

Data inventory

Bangladesh
Food Insecurity and
Vulnerability Information
and Mapping System (FIVIMS)



DATA INVENTORY

Bangladesh
Food Insecurity and
Vulnerability Information
and Mapping Systems (FIVIMS)

Food and Agriculture Organization of the United Nations

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Inventory of available FIVIMS related data as of September 9, 2003

ORGANIZATION	SURVEY/ DATABASE	DATA SOURCE	PERIODICITY	LATEST YEAR AVAILABLE	PREVIOUS YEARS AVAILABLE	VARIABLES OF USE IN FIVIMS
BBS	Population Census	Census	Every 10 yrs	2001	1974	Population characteristics
					1981	Economic participation
					1991	Fertility
						Mortality
						Migration
						Education
						Occupation
BBS	Census of Slum Areas and Floating Populations	Census & sample survey	Periodically	1997	1985 /1986	Slum characteristics
						Literacy, Employment
						Toilet facilities
						Source of electricity
BBS	The Bangla- desh Census of Agriculture and Livestock	Census & sample survey	Periodically	1996	1960	Sex of head of holdings
					1977	Landowner- ship
					1983-1984	Land use
						Cropping patterns
						Irrigation
						Use of chemi- cal fertilizer
						Livestock and poultry
						Farm forestry

OTHER USEFUL VARIABLES TO BE USED IN FIVIMS	LEVEL OF DATA COLLECTED	LEVEL OF DIS-AGGREGATION POSSIBLE	METHODOLOGY OF COLLECTION	CURRENT AVAILABLE FORMAT	WHERE AVAILABLE
Household characteristics	HH	Village		Published Report	FIVIMS Secretariat shelf
Housing		Thana			
		District			
		Division			
		Sex			
		Age			
Name of slum	HH	Household data		Published Report	Planning Commission Library
No. of households	HH	Dhaka, Chittagong, Khulna, Rajshahi metropolitan areas			
Population		14 cities			
Housing		100 Paurashavas			
Rental status					
Ownership of agricultural land					
Reason for coming to slum and migration					
Information on floating population					
Land tenure	HH	By division District	100 percent enumeration of all holdings collecting basic information Probability sample survey collecting detailed supplementary information of farm holdings	Reports (Vol. 1-3)	BBS sales centres libraries
Agricultural inputs		Union			
Farm population		Mauza			
Rural transport and cottage industry		Farm holding			
Fragmentation of land		By (non-farm and farm holdings – small, medium and large)			
Pattern of crop sharing					

ORGANIZATION	SURVEY/ DATABASE	DATA SOURCE	PERIODICITY	LATEST YEAR AVAILABLE	PREVIOUS YEARS AVAILABLE	VARIABLES OF USE IN FIVIMS
BBS	The House- hold Income & Expendi- ture Survey	Sample survey		2000	1995/1996	Household characteristics
					1991/1992	Income
					1988/1989	Consumption
					1985/1986	Health
					1983/1984	
					1981/1982	
					1973/1974	
BBS	The Poverty Monitoring Survey	Sample survey		May-1999	1994	Income
					April 1996,	Expenditure
					Apr-1995	Food intake
					Apr-1997	Health and sanitation
					April 1998	Education Crises and coping
BBS	Child Nutri- tion Survey	Sample survey	Every three- four years	2000	1989/1990, 1992, 1995/1996	HH income
						HH decision- making
						Pregnancy
						Hygiene
						Breastfeeding
						Vaccination
						Diarrhoea
						Illnesses
						Anthropo- metrical data

OTHER USEFUL VARIABLES TO BE USED IN FIVIMS	LEVEL OF DATA COLLECTED	LEVEL OF DIS-AGGREGATION POSSIBLE	METHODOLOGY OF COLLECTION	CURRENT AVAILABLE FORMAT	WHERE AVAILABLE
Housing	HH	Division		Published report	FIVIMS database
Assets		Urban-rural			
Education		By gender			
Agriculture and non-agriculture enterprises					
Housing		Sub-national at the level of 21 regions		Reports	BBS, Libraries
Occupation		Rural and urban			
Landownership		Poor and non-poor households			
Credit		Selected poverty indicators by socio-economic groups such as female headed households			
Gender dimension					
Expenditure saving					
Homestead	HH	Division	HIES households with children	Reports	In FIVIMS shelf
HH sex					
Religion					
HH head occupation		Gender			
Source of water		Urban slum and non-slum			
Use of iodised salt					
Toilet facilities					
Loans					

ORGANIZATION	SURVEY/ DATABASE	DATA SOURCE	PERIODICITY	LATEST YEAR AVAILABLE	PREVIOUS YEARS AVAILABLE	VARIABLES OF USE IN FIVIMS
BBS	Sample Vital Registration System	Sample survey	Annually	1999-2001	Since 1980	Infant mortality
						Neonatal mortality
						Child mortality
						Maternal mortality
NIPORT-BBS	Demographic and Health Survey	Sample survey	Every two years	1999-2000	1996/1997 1993/1994	Fertility
						Child mortality
						Maternal and child health
						Child nutrition
BBS-UNICEF	Multiple Indi- cator Cluster Survey	Sample survey	Annually	2000	1994, 1995, 1996, 1997, 1999	Diarrhoea prevalence
						Malnutrition (MUAC < 12.5
						Breast feeding practices
						Vaccinations
						Source of drinking water
						Arsenic con- tamination
						Child school enrolment

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HKI	Nutritional Surveillance Project	Sample survey	Bi-monthly	2001	1990	Wasting
						Stunting
						Underweight
						Diarrhoea
						ARI
						Breast feeding
						Child feeding practices
						Food consumption patterns
						Food prices
						Agricultural production
Natural disasters						
Dept. of Agricul- tural Extension	Annual Report	DAE field data	Annually	1999-2000		Cultivable land
			Fortnightly	2002	Last 40-50 yrs	Crop production
						Yield
						Irrigation
						Agricultural Inputs
						Agricultural extension policy
						Productivity, area trend
LGED	GIS database	LGED field data				Administrative boundaries
						Physical infrastructure
						Socio-eco- nomic infra- structure

ORGANIZATION	SURVEY/ DATABASE	DATA SOURCE	PERIODICITY	LATEST YEAR AVAILABLE	PREVIOUS YEARS AVAILABLE	VARIABLES OF USE IN FIVIMS
Bangladesh Space Research and Remote Sens- ing Organisation (SPARRSO)		Space data				Land use and land cover mapping
						Land accre- tion and ero- sion studies in coastal areas
						Study of the Boro rice (winter paddy) acre- age and yield estimation
						Study of the mangrove forest type and coastal plantation assessments
						Morphologi- cal studies of coastal area
						Estimation of inland fisher- ies potential
						Studies on surface water distribution, seasonal vari- ation in water level and dry season condi- tions of water pools.
						Flood and river bank studies
						Mapping of salinity af- fected areas
						Studies on dynamics of tropical cyclones
					River flood hydrology in and around Bangladesh	

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POSSIBLE**

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COLLECTION**

**CURRENT
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ORGANIZATION	SURVEY/ DATABASE	DATA SOURCE	PERIODICITY	LATEST YEAR AVAILABLE	PREVIOUS YEARS AVAILABLE	VARIABLES OF USE IN FIVIMS
Bangladesh Meteorological Institute (BMD)		Space data	24 hours			<p>Temperatures, humidity, rainfall, etc</p> <p>Upper air data: wind speeds and direction, temperature and humidity</p> <p>Agro-meteorological data</p> <p>Seismic data</p>
Flood Forecasting & Warning Centre (FFWC)		Space data	Daily			<p>Daily monsoon bulletin & river situation report, dry season bulletin (weekly), monthly flood report, annual Flood Report</p> <p>Special flood situation reports during flood time containing forecast, flood maps, hydrographs, extended outlook for the next 7 days (qualitative) and BWDB's damages and losses information.</p> <p>Flood forecast maps, Thana inundation status map</p> <p>River level forecasts for 24, 48 and 72 hours</p> <p>Current warning messages</p>

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Disaster Management Bureau (DMB)	Report	Compile data received from SPARRSO, DMB, FFWC and others	Updated annually	2003		Damage of crop from drought, cyclone and flood
						Damage of infrastructure from drought, cyclone and flood
						Population being affected by drought, cyclone and flood
Bangladesh Rice Research Institute (BRRI)	Ongoing trials	Field trial data received through field sta- tions	Continuous			

OTHER USEFUL VARIABLES TO BE USED IN FIVIMS	LEVEL OF DATA COLLECTED	LEVEL OF DIS-AGGREGATION POSSIBLE	METHODOLOGY OF COLLECTION	CURRENT AVAILABLE FORMAT	WHERE AVAILABLE
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Variety development

Crop-soil-water management

Pest management,

Rice farming systems

Farm machinery and post harvest technology

Socio-economics and policy

Training and technology transfer.

ORGANIZATION	SURVEY/ DATABASE	DATA SOURCE	PERIODICITY	LATEST YEAR AVAILABLE	PREVIOUS YEARS AVAILABLE	VARIABLES OF USE IN FIVIMS
Bangladesh Economic Survey	Annual Report	Different Govt. min- istry, de- partments, bureau	Annually	2003	Every year	GDP
						GNI
						National Income and Expenditure
						Price
						Wage
						Employment
						Poverty incidence
						Sector-wise production/ growth
						Agriculture
						industry
						Energy & electricity
						Transport & communica- tion
						Human resource de- velopment
Food Planning and Monitoring Unit	Database on Food Situation Bangladesh	BBS, DAE, DAM, Own survey	Occasional	Dec-2000	1995, 1999	Foreign trade
						Food grain production
						Cost of production
						Food grain procurement
						Food grain import
						Non- foodgrain crop produc- tion
						Price of foodgrains
						Foodgrain consumption

OTHER USEFUL VARIABLES TO BE USED IN FIVIMS	LEVEL OF DATA COLLECTED	LEVEL OF DIS-AGGREGATION POSSIBLE	METHODOLOGY OF COLLECTION	CURRENT AVAILABLE FORMAT	WHERE AVAILABLE
Savings and Investment	National			Report in FIVIMS shelf	
	National				
	National				
	National				
	National				
	National				
	National				
	National				
	National				
	National				
Public Food distribution System		National		Reports in FPMU, FIVIMS Shelf	
Food grain stock					

ORGANIZATION	SURVEY/ DATABASE	DATA SOURCE	PERIODICITY	LATEST YEAR AVAILABLE	PREVIOUS YEARS AVAILABLE	VARIABLES OF USE IN FIVIMS
BARC	Natural Resources Database (GIS at BARC)	Universi- ties, LGED, BBS, DAE, DAM, BWDB/ WARPO, SPARRSO, NARS, BMD, SRDI,EGIS, BLRS, SOB. FinMap	Occasional	2001		Soil resource Database
						Land resource Database
						Climate Database
						Agroclimate Database
						Hydrology Database
						Crop suitabil- ity Database
						Cropping pat- tern Database
						Farming sys- tem Database
						Fisheries Database
						Forestry Database
						Livestock Database
						Socio-eco- nomic database
						Demography
						HH type
						Land
						Farm labour
						Infrastructure
						Agricultural credit
						Agricultural production
						Agricultural Input
						Gender

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Mr. Anwar
Iqbal, National
Project Direc-
tor, GIS Project,
BARC

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BIDS/UNDP	Bangladesh Human Development Report 2000	BBS, HES, BDHS, ICDDR, B, BIDS and others	Biannually	2000		Market
						Poverty
						Human Development
						Human Poverty
						Food Intake
						Nutrient Intake
						Child malnutrition
						Gender gap in nutrition
						Child anthro- pometry
						Mortality
						School enrolment
						School drop-out
						Fertility
HHs affected by disaster						
International Centre for Diarrhoeal Disease Research (ICDDR, B)		Sample Survey data from ICDDR,B field sta- tion at Matlab, Comilla				Nutrition,
						Emerging and Re-emerging Infectious Dis- eases (ERID)
						Integrated Management of Childhood Illness (IMCI)
						Vaccine Research

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Department of Environment	Ongoing					
CAMPE/BRAC	Ongoing					
Meteorological Department, Ministry of Defence	Ongoing					
Departments of roads and highways, Ministry of Communication	Ongoing					
BRAC	Education Watch 1999	Field survey	Annually	2002	2001, 2000, 1999	Primary School enrolment
						Drop out
						Attendance
						Learning achievement
	Education Watch 2000	Field Survey				Quality of education (cognitive and non cognitive competency level)

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Parental education	individual & HH	6 rural divisions, metropolitan cities and urban areas	64 districts		
Teacher-student ratio		Boys and girls			
School physical facilities		Rural-urban			
Community participation		Govt. primary, non-govt. primary, non-formal primary schools, madrassas and other types of schools			
Investment in education		Rural-urban			
		Gender			
		Formal-non-formal school			
		Teachers skill and experience			
		Family factors			

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	Education Watch 2001	Field survey				Internal efficiency
						Enrolment
						Completion
						Repetition
						Adult literacy
	Education Watch 2002	Field Survey				Literacy
BRAC	Impact Assessment Study	Poor BRAC and non- BRAC pro- gramme beneficiary households	Every three- four years	2001	1996-1997, 1993-94	Consumption
						Expenditure
						Asset
						Education
						Housing
						Vulnerability and season- ality
						Crisis coping mechanism
BRAC	TUP Baseline survey	Hard core poor HHs from Rangpur, Nilphamari and Kurigram districts		2003		Consumption
						Expenditure
						Education
						Vulnerability and season- ality

OTHER USEFUL VARIABLES TO BE USED IN FIVIMS	LEVEL OF DATA COLLECTED	LEVEL OF DIS-AGGREGATION POSSIBLE	METHODOLOGY OF COLLECTION	CURRENT AVAILABLE FORMAT	WHERE AVAILABLE
Finance for education	Individual and HH	64 districts			
Private expenditure		Boys and girls			
Income, expenditure and asset of the school		Rural-urban			
		Govt. primary, non-govt. primary, non-formal primary schools, madrassas and other types of schools			
		6 rural divisions			
		Rural-urban			
		64 districts			
Land use	HH	25 Thanas from different districts		Reports	BRAC-RED reference library
Loan use					
Poverty self-assessment					
Morbidity	HH	Rangpur, Nilphamari & Kurigram districts	Questionnaire survey	Research Preview	BRAC-RED
Fertility			Personal observation	Reports	BRAC-RED
Health-seeking behaviour					
Housing					

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						Crisis coping mechanism
						Anthropometry
						Aenemia
						Mortality
Ministry of Primary & Mass Education	Child Education and Literacy Survey		Biannually	2002	1999, 1997, 1995	Gross enrolment
						Net enrolment
						Repetition rate
						Survival rate to grade 5
						Literacy rate (7+)
						Adult literacy (15+)
						Literacy gender parity Index

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Asset					
Water & sanitation					
Arsenic in drinking water					
Share of expenditure on primary education to total GDP pc and total public expenditure	Individual	62 districts (CHT 3=1)			
Qualifications of the teacher		Urban-rural			
Pupil-teacher ratio		Gender			
Coefficient of efficiency		Divisions		Published report (tables in CD)	Report in FIVIMS shelf