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Bicol Community Survey (BCS), 1981: [Philippines]

Overview and Appendices

Barry M. Popkin

ICPSR 6888

BICOL COMMUNITY SURVEY (BCS), 1981:
[PHILIPPINES]

(ICPSR 6888)

Overview and Appendices

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DATA COLLECTION DESCRIPTION

Barry M. Popkin

BICOL COMMUNITY SURVEY (BCS), 1981: [PHILIPPINES] (ICPSR 6888)

SUMMARY: During 1981, the Bicol Community Survey gathered data from 100 barangays located in the same provinces of the Philippines that were sampled by the BICOL MULTIPURPOSE SURVEY (BMS), 1978: [PHILIPPINES] (ICPSR 6878): Albay, Camarines Sur, and Sorsogon. Barangays are political subdivisions equivalent to villages in rural areas and to neighborhoods in urban areas. Data were gathered at the community level from barangay heads, health care providers (both public and private), traditional birth practitioners (hilots), traditional healers (herbolario), and barangay residents using a questionnaire divided into six different sections, each with its own particular focus. The six sections correspond to the six data files in this collection. Part 1, Infant Food Prices, contains information from one store in each barangay on content, availability, and price information of infant foods. Part 2, Health Services: Availability and Distance, contains one observation for each barangay from either barangay captains, barangay officials, or housewives regarding the time and cost of travel to health providers, both public and private. Part 3, Health Services: Prices and Quality, provides information from 518 heads of health care facilities, private health care professionals, traditional birth practitioners, and traditional healers about travel costs, costs per visit, and costs for prescribed medication. Part 4, Promotional Practices of Infant Food Companies, offers responses from hilots, heads of health facilities, and private professionals about brands of infant formula available, whether free samples and pamphlets were provided, and whether supplies such as pads, pencils, equipment, or posters were donated. Part 5, Environmental Sanitation, provides data from sanitary inspectors on water availability, water conditions, and garbage disposal within the barangay. For Part 6, Health Professionals Survey Data, heads of facilities and private professionals were given a self-administered survey regarding the demographic, educational, and employment characteristics of workers, along with their knowledge of and attitude toward breast-feeding. Interviews conducted with hilots by field workers using the same questionnaire are also included.

UNIVERSE: Barangays within the provinces of Albay, Camarines Sur, and Sorsogon, Philippines.

SAMPLING: Multistage, stratified random sample of 100 barangays.

NOTE: (1) The logical record length data and SPSS and SAS data definition statements were extracted from SAS transport files. (2) Data collected in 1978 (6878), 1983 (ICPSR 6889), and 1994 (ICPSR 6890) can be used individually or merged together on a unique household identifier. Data for 1978, 1983, and 1994 can be merged with data for 1981 at the community level only.

EXTENT OF COLLECTION: 6 data files + machine-readable documentation (PDF) + SPSS data definition statements + SAS data definition statements

EXTENT OF PROCESSING: DDEF.ICPSR/ REFORM.DATA/ REFORM.DOC/ SCAN/ MDATA.PR/ UNDOCCHK.PR

DATA FORMAT: Logical Record Length data with SPSS and SAS data definition statements and SAS transport files

Part 1: Infant Food Prices
File Structure: rectangular
Cases: 100
Variables: 221
Record Length: 659
Records Per Case: 1

Part 2: Health Services: Availability
File Structure: rectangular
Cases: 100
Variables: 153
Record Length: 420
Records Per Case: 1

Part 3: Health Services: Prices and Quality
File Structure: rectangular
Cases: 518
Variables: 207
Record Length: 622
Records Per Case: 1

Part 4: Promotional Practices of Infant Food Companies
File Structure: rectangular
Cases: 249
Variables: 124
Record Length: 297
Records Per Case: 1

Part 5: Environmental Sanitation
File Structure: rectangular
Cases: 100
Variables: 9
Record Length: 20
Records Per Case: 1

Part 6: Health Professionals Survey Data
File Structure: rectangular
Cases: 1,419
Variables: 94
Record Length: 226
Records Per Case: 1

RELATED PUBLICATIONS:

Griffin, C., B.M. Popkin, and D. Spicer. "Infant Formula Promotion and Infant Feeding Practices, Bicol Region, Philippines." AMERICAN JOURNAL OF PUBLIC HEALTH 74 (9, 1984) 992-997.

Popkin, B.M., M. Yamamoto, and C. Griffin. "Traditional and Modern Health Professionals and Breast Feeding in the Philippines." JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION 3 (1984) 765-776.

BICOL COMMUNITY SURVEY -- 1981

The purpose of the 1981 Community Survey was to fill in data gaps that had been found in the 1978 Bicol Multipurpose Survey. The specific objectives of the survey were:

1. to determine prices of substitutes for breast milk.
2. to determine the money-price and time-price for the specific services of health facilities.
3. to determine the availability and perceived quality of different health facilities.
4. to develop an index measuring the healthiness of the community's environment.
5. to determine the extent of practices used by infant formula and infant food companies to promote their products through health institutions.
6. to determine demographic, educational, and employment characteristics of health workers.
7. to determine health workers' knowledge, attitudes, and practices concerning breast feeding.

The area covered by the study was comprised of 100 barangays in 47 municipalities in the three provinces of the Bicol region -- Camarines Sur, Albay, and Sorsogon. These barangays were the same as those sampled in the 1978 BMS.

The questionnaire itself was divided into six separate sections, each with its own focus and sample respondents. The first section (A) covered infant food prices. One store for each of the 100 barangays was chosen, and price information was obtained both by direct observation and by storekeeper interviews. Section B looked at the availability of and distance to health services and/or health facilities present in the barangay and/or extending services to the barangay. The respondents for this section were "key informants" (e.g., barangay captains, barangay officials, and housewives); the final file has one observation per barangay. Heads of health care facilities (RHUs/CHOs, hospitals, and other health centers), private health care professionals, hilots, and herbolario were the respondents for Section C of the questionnaire which looked at the prices and quality of health services. A total of 518 respondents were interviewed for this section of the survey. Section D of the questionnaire looked at the promotional practices of infant formula/food companies. A total of 249 hilots, heads of health facilities, and private health professionals were interviewed. Sanitary inspectors provided responses to Section E of the survey which covered the environmental sanitation of the barangay. The final section, Section F, was a survey of health professionals and covered demographic, educational and employment characteristics of the workers as well as their knowledge, attitudes, and practices concerning breast feeding. This section was a self-administered questionnaire for heads of health facilities and private health professionals. Survey field workers used the same questionnaire in interviews of hilots. A total of 1,419 respondents participated in this section.

BICOL MULTIPURPOSE SURVEY
1981 COMMUNITY SURVEY
SAS EXPORT FILES AND LAYOUT FOR ASCII FILES

THE DOCUMENTATION FOR THE 1981 SUPPLEMENTAL COMMUNITY SURVEY IS CONTAINED IN SIX WORDPERFECT FILES, BMSSUPA.DOC, BMSSUPB.DOC, BMSSUPC.DOC, BMSSUPD.DOC, BMSSUPE.DOC, AND BMSSUPF.DOC. ADDITIONAL APPENDIX MATERIALS ARE CONTAINED IN THREE WORDPERFECT FILES: BMS81APA.DOC; BMS81APB.DOC; AND BMS81APC.DOC.

SAS TRANSPORT FILE=SUPP81A.EXP
ASCII FILE=SUPP81A.ASC
(IAD--PRAOT) (221*8.2)
100 OBS; 23 RECORDS PER OBS; 2,300 RECORDS; 184,000 BYTES

SAS TRANSPORT FILE=SUPP81B.EXP
ASCII FILE=SUPP81B.ASC
(IAD--CHERBO7) (153*8.2)
100 OBS; 16 RECORDS PER OBS; 1,600 RECORDS; 128,000 BYTES

SAS TRANSPORT FILE=SUPP81C.EXP
ASCII FILE=SUPP81C.ASC
(RSPNDNT1--FORMLREP((207*8.2)
518 OBS; 21 RECORDS PER OBS; 10,878 RECORDS, 870,240 BYTES

SAS TRANSPORT FILE=SUPP81D.EXP
ASCII FILE=SUPP81D.ASC
(RSPNDNT1--COMPANY4) (124*8.2)
249 OBS; 13 RECORDS PER OBS; 3,237 RECORDS, 258,960 BYTES

SAS TRANSPORT FILE=SUPP81E.EXP
ASCII FILE=SUPP81E.ASC
(BARANGAY--WETAVAIL) (9*8.2)
100 OBS; 1 RECORD PER OBS; 100 RECORDS; 8,000 BYTES

SAS TRANSPORT FILE=SUPP81F.EXP
ASCII FILE=SUPP81F.ASC
(RESPNDNT--SPONSOR4) (94*8.2)
1,419 OBS; 10 RECORDS PER OBS; 14,190 RECORDS; 1,135,200 BYTES

BMS SUPPLEMENTAL SURVEY
COMMUNITY SURVEY 1981

APPENDIX A
CODES FOR PROVINCE, IAD, AND BARANGAY

Province	IAD Number/Code	Barangay Number	Barangay Name/Municipality
1	I/010	1	Bigajo Norte, Libmanan
		2	Handong, Libmanan
		3	Concepcion, Libmanan
		4	Libod No. 2, Libmanan (Poblacion)
		5	Barcelonita, Cabusao
1	II–A/021	1	San Ramon, Bula
		2	Baliwag Viejo, Minalabac
		3	Sagrada Familia, Minalabac
		4	San Jose, Minalabac
1	II–B/022	1	Sto. Niño, Pili
		2	San Isidro, Pili (Poblicion)
		3	Sagrada, Pili
		4	San Agustin, Pili
		5	Hanawan, Ocampo
1	III/030	1	Salvacion, Bato
		2	Buluang, Bato
		3	Sta. Elena, Buhi (Poblacion)
		4	San Cayetano Agdangan, Baao
		5	Sagrada, Baao
1	IV–A/041	1	Palo, Canaman
		2	San Juan, Canaman
		3	San Roque, Camaligan
		4	San Roque, Calabanga (Poblacion)
		5	San Roque, Bombon
1	IV–B/042	1	Balombon, Calabanga
		2	Antipolo, Tinambac
		3	Magsaysay Complex, Tinambac
		4	Salvacion, Tinambac (Poblacion)
		5	Bagacay, Tinambac
1	V–A/051	1	Flordeliz, Milaor
		2	Cagbunga, Gainza
		3	Duang Niog, Libmanan
		4	San Isidro, Libmanan
		5	Del Rosario, Pamplona
		6	Del Pilar, San Fernando
1	V–B/052	1	Bagolatao, Minalabac
		2	Odicon, Pasacao
		3	Balogo, Pasacao
		4	Sta. Rosa del Norte, Pasacao (Poblacion)
		5	Cambalidio, Libmanan

Province	IAD Number/Code	Barangay Number	Barangay Name/Municipality
2	VI-A/061	1	Rawis Pio Duran
		2	Caratagan, Pio Duran
		3	Bubulusan, Guinobatan
		4	Malobago, Guinobatan
		5	Barangay 1 (Centro), Guinobatan (Poblacion)
		6	Batbat, Guinobatan
2	VI-B/062	1	Bacolod, Libon
		2	San Jose, Libon
		3	Tobog, Oas
		4	Balogo, Oas
		5	Iraya Sur, Oas (Poblacion)
2	VII-A/071	1	Putsan, Tiwi
		2	Visita San Miguel, Tobaco
		3	San Jose, Malilipot
		4	Barangay 4, Malilipot (Poblacion)
2	VII-B/072	1	Tinago, Camalig
		2	Comon, Camalig
		3	Penafrancia, Daraga
		4	Sipi, Daraga
		5	Ilawod, Daraga (Poblacion)
1	VIII/080	1	Sabang, Del Gallego
		2	San Vincente, Sipocot
		3	Liboro, Ragay
		4	Catabangan Crossing, Ragay
		5	Lupi Poblacion
1	IX/090	1	Mabca, Sangay
		2	Del Carmen, Sangay (Poblacion)
		3	Calalahan, San Jose
		4	Sabang, San Jose
		5	Matacla, Goa
3	XI/100	1	Barangay 5, Donsol (Poblacion)
		2	Bucalbucalan, Sorsogon
		3	Mayon, Castilla
		4	Panlayaan, Sorsogon
		5	Tugos, Sorsogon
3	XII/200	1	Batang, Irosin
		2	Binanuahan, Juban
		3	Caditaan, Magallanes
		4	Mapaso, Irosin
		5	North Poblacion, Juban (Poblacion)
3	XIII/300	1	Barangay, Gubat (Poblacion)
		2	Cogon, Gubat
		3	Dancalan, Bulusan
		4	Rizal, Prieto Diaz
		5	San Vincente, Bulusan

Province	IAD Number/Code	Barangay Number	Barangay Name/Municipality
1	Naga City (IAD code 01)	1	Panicuason
		2	Dayangdang
		3	Lerma
		4	Bagumbayan Norte
		5	Sabang
		6	Mabolo
1	Iriga City (IAD code 02)	1	San Vincente Norte
		2	Niño Jesus
		3	Sta. Cruz Sur
		4	San Francisco
		5	San Juan
2	Legaspi City (IAD code 03)	1	Bagacay
		2	Barriada Obrera
		3	Maslog
		4	Pawa

BMS SUPPLEMENTAL SURVEY
COMMUNITY SURVEY 1981

APPENDIX B
CODES FOR TYPES OF TRAINING RECEIVED

01 In-service training (various types of training not elsewhere classified), e.g.:
- Orientation training
- Didactic skills training
- Health surveys
- Lectures
- Red Cross training
- Housekeeping management
- Medical representative
- Filipino marriages
- Human sexuality
- Five-day plan to stop smoking
- Social work
- Health assessment
- Research and evaluation seminar
- General health services
- SARIKAYA

02 Family planning, e.g.:
- Hospital-based family planning project
- Refresher course in family planning
- Family planning
- Population control
- Modular family planning
- Family planning self-help/instruction
- Backup training in family planning
- Field acceptors comprehensive family planning
- Family planning skills development
- Basic family planning training
- Infertility
- Pre-marital counseling

03 Primary health care (PHC), e.g.:
- Better hygiene practices
- Field training/conference on primary health care
- Common illnesses
- Management of different illnesses
- Primary health care training

04 Surgical sterilization, e.g.:
- Vasectomy
- Minilap bilateral tubal ligation
- Minilaparotomy and vasectomy
- Endoscopic sterilization

05 Obstetrics-Gynecology/birth deliveries, including

hilot training, e.g.:
- Child delivery
- Domiciliary prenatal, deliveries and first aid
- Scientific method of handling deliveries
- Obstetrics-Gynecology
- Abnormal pregnancies/pregnancy

06 Nutrition seminars/workshops, e.g.:
- Nutrition seminar
- Hospital nutrition
- Management of malnourished cases
- Integrated municipal and nutrition program
- Diet therapy
- Operation Timbang and Mental feeding
- Mother's class

07 Maternal and child health care, e.g.:
- Infant feeding
- Child and maternity
- Maternity
- Maternity and child health
- Care of infants
- Child care
- Premature cases: how to handle them

08 Rural health delivery and development, e.g.:
- Rural health delivery
- Rural health practice
- Rural health care and delivery system
- Restructured health care and delivery system

09 Nursing care and services, e.g.:
- Public health nursing
- Maternity nursing
- Critical care nursing
- Pediatrics nursing
- Effective nursing care
- Intensive care management
- Patient care
- Clinical nursing
- New trends in nursing
- Comprehensive nursing
- Surgical nursing

10 Apprenticeship/residency/internship, e.g.:
- Hospital training
- Apprenticeship in a health facility
- Hospital residency
- Volunteer staff nurse
- Staff midwife

11 Specialized skills/services, e.g.:
- Anesthesia
- Problem-oriented medical procedure

Certified family physician
Medico-legal medicine
Cardio-pulmonary resuscitation (CPR basic life support)
Acupuncture
Medical hypnosis
Psycho-cybernetics
Pathology

12 Pediatrics, e.g.:
Under six clinic

13 Medical services training, e.g.:
Modern trends in practicing medicine

14 Disease prevention and control, e.g.:
Immunization
Expanded program on immunization
Control of communicable diseases
Disease prevention
Infectious diseases
Typhoid fever
Limitation of Widal test
Malaria eradication

15 Cardiovascular diseases, e.g.:
Hypertension and common heart diseases
Hypertension/coronary and artery diseases
Present trends in the management of hypertension
Anti-hypertension
Ischemic heart disease

16 Contraceptive use, e.g.:
IUD insertion
Pill dispensing

17 Executive and supervisory training, e.g.:
Hospital management
New performance appraisal system
Effective management and sound administration
Work simplification method
Performance rating counsel for supervisors
Inter-agency linkages in PHC
Leadership training
Keys of effective leadership
Training officers course
Management administration
Supervisory training for public health nurses
Junior executive training-supervisory training for effective administration and management (JET STREAM)
Management by objectives
Budget operation-new insurance innovation
Central supply room management

Workshop for trainers
Supervisory training on management and administration
Job description

18 Barangay health aid program, e.g.:
Barangay paramedic
Barangay brigade training
Barangay health program
Barangay health and nutrition program

19 Internal medicine (unspecified field)

20 Emergency surgery, e.g.:
Common surgical emergencies in children
Surgical emergencies

21 Environmental sanitation

22 La Maze method of delivery

23 Use of herbal medicine

24 Dermatology and the handling of various skin disorders

25 Food production, e.g.:
Poultry raising
Swine raising
Biological food
TVP seminar
Rice/Fish Culture

26 Pulmonary and bronchial diseases, e.g.:
Bronchial asthma
Pulmonary diseases

27 Professional training/other post-graduate training, e.g.:
Scientific meetings of various health topics
Management in the nursing services
Professional health training
Post-graduate in internal medicine
Refresher course for midwives
Refresher course in O.B.
Refresher course in self-instruction
Refresher course in nursing management
Post-graduate seminars
Medicine
Public health midwife
Post-graduate midwife

28 EENT seminars, e.g.:
Ophthalmology
Otolaryngology and ophthalmology

29 Musculo-skeletal training, e.g.:
- Orthopedics
- Rheumatology
- Arthritis

30 Pesticides and pesticides poisoning

31 Drug addiction

32 Surgery and operating room technique, e.g.:
- Operating room techniques
- Surgery
- Surgical complications: diagnosis and treatment
- Training in surgical services
- O.B. management

33 Laboratory techniques, e.g.:
- Microscopy
- Collection of specimen
- Radiology
- Laparoscopy
- Culdoscopy
- TB microscopy
- Cardiology

34 Genito-urinary diseases, e.g.:
- Venereal diseases control
- Gall bladder diseases

35 Gastro-intestinal/diarrheal diseases, e.g.:
- Oresol hydration
- Management of diarrheal diseases
- Peptic ulcer/hyperacidity
- Gastro-enterology

36 First aid/emergency, e.g.:
- Preventive alert system
- Pediatrics emergencies
- Obstetrical emergencies
- First aid training
- Abbreviated first aid
- Management of emergency patient (critically ill and dying)
- EENT emergencies
- Disaster preparedness

37 Tuberculosis, e.g.:
- New trends in TB
- Tuberculosis seminar
- Integrated national tuberculosis program
- National Institute for Tuberculosis

39 Parasitology

39 Neurology

40 Psychiatry

41 Hematological diseases, e.g.:
Leukemia

88 Unspecified type of training, e.g.:
IMAP/RHU
MEDA-DAP-IMAP
IEC
WHO/UNICEF
IBRD/CARE

APPENDIX C
CODES FOR AGENCY/PERSON/SOURCE OF TRAINING

01 Government health practitioners (e.g., nurse, midwife, physician and other health practitioners employed in government)

02 Private health practitioners (e.g., midwife, nurse, physician or other persons in private health practice)

03 Government hospitals (e.g., Philippine General Hospital, Camarines Sur Regional Hospital, Quezon Institute, National Orthopedic Hospital, Libmanan Emergency Hospital, Donsol District Hospital, etc.)

04 Private hospitals (e.g., Omeabel Memorial Hospital, Lourdes Hospital, Our Lady of Mediatrix Hospital, St. Jude, etc.)

05 Medical schools (e.g., Ago Medical and Educational Center, etc.)

06 Private health clinic (e.g., Quilon Medical Clinic, etc.)

07 Professional medical associations/societies and other private associations/organizations (e.g., National Federation of Midwives, Philippine Medical Association, Philippine Tuberculosis Society, etc.)

08 Ministry of Health and other government health agencies (e.g., Regional Health Training Center, Provincial Health Office, Rural Health Unit, City Health Office, Puericulture Center, etc.)

09 Other government ministries and agencies outside those dealing with health (e.g., Ministry of Human Settlements, Ministry of Local Governments and Community Development, DSW, etc.)

10 Pharmaceutical companies/milk or other infant food companies

11 International organizations (e.g., WHO/UNICEF, CARE, etc.)

12 Universities/schools (e.g., Naga College, University of the Philippines, University of Northeastern Philippines, Aquinas University, etc.)

13 Research and Training Center (e.g., Development Academy of the Philippines, etc.)

14 Bicol River Basin Development Program (BRBDP)

15 International Bank for Rural Development (IBRD)

16 USAID

17 Population Commission (POPCOM)/Population Center Foundation (PCF)

18 Institute for Maternal and Child Health (IMCH)

19 Philippine Medicare Commission (MEDICARE)

20 Civil Service Commission (CSC)

21 National Nutrition Council (NNC)

22 Philippine Red Cross/Red Cross Youth Council/Red Cross Member

23 Foster Parents Plan

24 Religious organizations (e.g., Seventh Day Adventists, etc.)

25 Philippine Heart Center for Asia

26 Foreign hospitals (e.g., St. Joseph at Long Island, USA, hospital in West Germany, etc.)

27 Agro chemical

28 Private persons/head of private organization

88 Unspecified source of training