Egypt

"I am a Public Health Nurse and a family planning provider in the Philippines who is interested to avail every copy of your *Population Reports* in order to update my knowledge of important issues in family planning. The counseling guide...greatly helped me and my co-workers the proper method of counseling our clients."

Teresita A. Dala, Public Health Nurse, Barongan,
Philippines

"I received with great joy and gratitude 20 copies of your *Population Reports* on the 30/3/89. In fact I don't know how to thank you. I also wish to express my special thanks to you for including a copy of your Counseling Guide. It proved to be very useful. * * * Your papers most especially the Counseling Guide helped in no small measure in my effort to help some people."

Alexander Bott, Nigerian Television Authority, Maiduguri,
Borno State, Nigeria

"I would like to order forty (40) copies of your *Population Reports...Men—New Focus for Family Planning Programs*. I have just come across a copy, and find it very useful for our programs at this time, especially since we are at this present time, conducting several workshops for Men and Family Planning."

Tirbanl P. Jagdeo, Chief Executive Officer,
Caribbean Family Planning Affiliation, Antigua

"I am a gynaecologist & obstetrician working in a leading hospital in New Delhi, India and I am a regular reader of the *Population Reports*. The coverage of each topic & the

presentation is excellent. I wish to ensure future personal copies too for quick reference."

Rama Lakshmi, New Delhi, India

[WHO ordered 10,000 copies of Population Reports, AIDS Education—A Beginning (L-8) before publication.]

"We recently received the 10,000 copies of AIDS Education issue of *Population Reports*. Congratulations on a fine and attractive issue."

Janet Hayman, Health Promotion Resource Center,
Global Program on AIDS, World Health Organization

"I am really enjoying your reports. As a health teacher I use it to teach my students and also as a family planner I use it for my clients and also as a client it is very helpful to me."

Mrs. F.A. Labeodan, Oyo State, Nigeria

"I am already on your mailing list, and for years those Reports are proving extremely useful to me in my job as a medical teacher."

U.K. Bhadra, Calcutta, India

"Thank you for your memorandum of January 25, 1989 and the latest issue of *Population Reports* on maternal health. Please congratulate Cheryl Lettenmaier and her colleagues for producing this valuable document. We will order multiple copies for distribution to some of our collaborators as well as for informing those who need an up-to-date succinct statement of the problem of maternal mortality and morbidity."

Adetokunbo O. Lucas, Carnegie Corporation of New York

"Your guide to counselling December, 1987 is very educative and explanatory.... We are using the guide effectively as it explains things better and it answered so many baffling questions."

Mrs. C.O. Akpamgbo, Family Planning Clinic,
Medical Center, University of Nigeria, Enugu Campus

"*Population Reports* is one of the magazines which imparts information on population and keeps [me] in touch with the important developments occurring in the population field. I try to read every copy whenever I get a chance."

Dr. V.P. Pathak, Programme Officer, All-India Radio,
Pune, India

"I appreciate your sending along the recent *Population Reports* on AIDS Education. If you could please send us 75 more copies, I will distribute them among our key staff so that they will have the latest information available. We always learn from your intensive work."

Willard Cates, Jr., Director, Division of STD/HIV
Prevention, US Centers for Disease Control

"We have been regularly getting [*Population Reports*] for the College Library. The said report has been found quite useful for the students and staff engaged in population education work."

G.N. Vyas, Librarian, Regional College of Education,
Bhopal, India

"I am interested to receive 200 copies of your new *Population Reports* on AIDS. We are a teaching institution for people going to work in developing countries and [at] the same time we are running a database on AIDS for developing countries."

Preben Bendtsen, AIDS consultant for SIDA,
International Child Health Unit, Uppsala University

What Readers Say About the Translations

"Je saisis cette occasion pour vous remercier infiniment de la régularité de votre envoi du **Population Reports** et dont j'apprecie la qualité de ces articles et la pertinence des sujets. Certains d'entre eux m'ont servi à l'étude sur l'approche systémique de la planification familiale en Tunisie, étude qui a été publiée dans la Revue "Système" de l'Université de LYON II (FRANCE) ainsi que dans des conférences en Tunisie ou en France."

Mzoughi Hedl, Secretary General of the Tunisian Association of Resident Medical Students

"Agradezco la gentileza de enviarnos la documentación solicitada. Proximamente me estaré comunicando con ustedes ya que tenemos interés de presentarles algunas ideas de proyectos a ejecutar en Costa Rica y nos gustaría contar con su valiosa experiencia."

Janet Carrillo M., Technical Secretary, Office of Population, Ministry of National Planning and Economic Policy, Costa Rica

"Hace ocho días andube comprando en el mercado central de San Salvador y una de las mercaderías me la entregaron envuelta en una hoja de papel la cual contenía la lectura de unos párrafos. Curiosamente la leí y despertó mi interés pues se trataba de parte de un artículo sobre planificación familiar. Inicé la búsqueda de la procedencia de esa información y así llegué a la Asociación Demográfica Salvadoreña en donde al analizar el contenido de la hoja, llegaron a la conclusión que Uds., son los responsables de esa publicación. Permítanme solicitar todos los artículos científicos actuales pues será un potente auxiliar que me ayudará a orientar a mis alumnos así como los padres de familia que en la mayoría son agricultores analfabetos."

Sabas Clavel Fuentes, Rural school teacher, Chalatenango, El Salvador

"Me he atrevido a escribirles porque he sabido que Uds., como cultores y preocupantes de los países subdesarrollados que como el mío, tienen poco acceso a los adelantos en las diversas áreas científicas y que por ello, han desarrollado un programa de información popular a través del cual se preocupan de ayudar y enviar información gratuita, sobre diferentes temas del interés de profesionales que como yo, se encuentran instalados en ciudades lejanas a la capital, donde el acceso a nuevos trabajos científicos, a nuevos descubrimientos en medicina es prácticamente imposible... Para mí Uds. son un tesoro, y quisiera poder obtener de Uds. esa cultura, esos conocimientos a los que hoy no tengo acceso."

Teresa Delgado C., Sports health specialist, Iquique, Chile

...About the Counseling Issues

Concerning the mnemonic translation of "GATHER" in the French edition of the Counseling Guide: "Le mot BERGER est une travaille géniale—c'est un mot formidable facile a retenir et surtout il me permet de trouver facilement les 6 règles fondamentales pour l'entretien avec les clients."

Lamartine Zina Amazón, Casablanca, Morocco

"La Serie J-35 y J-36 es muy interesante y la metodología empleada nos ha facilitado mucho el hacer reuniones en pequeños grupos de discusión con mis alumnos. Ellos se han sentido seguros y con el adecuado desempeño para

poder realizarlo en los diferentes establecimientos de Salud Urbano Marginales de esta localidad. Solamente tengo un pequeño problema: en vista de que solamente tengo un ejemplar y este ha ido rotando de grupo en grupo, el ejemplar ha quedado sumamente desgastado."

Carlos Alberto Tello, Chief, National University of Cajamarca, Department of Health Sciences, Peru

"Estimamos que los ejemplares J-35 y 36 han sido de un incalculable valor para orientar nuestros programas de asesoría. El material nos ayudará a diseñar de mejor forma un taller que involucre más al joven en la orientación a los usuarios que requieren dicha información."

Rubén Bustamante Molina, Adviser, Auxiliary Center for Educational Services, National Ministry of Education, Armenia-Quindío, Colombia

"The Spanish edition of *AIDS—A Public Health Crisis* was distributed at the recent teleconference. As a result, we have received a request from the National AIDS Commission for an additional 8,000 copies that will be distributed at upcoming medical congresses during the year."

Jayne Lyons, OHRD, USAID, Guatemala

[In answer to this request, camera-ready copy and art were sent to Guatemala so that the needed copies could be printed there.]

"Somos un matrimonio formado por una médica obstetra que trabaja en la medicina privada y un médico pediatra que tiene un cargo en la salud pública. Consideramos el ejemplar *La importancia de la orientación individual* y su *Gula anexa* de una utilidad extraordinaria para la comprensión popular. Esta muy bien diagramado. Además la metodología que sugieren para comunicarse con las personas es muy humana, cordial y respetuosa."

Dra. Nora de Cecchini and Dr. Raul Cecchini, Villa María, Argentina

[The following institutions are planning to use the Counseling Guide as basic curricula for workshops to be held in Guatemala and at two sites in Colombia:]

"Considero que el material de la serie J-36 se adecúa perfectamente a nivel universitario, promotores en salud, trabajadores sociales y personal paramédico. Aprovecho la presente para agradecerles se nos haga llegar 50 ejemplares que serán utilizados como material de base para capacitar a farmacéuticos, promotores en salud y comadronas tradicionales del altiplano (sector indígena) de nuestro país."

Lic. José Luis Aldana, Manager of IPROFASA (Importers of Pharmaceutical Products), Guatemala City, Guatemala

"Solicitamos el envío de 100 ejemplares de la Serie J-36 para ser distribuidos en todos los centros de salud y hospitales del Departamento del Atlántico. De ser aprobada esta petición, podríamos realizar en terreno una evaluación de esta guía en el Departamento con la finalidad de evaluar en la comunidad el contenido, la forma y las gráficas de acuerdo a las características de esta población."

Nancy San Juan R., Chief, Maternal Care Section Health Services for the Department of the Atlantic, Caracas, Venezuela

The 1988 JHU/PIP agreement with the Sociedade Civil Bem-Estar Familiar no Brasil (BEMFAM), which gives BEMFAM responsibility for translation and production of **Population Reports** in Portuguese has been extended into 1990.

BEMFAM has now produced four Portuguese translations of **Population Reports**: both issues on family planning counseling (J-35 and J-36), *IUDs—A New Look* (B-5), and *Mothers' Lives Matter* (L-7). The work has been done promptly, and production quality now is comparable to that of issues published earlier by JHU/PIP directly.

Like the English-language editions, the foreign-language editions of the counseling issues have proved popular among long-standing subscribers and are attracting new readers. Many are requesting shipments of J-35 and J-36 in large quantities. For example, at the request of the International Planned Parenthood Federation/Western Hemisphere Region, PIP recently mailed to affiliates in Latin America a total of 4,458 copies of *La Importancia de la Orientación* (J-35) and 4,881 copies of the *Guía de Orientación* (J-36).

Translation Services

The foreign-language editions of **Population Reports** continue to be translated by an experienced team of French and Spanish translators in the Washington area. The expertise of these professionals is well known among such organizations as the Pan American Health Organization, the Organization of American States, the International Monetary Fund, the International Development Bank, the World Bank, and the National Library of Medicine. To assure quality control of the terminology and fluidity of the language, another set of language consultants is engaged to review the translations. In addition, physicians, one in France and the other in Mexico, review the translations to check the accuracy of medical terms. All JHU/PIP staff and independent contractors involved in translation are highly qualified native speakers. For example, work on the Spanish translations involves language and family planning experts from Argentina, Colombia, Guatemala, Mexico, and Spain.

New

Redesign for Population Reports

Population Reports launched its new design with *Lower-Dose Pills* (A-7), becoming a more readable, more attractive, and more modern-looking publication. New use of headlines, screens, graphics, and particularly a transformed front page help to streamline the publication while preserving its established aura of authority and accuracy. This annual report illustrates the new design.

The redesign was carried out by **Population Reports** graphic artist/designer Linda D. Sadler and **Population Reports** Editor Ward Rinehart. It takes advantage of desktop publishing software already in use by JHU/PIP, which provides the flexibility to produce sophisticated graphics effects at little or no added expense. The new layout enhances the readability of the publication without sacrificing content or coverage. For example, reorganizing white space on the page has made it

possible to increase the size of the body type and photos, thus improving the appearance and interest of each page without decreasing the number of words on the page.

Slides from Population Reports

New

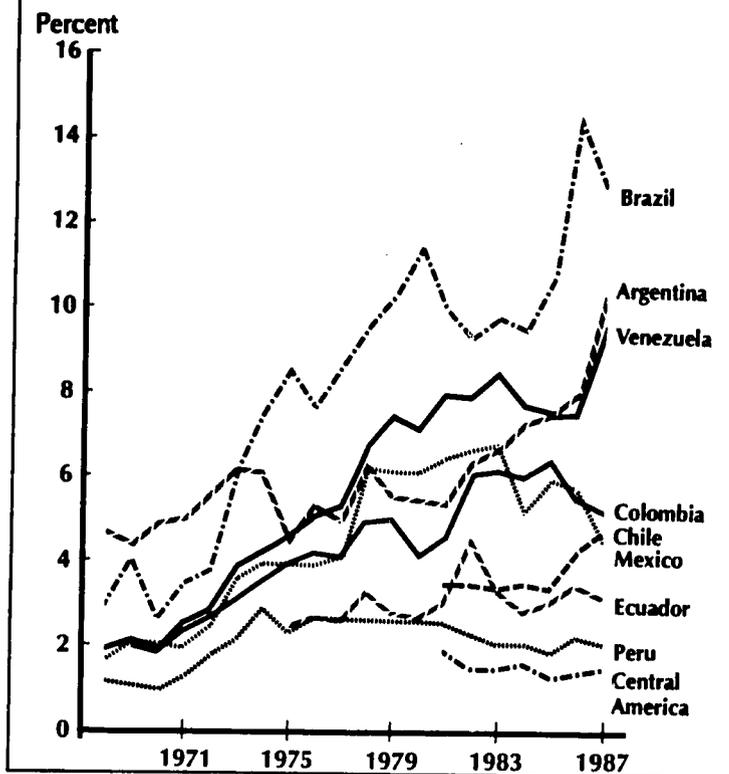
With *Mothers' Lives Matter* (L-7), JHU/PIP began distributing slides of selected graphs, maps, tables, and photographs from **Population Reports**. The slides are intended to encourage and enhance the already widespread use of **Population Reports** in both in-school and in-service training as well as independently in lectures and presentations. (Attachment O)

Distribution of the slides has been limited to date in order to restrict cost. Reviewers and others who help with preparation of an issue are sent slide sets. Sets also are sent to prominent persons along with **Population Reports** issues to introduce them to Population Information Program services. Still others are presented to distinguished LDC visitors to The Johns Hopkins University Center for Communication Programs. The availability of the slides has not been generally announced or promoted.



By redesigning white space on a page, the new **Population Reports** layout permits larger photographs without reducing the amount of text. This photo of family planning workers in Bangladesh screening potential pill users appeared in *Lower-Dose Pills* (A-7).

Figure 4. Estimated Percentage of Women Age 15-44 Buying OCs from Pharmacies, Latin America, 1968-1987



Exclusive data on sales of oral contraceptives in 38 areas were used to generate graphs in the *Population Reports* issue Lower-Dose Pills.

Initial reaction to the slides has been positive. Several recipients have noted, however, that the data-laden print graphics and tables often do not translate well directly into slides intended for quick presentation. If demand for slide sets proves sufficient, it may be worthwhile to devote resources to modifying the graphics for slide presentation.

Bulk Orders for New Issues

One important measure of the impact of *Population Reports* is the numbers of extra copies requested. Letters and telexes requesting extra copies indicate that they are used in training sessions for family planning providers; for distribution to service posts operated by ministries of health, family planning associations, and other private health care organizations; to provide data to policy-makers for speeches and reports; and for distribution to staff and students in hospitals and universities. Over the last 12 months bulk orders in all languages for new issues totaled:

Healthier Mothers and Children Through Family Planning (J-27)	4,830
After Contraception: Dispelling Rumors About Later Childbearing (J-28)	3,560
AIDS: A Public Health Crisis (L-6)	4,160
Counseling Makes A Difference (J-35)	14,801
Counseling Guide (J-36)	25,391
IUDs—A New Look (B-5)	7,830
Mothers' Lives Matter (L-7)	6,165

These numbers are minimums; requests for less than 50 copies and requests for multiple copies of many different reports are not included. In addition, about 130,000 copies of each issue are distributed by second-class mail at the time of publication (see p. 9).

Continuing Demand Prompts Reprints

Another measure of demand for *Population Reports* is the need to reprint issues. In this contract period the following *Population Reports* issues were reprinted:

IUDs—A New Look (B-5)	10,000
Healthier Mothers and Children Through Family Planning (J-27)	12,000
After Contraception: Dispelling Rumors About Later Childbearing (J-28)	8,000
Counseling Makes a Difference (J-35)	English 10,000
.....	Spanish 10,000
Counseling Guide (J-36)	English 10,000
.....	Spanish 10,000

Editorial Staff

There were three changes in the editorial staff in the past year. Stephen Goldstein has joined *Population Reports* in the new position of Associate Editor. Pollyanna T. Schroeder has replaced Anne Doueihy as Editor of Foreign-Language Editions, and John A. Harris has left the position of Research Assistant, a position that remained open at the close of the contract period.

Stephen M. Goldstein joined the staff of *Population Reports* in September 1989 as Associate Editor. He has previously served as Director of Publications for the Population Reference Bureau, as Managing Editor of *Development International* magazine, and as Editor of *AID Resources Report*. He also has reported on Israel for the Associated Press.

Pollyanna T. Schroeder took over the position of Editor of Foreign-Language Editions in August 1989. In addition to long-term experience as a Spanish translator and translations editor for textbooks both on a freelance basis and with various organizations, she has served the government of her native country as Attaché of the Guatemala Permanent Mission to the United Nations. She also has been cultural Affairs Specialist for the Organization of American States in Washington, D.C. She is currently a doctoral candidate in the Latin American studies program at the Catholic University of America.

In addition to these changes, Laurie Liskin, senior *Population Reports* writer, has shifted to working two-thirds time for *Population Reports* and one-third on AIDSCOM and other AIDS activities of The Johns Hopkins Center for Communication Programs.

Joseph H. Maier, Editor of Foreign-Language Editions of *Population Reports* from 1980 to 1986, died July 26, 1989, at the age of 39, from complications of AIDS. Among his many achievements at JHU/PIP, he helped prepare *Population Reports*, *AIDS—A Public Health Crisis* (L-6). After his illness forced him to resign from JHU/PIP, he devoted himself to advocacy on behalf of persons with AIDS. He served on the Advisory Board to SHARE (Study to Help the AIDS Research Effort), the Johns Hopkins component of the Multicenter AIDS Comparative Study. He was a consultant to

the Maryland Governor's Task Force on AIDS. He addressed numerous professional and lay groups throughout the area, testified before federal agencies, and appeared in numerous televised discussions and interviews. *AIDS Education—A Beginning* was dedicated to him.

Subcontracting

Population Reports is produced and distributed with the help of several subcontractors:

Typesetting. Foreign-language editions of **Population Reports** are typeset by Mid-Atlantic Photo Composition of Baltimore. (English-language editions are typeset in-house using Ventura Publisher desktop publishing software.)

Printing. John D. Lucas Printing Company of Baltimore prints **Population Reports**. With the approval of JHU/PIP, John D. Lucas subcontracts with National Fulfillment, Inc., of Ridgely, Maryland, for storage of back issues.

Mail handling. Arundel Mailing of Baltimore stuffs envelopes, labels, sorts, bags, and delivers **Population Reports** to the post office.

All of these subcontractors were selected on the basis of competitive bids. JHU/PIP has been able to negotiate contract renewals at no cost increase with Mid-Atlantic Photo Composition and Arundel Mailing. John D. Lucas Printing Company, however, was unable to hold their prices, and competitive bids have been sought and received on printing for the coming year.

Distribution

JHU/PIP serves as the center of a massive, worldwide distribution system for population/family planning information. In FY 1989 JHU/PIP mailed more than half a million copies of **Population Reports** in five languages and responded to about 16,000 specific requests for publications, searches, or other material. The ever-growing number of inquiries and requests for materials reflects the recognition in developing countries that JHU/PIP is a uniquely reliable, responsive, and relevant source of information on all aspects of family planning research and programming.

Population Reports Distribution

Distribution of **Population Reports** takes place in the first instance by direct second-class mailing to an international mailing list. During the 12-month period from October 1, 1988, to September 30, 1989, the number of addresses on the **Population Reports** mailing list decreased by 4,014 addresses, or 4.2 percent, but the number of copies mailed second-class increased by 4.9 percent. This decrease was the result of purging the list to eliminate the names and addresses of persons who did not respond to verification letters (see below).

	September 1988	September 1989
Names on mailing list	93,820	89,806
Copies mailed 2nd-class.....	130,882	137,397

Population Information Program Editorial Advisory Committee

The Population Information Program Editorial Advisory Committee meets periodically to review, propose, and prioritize topics for **Population Reports**. Also, each committee member is invited to review the manuscripts of all issues of **Population Reports**. Members of the Editorial Advisory Committee are:

Wendy Baldwin, Ph.D.

Chief, Demographic & Behavioral Science Branch,
Center for Population Research
National Institute for Child Health
and Human Development

Jane Bertrand, Ph.D.

Associate Professor,
Tulane School of Public Health and Tropical Medicine

Larry L. Ewing, Ph.D.

Professor, Population Dynamics
Johns Hopkins School of Hygiene and Public Health

Henry Gabelnick, M.D.

Director of Extramural Programs, The CONRAD Project
Eastern Virginia Medical School

Ronald H. Gray, B.Sc., M.B.

Professor, Population Dynamics
Johns Hopkins School of Hygiene and Public Health

Robert A. Hatcher, M.D., M.P.H.

Professor of Obstetrics and Gynecology
Emory University School of Medicine
Director, Emory/Grady Family Planning Program

Theodore M. King, M.D., Ph.D.

President, Homewood Hospital Center
Johns Hopkins Medical Institutions

James McCarthy, Ph.D.

Director, Center for Population and Family Health
Columbia University

W. Henry Mosley, M.D., M.P.H.

Professor and Chairman, Population Dynamics
Johns Hopkins School of Hygiene and Public Health

Dorothy Nortman, M.S.

Consultant, New York City

Malcolm Potts, M.B., B.Chir., Ph.D.

President, Family Health International

Judith P. Rooks, R.N., M.P.H.

Consultant, Portland, Oregon

J. Joseph Speidel, M.D.

President, Population Crisis Committee

Edward E. Wailach, M.D.

Professor and Director, Obstetrics & Gynecology
Johns Hopkins School of Medicine

Charles Westoff, Ph.D.

Director, Office of Population Research
Princeton University

International Mailing List

On the mailing list as of September 30, 1989, recipients of **Population Reports** in the various languages numbered as follows: (Attachment P)

	Number of Addresses	Number of Copies
Arabic.....	3,793	5,341
English.....	47,335	70,388
French.....	4,949	9,790
Portuguese.....	11,281	13,369
Spanish.....	22,448	38,509
Total	89,806	137,397

LDC addresses comprise 84.1 percent of the total.

Addition of new names to the **Population Reports** mailing list reflects largely word-of-mouth promotion by recipients. Because of financial constraints PIP is required to keep the list below 100,000 names. Thus the only names routinely added are those of persons attending workshops run by other Cooperating Agencies. Other names are added only by specific request or to meet designated priorities (such as nursing schools in French-speaking Africa).

Continuous efforts are made to ensure that appropriate audiences are being reached and that the names and addresses on the mailing list are correct. One method used to update the list is verification letters. Those not responding to a first letter are sent a second letter. Those not responding to the second letter are removed from the mailing list. During FY 1989 letters were sent to three groups: (1) 14,944 persons or addresses that had remained on the list unchanged since 1981, (2) all 8,098 persons on the mailing list for the French-language edition, and (3) 1,162 persons receiving copies in a language unusual for the country (e.g., French in Brazil).

An extraordinarily high number of persons on the list since 1981 responded—10,567, or 71 percent. This shows how much readers at stable institutions value **Population Reports**.

Population Reports on the Philippine Senate Floor

During a recent Senate debate on the national budget, one Filipino Senator known for his anti-family planning bias took the opportunity of debate on the Department of Health's annual budget to once again criticize family planning. He specifically accused the DOH of being pro-abortion because one of the program-approved methods, the IUD, is an abortifacient, according to the Senator's sources. Pro- and anti-family planning Senators promptly got into a full-blown argument until the Committee chairperson insisted that the DOH's Chief of Family Planning Services Division come before the Committee and present the facts about the IUD. The physician from the DOH came to the Committee room and said, "I am very sorry, Senator, but you are mistaken. The IUD is not an abortifacient." As her source for the facts, she pulled out of her bag **Population Reports**. This ended the debate.

The initial response to the French mailing has been lower—approximately 47 percent so far—but replies are still being received and tabulated. The total rate when all responses now in-house are tabulated may also be close to 70 percent.

In the third group 1,162 initial verification letters were sent to people whose records indicate unusual languages, but responses are not yet complete.

The total number of addresses added, corrected, or deleted during this period is 25.5 percent of all addresses. A total of 18,185 additions and 23,701 deletions and/or address changes were made. (Attachment Q)

The continuing growth in the number of copies distributed reflects the strong interest of developing-country personnel in receiving **Population Reports** regularly. Use of **Population Reports** is expanding for group activities such as training and as background for meetings, conferences, and presentations. The growth also suggests the increasing desire of local institutions to distribute **Population Reports** to their own centers and staff.

A further measure of the value and effectiveness of **Population Reports** is the number of extra copies requested (see box, p. 11). In FY 1989, 7,759 requests were received for a total of 161,847 copies either in bulk or individually, in addition to those regularly mailed. Each month an average of 647 letters or forms are received asking for **Population Reports**—about 30 each working day. This is a 10 percent increase over the average number of requests per month for the previous contract period.

Mailing List Activities

JHU/PIP filled 13 requests for mailing labels in the contract period. Requests from Cooperating Agencies are usually filled free of charge. Other organizations are usually charged \$.03 per label. During the contract period revenue totaling \$2,930.03 was received from these sales of labels. (Attachment R)

Distribution is supervised by the Administrative Coordinator, Ann Simmons. The distribution staff consists of one person to operate the computer terminal for additions, deletions, and changes to the mailing list, and two mail clerks, whose time is shared with JHU/PCS.

Conferences, Meetings, and Exhibits

Exhibits at national and international conferences in the US and abroad provide a good opportunity for JHU/PIP to show new products, services, and publications. Individuals from developing countries, as well as students and people new to the population and family planning field, find the JHU/PIP exhibit booth a unique source of population, family planning, and reproductive health information.

During this contract period, JHU/PIP exhibited at the following conferences:

- American Public Health Association (APHA), Boston
- Population Association of America (PAA), Baltimore
- National Online Conference, New York
- National Council for International Health (NCIH), Crystal City, Virginia
- International Union for the Scientific Study of Population (IUSSP), New Delhi.

Also during this contract period, JHU/PIP staff attended the following meetings to deliver papers:

- American Public Health Association (APHA), Boston: Phyllis Piotrow delivered a paper on oral contraceptives sales, based on data that later appeared in **Population Reports, Lower-Dose Pills (A-7)**. Laurie Liskin chaired a session on new contraceptive developments.
- AIDSCOM/AIDSTECH Technical Advisory Group meeting, Washington, D.C.: Phyllis Piotrow made a presentation on "Lessons Learned from Family Planning." Similar material appears in **Population Reports, AIDS Education—A Beginning (L-8)**. Laurie Liskin delivered a presentation on "Lessons Learned About Condom Promotion from Family Planning Programs."
- WHO Working Group on Measuring Maternal Morbidity, Geneva: Laurie Liskin made an invited presentation based on **Population Reports, Mothers' Lives Matter: Maternal Health in the Community (L-7)** and from her earlier paper for the Ford Foundation, "The Prevalence of Maternal Morbidity in Developing Countries."
- V International Conference on AIDS, Montreal: Phyllis Piotrow gave a presentation on "Lessons Learned from Family Planning Programs."

POPLINE

FY 1989 saw POPLINE use in LDCs greatly expanded and made easier. At the same time, POPLINE, already the most comprehensive computerized bibliographic database on population, expanded from 161,847 to 170,012 records to help meet the information needs of policy-makers, program planners, and researchers worldwide.

JHU/PIP POPLINE staff and subcontractors responded to an average of 30 requests per day. Some 638 retrospective searches, 2,335 current awareness searches, and 2,178 copies of documents were processed in response to requests from developing countries, international development organizations, and JHU/PIP and PCS staff.

Other agencies and organizations—both domestic and foreign—took advantage of POPLINE's coverage of demography, fertility, family planning, contraceptive research, and AIDS in developing countries. Online, POPLINE was searched an average of three hours every working day. Some 1,912 unique users (not including JHU/PIP and its subcontractors) searched POPLINE online through the US National Library of Medicine MEDLARS system, for a total of 860 connect hours. US AID Cooperating Agencies are increasingly searching POPLINE. Cooperating Agencies now account for 24 percent of billed POPLINE use, an increase of 15 percent over the previous year.

JHU/PIP has developed a one-page guide, *POPLINE Newslines*, to provide online POPLINE users with search tips, database announcements, and information about new keyword additions. *POPLINE Newslines* was first prepared in January 1989. Three issues have now been distributed. The guide is sent to 224 POPLINE users, primarily those who have attended formal POPLINE training courses. After one announcement of availability, over 200 requests to be put on the distribution list were received. (Attachment S)

Requests for *Population Reports*

Special requests for **Population Reports** in quantities of 100 or more were received from the following developing countries:

Bolivia	1,720
Botswana.....	800
Brazil.....	4,134
Burkina Faso.....	882
Chile.....	400
Colombia.....	400
Costa Rica.....	4,000
Côte d'Ivoire	200
Dominican Republic.....	400
Ecuador.....	250
Egypt.....	3,315
Ghana.....	14,335
Guatemala	89
Honduras	200
India	754
Jordan	155
Kenya	1,741
Malaysia.....	180
Mexico.....	2,218
Nigeria.....	1,947
Pakistan	900
Papua New Guinea	100
Paraguay.....	440
Peru	3,417
Philippines.....	650
Senegal	475
Tanzania	400
Thailand	200
Togo.....	800
Trinidad/Tobago.....	120
Uganda.....	140
Uruguay	100
Venezuela	400
Zaire.....	5,930
Zambia.....	210
Zimbabwe.....	200

A total of 4,466 copies were provided directly to US AID and State Department personnel, and 43,397 to organizations in the US working with US AID.

Improvements and Enhancements

An automated indexing program was introduced in September 1989. Automatic redundant indexing (ARI) allows POPLINE indexers to focus on the most specific concepts in a document; additional, broader terms for more general searching are later added by the ARI program. ARI has improved retrieval accuracy by ensuring consistent indexing under the complete range of keywords from the most specific to the broadest entries.

The ongoing project to correct erroneous data and to add supplemental information to POPLINE records resulted in:

- 9,282 fields corrected for data not falling within established parameters;
- 1,694 duplicate records merged and/or deleted;

What Users Say About POPLINE

"... all the literature that it provides is very useful to us."

Ricardo Rosal, APROFAM,
Guatemala

"The services we have been receiving from your information centre have been extremely useful to the undertaking of innovative research at the Centre and have been largely contributing in meeting the information need of our population researchers."

M. Shamsul Islam Khan
Head, Diarrhoeal Diseases
Information Services Center
Dhaka, Bangladesh

"Researchers and students from all over the country use our library and...benefit from POPLINE."

Prof. Bhassorn Limanonda
Director, Institute of Population Studies,
Bangkok, Thailand

"POPLINE enables our information service to be more comprehensive and useful."

Dr. Joedo Prihartono, Director
Indonesian Epidemiology Network
Depok, Indonesia

"Thanks immensely for your kindness and conscientious efforts you put in to make the world a better place for man. I am a social news-writer, and counsellor hence your POPLINE means an invaluable treasure to me."

Chimezie A. Chimezie,
NIPOST Area Headquarters
Imo State, Nigeria

- 1,618 secondary source identifiers and general notes expansions added;
- 372 words edited for misspellings and incorrect data; and
- 85 keywords corrected.

Vigorous preprocessing checking procedures, verification programs, and annual edit routines continue to improve data accuracy and ensure standard format.

Training and Technical Assistance

JHU/PIP continued its successful training program for online POPLINE users this year. The trainees are primarily students from developing countries and Cooperating Agencies staff.

Africa Needs Abstracts

"Many libraries and documentation centres in our region can afford only a few journal subscriptions, and access to photocopies is often difficult. Thus, receiving the results of computer searches can result in great frustration for our users unless abstracts are provided."

A. Ikama-Obambi
Regional Office for Africa
World Health Organization

With original descriptive abstracts, enhanced author abstracts, and full text of letters for virtually all 170,000 records, POPLINE continues to meet developing-country information needs.

Special group training sessions were conducted at the Harvard Population Center in Cambridge and the Population Association of America annual meeting in Baltimore.

The Association for Population/Family Planning Libraries and Information Centers – International requested a group training session for its members in April 1989 and suggested that JHU/PIP hold a POPLINE Users' Group meeting at its conference each year.

JHU/PIP POPLINE subcontractors have also been active in training POPLINE users:

- The Center for Population and Family Health (CPFH) at Columbia University trained the medical librarian at the University of Dar es Salaam, Tanzania, in POPLINE searching, indexing, and abstracting.
- CPFH provided 41 sample POPLINE searches to participants of the Workshop in Management and Training for Community-Based Primary Health Care and Family Planning in Africa at the Institute of Tropical Research in Ibadan, Nigeria.

Coordination

Revising POPLINE indexing standards to meet LDC users' needs better was the focus of the October 21, 1988, meeting of the POPLINE Coordinating Committee. Representatives from JHU/PIP, CPFH, *Population Index* at Princeton University, and the Carolina Population Center (CPC) at the University of North Carolina met in Baltimore for the annual session. Methods for automating portions of the indexing process were discussed and agreed on. As noted, automated indexing helps to standardize styles among the POPLINE collaborators.

In addition to inputting 5,042 POPLINE records, JHU/PIP coordinated the input of 4,921 records from the three POPLINE subcontractors. As of September 1989 POPLINE consisted of 170,012 records. Retrospective and current input by the POPLINE contributors is shown below:

Contributor	Total Records		No. Entered 10/88-9/89
	No.	%	
Population Information Program. Center for Population and Family Health	101,585	60	5,042
Population Index	20,458	12	1,062
Carolina Population Center.....	36,926	22	2,379
	11,043	6	1,480

POPLINE CD-ROM

Developing countries and international development agencies are greeting POPLINE CD-ROM enthusiastically. JHU/PIP is receiving increasing numbers of requests for the system, inquiries from other database producers interested in distributing their product to developing countries, and questions from donor agencies. The first POPLINE CD-ROM systems are now going out; by the end of the contract period 16 systems had been distributed.

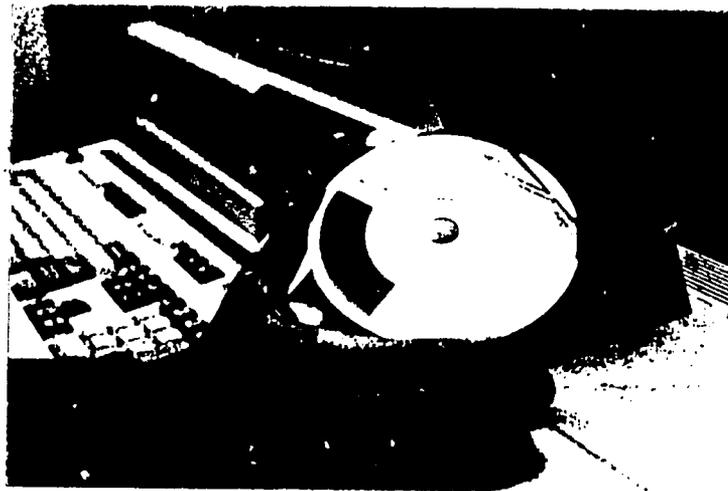
CD-ROM (compact disc—read-only memory) provides simple and inexpensive access to a great amount of data by means of production techniques developed by the music industry for the audio compact disc. The entire POPLINE

database of over 170,000 indexed and abstracted records can be stored on a single disc. A personal computer with a CD-ROM drive can provide POPLINE access immediately anywhere in the world, with no need for expensive and sometimes unreliable long-distance telecommunications. The CD-ROM drive, which reads the disc with a laser, now costs about \$700. Prices can be expected to fall as the first personal computers are marketed with self-contained CD-ROM readers, an event expected in 1990.

Under a grant from the United Nations Population Fund (UNFPA), JHU/PIP developed the prototype POPLINE CD-ROM disc in November 1988 and produced updated discs in April and July 1989. Another update is scheduled for October 1989. Beginning in 1990 the disc will be updated semiannually, and usage will be monitored and evaluated.

Sixteen systems were distributed to Chile, Colombia, India, Indonesia, Jordan, Kenya, Nepal, Peru, Thailand, Tunisia, and Zimbabwe between July and September 1989. JHU/PIP has contacted 171 developing-country offices to query them about their interest in POPLINE CD-ROM. To date 63 have requested the system. Applications are reviewed to ensure that the site has appropriate equipment, and, if a CD-ROM drive is needed, attempts are made to find an appropriate agency to supply the drive. Response has been excellent:

- Family Health International (FHI) has funded drives for several organizations and plans to place 10 by early 1990.
- The Johns Hopkins Program for International Education in Gynecology and Obstetrics (JHPIEGO) is considering placing CD-ROM systems in its training centers in Egypt, Kenya, the Philippines, and Thailand.
- The International Union for the Scientific Study of Population (IUSSP) is exploring the possibility of supporting drives for 35 sites as part of its library support program.
- The Pan American Health Organization (PAHO) has funded 120 CD-ROM drives in Latin America and the Caribbean for its LILACS database. JHU/PIP is sending inquiries about interest in POPLINE to these sites.



The entire POPLINE database of over 170,000 indexed and abstracted records can be inexpensively stored on a single CD-ROM disc. The new technology is being hailed as a breakthrough in information dissemination throughout the developing world.

POPLINE CD-ROM is not only an information and research tool but also an opportunity to help developing-country organizations manage scarce local resources. For instance, at a seminar on POPLINE CD-ROM at the National Informatics Center in New Delhi, India, there was interest in developing procedures to ensure more comprehensive coverage of Indian material in POPLINE. The National Institute for Health and Family Welfare volunteered to be the conduit for the documents from various Indian organizations to JHU/PIP. Also, by using microcomputer-based bibliographic data management software such as Micro CD/S ISIS, a site can combine records downloaded from POPLINE CD-ROM with records from other sources to create highly relevant databases for local use. Where the cost of a separate library is beyond reach, POPLINE CD-ROM offers a convenient, easy-to-use, and easy-to-maintain substitute.

Lima, jueves 21 de setiembre de 1989

— E X P R E S O

LLEGO BASE BIBLIOGRAFICA DE PLANIFICACION FAMILIAR

El Consejo Nacional de Población recibió de la John Hopkins University de los Estados Unidos un Disco Compacto con la mayor base bibliográfica en la especialidad de población y planificación familiar.

Esta base llamada Po-

pline (Population Information en Line) incluye literatura mundial sobre investigación en fertilidad humana, métodos anticonceptivos, servicios de planificación familiar, salud materno infantil.

Igualmente, información bibliográfica acerca

del Síndrome de Inmuno Deficiencia Adquirida (SIDA), demografía, censos de población, estadísticas vitales y tópicos relacionados a legislación y política de salud y población.

La base Popline contiene 160,000 registros, que se incrementan anualmente en más de 10,000. El 30 por ciento de los mismos se refieren a materiales no publi-

cados o inéditos que datan, en su mayoría, de 1970 hacia adelante.

Estas referencias aluden a la documentación que se encuentra en cuatro importantes bibliotecas de universidades de los Estados Unidos.

Los registros referentes al Perú son más de 700, constituidos por monografías, artículos de revistas, informes, tesis, entre otros, de los cuales 44 son del Consejo Nacional de Población. La base ha sido instalada en su Centro de Documentación (CENDOC).

An article from the Peruvian newspaper Expreso describes the arrival of POPLINE CD-ROM at the National Population Council.

NRC Panel Finds CD-ROM "Custom-Made" for Africa

Excerpts from "Science and Technology Information Services and Systems in Africa, Report of a Workshop held in Nairobi, April 19-22, 1989: Report of a Panel of the Board on Science and Technology for International Development, National Research Council" (Washington, D.C., National Academy Press, 1989):

Because of its low cost, durability, vast storage potential, ease of use, and the fact that it by-passes telecommunication problems, CD-ROM seems to provide answers to a number of developing country difficulties, particularly access to bibliographic and full text material.

CD-ROM in Africa

This technology seems "custom-made" for the problems faced by African information specialists. One machine at a national center (or one per special subject area) could make information available for wide distribution. CD-ROM discs are ideal to mail from a central reference service for frequent extended use by their recipients. They can thus be used to store large amount of bibliographic information and be easily shipped anywhere in the world to be used where there is a reader. They can be used to store full text medical books, a high school science library, or a tropical agricultural library for use in developing countries.

This technology will substantially improve the provision of low-cost information in Africa and has already been introduced in a number of countries.

The participants unanimously agreed that seldom before had there been such a natural and suitable information technology for developing countries. Because of the importance and popularity of CD-ROM, a subgroup of the workshop produced a "manifesto"....

Excerpts from the "CD-ROM Manifesto":

CD-ROM today is an established technology.

CD-ROM is a "natural" for libraries, and for all who need to distribute large databases or other machine-readable files. CD-ROM:

- Eliminates the need for costly/difficult telecommunication links.
- Can survive/operate even under difficult conditions (such as heat, humidity, dust, and unstable power supply).
- Uses relatively "simple" information technology—a basic personal computer will do many CD-ROM applications.
- Has a relatively low capital cost for equipment—may only be an add-on for existing equipment.

CD-ROM is attractive to users. It:

- Provides a local holding of a very large database.
- Has powerful, user-friendly search software with the potential for complex searches, but needs only simple, low-cost computing resources.

CD-ROM should be attractive to national and international funding agencies because:

- It is a proven technology, well past the "experimental" stage.
- It has been seen to work in Africa and elsewhere....
- The costs are known and predictable....
- There can be virtually instant gratification, provided careful planning is carried out to meet document delivery demands generated by some CD-ROM products.
- The stakes are relatively low—considerable impact can be achieved for limited expenditures.
- It can be clearly targeted to specific needs.

Rockefeller Support for Popline CD-ROM

The Rockefeller Foundation has awarded The Johns Hopkins Center for Communication Programs \$71,790 over a 3-year period for:

- Placement of POPLINE CD-ROM in 10 institutions in Africa;
- Selection, purchase, and shipping of CD-ROM drives and paper supplies to each site; and
- Training workshops for key personnel at each POPLINE CD-ROM site.

POPLINE Staff

Alvin Hutchinson joined the staff as Acquisitions Librarian in April 1989. He has an M.L.S. from the University of Maryland and experience both in reference and acquisitions. While at College Park, he oversaw the conversion of

several library special collections catalogs from cards to machine-readable (computer) form.

In August 1989 Catherine Soehner began work as the POPLINE/NLM liaison. She was selected by NLM for a special postgraduate program after completing her M.L.S. at Indiana University and became interested in POPLINE during her NLM internship.

Aaron Kellem joined the POPLINE staff as POPLINE CD-ROM consultant. His background includes study in mathematics and computer science. In addition to his work with POPLINE CD-ROM, he assists in the development and maintenance of other databases for JHU/PIP and JHU/PCS.

Subcontracting

POPLINE input is augmented through three subcontracts:

Population Index at Princeton University supplies citations and annotations for demographic items covered in the print

publication. During FY 1989, 2,379 *Population Index* records were input directly into POPLINE, and 101 documents primarily on family planning were enhanced with more detailed abstracts. The Center for Population Research at the National Institute of Child Health and Human Development also supports the work of *Population Index*.

Carolina Population Center (CPC) at the University of North Carolina at Chapel Hill input 1,480 citations with abstracts during the same period. CPC input covers chiefly the socioeconomic aspects of population and family planning.

Center for Population and Family Health (CPFH) at Columbia University input 1,062 citations with abstracts. CPFH also provided 656 retrospective searches, 3,608 current awareness searches, and 1,681 documents to developing countries during this period.

These subcontracts provided a breadth of coverage for POPLINE that would not be possible through a single organization. Access to a variety of specialized university collections and staff expertise help make POPLINE as comprehensive as possible.

In addition, **Cardware Inc.** keys POPLINE abstracts and index terms in machine-readable form for input to the main database. JHU/PIP was able to negotiate a contract renewal with Cardware at no increase in cost. All four POPLINE collaborators use Cardware.



Visitors

JHU/PIP hosted 289 visitors during this 12-month period. This amounts to approximately 5 visitors per week (Attachment T). In addition to numerous individual visitors, groups of 20 to 30 trainees from The Johns Hopkins Program for International Education in Gynecology and Obstetrics (JHPIEGO), the Centre for Development and Population Activities (CEDPA), and other US AID-funded training centers visited the Population Information Program and its sister program, Population Communication Services (PCS). This is an example of the synergistic effects of the link between the two projects. These visitors welcome opportunities to see POPLINE and to obtain additional copies of **Population Reports**. Moreover, it is an opportunity to invite them to suggest contributions to the POPLINE bibliographic database, resulting in entries from developing countries that might not otherwise be discovered.

Financial Report

A 12-month reporting period, October 1, 1988, through September 30, 1989, is covered in this report. Total cumulative expenditures for the period were \$2,143,623. Current monthly expenditures average about \$178,635.

During the period from October 1, 1988, through September 30, 1989, funds were obligated from the Office of Population in the amount of \$2,150,000 for commitments for subcontracts, subscriptions, contracted services, the Cooperating Agencies Task Force on Informed Choice, and operating expenses. In addition, funding in the amount of \$30,000 was received from the US AID Asia/Near East Bureau for three abridged versions of **Population Reports** in Turkish. Also,

What Users Say About POPLINE CD-ROM

"I cannot over-emphasize the appropriateness of this technology for this Institute... we are in a position to disseminate this information resource to hundreds of organisations who are in need of it."

**Dr. A. Dyal Chand, Director,
Institute of Health Management
Packod, India**

"We have a great interest to obtain the POPLINE CD-ROM which will be very useful for our activities in communication."

**Martin Guerra Garcia, AMIDEP
Lima, Peru**

"In Bangladesh, it is very difficult to get immediate access to a center enriched in population related journals, books or reprints facility. This tremendously hampers the pace of the research work. Acquiring POPLINE CD-ROM disc and training for utilizing and disseminating materials for POPLINE would benefit BFRP to assist government in better implementation of the program."

**Dr. Halida Hanum Akhter, Director
Bangladesh Fertility Research Programme
Dhaka, Bangladesh**

"Population data on Sahelian countries is scarce, scattered all around the world.... POPLINE CD-ROM would enable us to have an access to more bibliographic documentation on population and development and strengthen our ability to widen our knowledge of population dynamics and relations with development in the Sahel."

**Aliou Diongue, CERPOD
Institut Du Sahel,
Bamako, Mali**

"We have just received and installed the POPLINE CD-ROM. To enhance the use..., we have distributed a circular informing interested agencies and individuals about this service. Thank you for your kindness."

**Dr. Yousef Nusseir, Director
Scientific & Technical Information Center
Royal Scientific Society
Amman, Jordan**

"We wanted to let you know that the system has been installed and is working well. We thank you for your support in sending us POPLINE, a system which will enrich our specialized information service in the field of population studies."

**Dr. Lino Rodriguez Villacorta
Director, Center for Documentation
National Council on Population
Lima, Peru**

Indian Prime Minister Rajiv Gandhi expressed great interest in compact disc technology during a September 1989 POPLINE CD-ROM presentation. Mr. Gandhi searched POPLINE and found records about his views on Indian population policy. A confirmed laptop computer user himself, Mr. Gandhi "likes computers ... and modernisation," according to the *New York Times* Bureau Chief in New Delhi.

Informed Choice Task Force Issues Report

Informed Choice: Report of the Cooperating Agencies Task Force was issued in July 1989. The 34-page report documents the consensus of 17 organizations, most of them US AID-funded Cooperating Agencies. Representatives of those organizations met repeatedly over an 18-month period to define informed choice both in principle and in practice. Phyllis T. Piotrow, Ph.D., Director of The Johns Hopkins University Center for Communication Programs (JHU/CCP), chaired the Task Force. The Population Information Program at JHU/CCP published the Task Force report.

The Task Force identified five program components necessary to informed choice:

1. Information on reproductive choices,
2. Information on a range of family planning methods,
3. Availability of a range of methods through direct services or referral,
4. Information on correct use of the client's chosen method, and
5. Counseling to ensure comprehension and to assist with decision-making.

By identifying these five components, the Task Force broadened the definition of informed choice. Previously, in informal use the term applied just to the choice among contraceptive methods.

Key Recommendations

Writing in *People* (16(4), 1989), Cynthia P. Green, Ph.D., consultant to the Task Force, highlighted several key Task Force recommendations:

Method choices. A range of methods—temporary, long-acting, and permanent and both for men and for women—should be available.

Referral systems. If providers do not offer certain methods, they must tell clients where to obtain them.

funding from the US AID Africa Bureau in the amount of \$300,000 was obligated for **Population Reports**, print materials, family planning flip charts, and other materials in French. They will be distributed to specially identified audiences in French-speaking areas of Africa. The total amount of US AID funds was \$2,480,000.

In FY 1988 \$200,000 was received from the US AID Office of Health for the **Population Reports** issue on maternal health and \$247,000 for the issue on AIDS education. Both reports were published in English and distributed during FY 1989, and French, Portuguese, and Spanish translations are underway. (For current financial status, see Attachment U.) The following financial attachments are provided to US AID as part of this report:

Clinic education. Many forms of education while clients are waiting can enhance counseling.

Client counseling. The provider should encourage the client to discuss needs, concerns, and preferences to arrive at a decision that satisfies the client.

Monitoring and evaluation. Standard reporting requirements should cover the components of informed choice, along with other aspects of service delivery.

Public outreach. The public needs to be informed about reproductive choices through a variety of communication channels, including broadcast mass media news and entertainment, outreach workers, and public events.

Male involvement. Men have a major role in making family reproductive choices and should not be neglected by family planning programs.

About 2,000 copies of the Task Force report were distributed initially. Requests for additional copies have come from over 30 countries and organizations, and they continue to come in. Translations of the report into French and Spanish are being completed.

In early 1990 a series of slides illustrating the elements of informed choice, as presented in the Task Force report, will be ready for use by any group wanting to make presentations on informed choice to service providers, policy-makers, or others. The set will consist of approximately 80 slides and a suggested narrative. Users may add or substitute their own slides and narrative as desired.

Copies of *Informed Choice: Report of the Cooperating Agencies Task Force* in English, Spanish, or French; the slide set; or additional information on the work of the Cooperating Agencies Task Force on Informed Choice can be obtained from the Population Information Program at The Johns Hopkins Center for Communication Programs, (301) 659-6300.

Attachment U, Quarterly Financial Status Reports

Attachment V, Population Information Program Financial Status as of September 30, 1989

Attachment W, Wages Paid to Population Information Program Staff from October 1, 1988, through September 30, 1989

Attachment X, Fees Collected from US and Other Developed Countries

Attachment Y, Report of AID-Owned Nonexpendable Property in Contractor's Custody