United Republic of Tanzania - Kagera Health and Development Survey 1991-1994 (Wave 1 to 4 Panel)

World Bank, University of Dar es Salaam

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Identification

SURVEY ID NUMBER
TZA_1991-1994_KHDS_v01_EN_M_v01_A_OCS

TITLE
Kagera Health and Development Survey 1991-1994 (Wave 1 to 4 Panel)

COUNTRY

Name	Country code
United Republic of Tanzania	TZA

STUDY TYPE
Living Standards Measurement Study [hh/lsms]

SERIES INFORMATION
This dataset provides waves 1 to 4 (1991-1994) of the panel Kagera Health and Development Survey. A fifth wave was conducted in 2004.

ABSTRACT
The Kagera Health and Development Survey was conducted to estimate the economic impact of the death of prime-age adults on surviving household members. This impact was primarily measured as the difference in well-being between households with and without the death of a prime-age adult (15-50), over time. An additional hypothesis was that households in communities with high mortality rates might be less successful in coping with a prime-age adult death. Thus, the research design called for collecting extensive socioeconomic information from households with and without adult deaths in communities with high and low adult mortality rates. Data collected by the KHDS can be used to estimate the "direct costs" of illness and mortality in terms of out-of-pocket expenditures, the "indirect costs" in terms of foregone earnings of the patient, and the "coping costs" in terms of changes in the well-being of other household members and in the allocation on of time and resources within the household as these events unfold. The KHDS was an economic survey. It did not attempt to measure knowledge, attitudes, behaviours or practices related to HIV infection or AIDS in households or communities. It also did not collect blood samples or attempt to measure HIV seroprevalence; this would have substantially affected the costs and complexity of the research and possibly the willingness of households to participate. Information on the cause of death in the KHDS household survey is based on the reports of surviving household members; the researchers maintained that household coping will respond to the perceived cause of death, irrespective of whether the deceased actually died of AIDS. Lastly, the KHDS did not attempt to measure the psycho-social impact of HIV infection or AIDS deaths.

KIND OF DATA
Sample survey data [ssd]

UNIT OF ANALYSIS
Households

Scope

NOTES
(a) HOUSEHOLD LEVEL INFORMATION

- Demographic characteristics
- Health status, symptoms, health-seeking behaviour and medical expenditures
- Nutritional status
- Mortality and related expenditures
- Human capital, enrolments and education expenditures
- Fertility and contraceptive use
- Time use in the labour force, other productive and health-related activities
- Income levels and sources
- Assets and durable goods, including housing, farm and business assets
- Consumption expenditure, by component
- Savings, debts, transfers and receipt of assistance

- Characteristics of non-resident parents and children, including their mortality Community-level information
- Demographic characteristics
- Economy and infrastructure
- Education
- Health
- Agriculture
- Culture Health facility information
- Characteristics of the Facility
- Personnel
- Equipment
- Services
- Immunizations
- Family Planning
- Inpatient Services
- Demand
- Fee Exemption Policies School facility information
- Characteristics, enrolments, and fees
- Number of textbooks (Kiswahili, math, other) available for the students of each grade
- Number of classes, enrolled students, enrolled female students, students who attended last week, and two-parent orphans enrolled for each grade
- Assistance provided to the school (added on second passage)

(b) PRICE DATA

- Prices of key consumption goods

TOPICS

Topic	Vocabulary
Health	FAO
Nutrition	FAO
Population & Reproductive Health	FAO
Financial Sector	FAO
Access to Finance	FAO
Migration & Remittances	FAO
Agriculture & Rural Development	FAO
Food (production, crisis)	FAO
Prices statistics	FAO

Coverage

GEOGRAPHIC COVERAGE
Regional

UNIVERSE
The KHDS attempts to re-interview all respondents interviewed in the original KHDS 1991-1994, irrespective of whether the respondent had moved out of the original village, region or country or was residing in a new household.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
World Bank

University of Dar es Salaam

Sampling

SAMPLING PROCEDURE
(a) SAMPLE DESIGN AND SELECTION

Qualitative studies of small samples of households can point to hypotheses about the ways in which fatal adult illness affects households. However, policymakers need to know which households are suffering the most, the size of the impact, the extent to which they suffer more than other households in a poor country, and the potential costs and effects of assistance programs. For this purpose, the sample of households must be representative of the population, a random sample for which the probability of selecting each household from the whole population is known. The KHDS used a random sample that was stratified geographically and according to several measures of adult mortality risk. This strategy allowed the team to ensure an adequate number of households with an adult death in the sample while retaining the ability to extrapolate the results to the entire population. The results from the household survey show that stratification of the sample on mortality risk at both the community and household level proved to be worthwhile. Among the 816 households in the original sample that began the survey in the first passage, 91 had an adult death in the course of the survey-more than three times the expected number (25) had the households been drawn at random with no stratification. The 816 households that began the survey in the first passage were observed, on average, for 1.6 years, generating a total of 1,322.7 years of observation. The average probability of an adult death per household per year, according to the 1988 Tanzania Census, is 0.0188. Thus, the expected number of deaths from a random sample of 816 households observed for 1.6 years is 25. Because households were added to the sample to compensate for attrition, a total of 918 households were eventually interviewed at least once. Between the first and last interview, 102 of these households had an adult death, compared to 27 households that would have been expected to have a death from a non-stratified sample.

(b) SAMPLING PROCEDURE

The KHDS household sample was drawn in two stages, with stratification based on geography in the first stage and mortality risk in both stages. It used a two-stage stratified random sampling procedure.

Data Collection

DATES OF DATA COLLECTION

Start	End	Cycle
1991-09	1992-05	Wave 1
1992-11	1992-11	Wave 2
1993-05	1993-06	Wave 3
1994-01		Wave 4

DATA COLLECTION MODE
Face-to-face [f2f]

Access policy

CONTACTS

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Use of the dataset must be acknowledged by including a citation which would include:
- Identification of the Primary Investigator
- Title of the survey (including the country name and year of implementation)
- Survey reference number
- Source and date of download

Example: World Bank and University of Dar es Salaam.Tanzania, Kagera Health and Development Survey 1991-1994 (Wave 1 to 4 Panel). Ref. TZA_1991_KHDS_v01_M. Dataset downloaded from the World Bank Microdata Library (www.microdata.worldbank.org) on [date]

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Metadata production

DDI DOCUMENT ID
DDI_TZA_1991-1994_KHDS_v01_EN_M_v01_A_OCS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Adoption of metadata for FAM
Development Economics Data Group	DECDG	The World Bank	Documentation of the DDI

DDI DOCUMENT VERSION
TZA_1991-1994_KHDS_v01_EN_M_v01_A_OCS_v01

Data Dictionary

Data file	Cases	Variables
Wave1_HH_S____HH Miscellaneous	0	163
Wave1_HH_S00B_OTH Section verification	0	16
Wave1_HH_S1__IND Household Roster	0	25
Wave1_HH_S2__KID Children Residing Elsewhere	0	28
Wave1_HH_S3__IND Parents	0	27
Wave1_HH_S4__BUS Overview of Household Businesses	0	7
Wave1_HH_S5__IND Education	0	58
Wave1_HH_S6__IND Health	0	109
Wave1_HH_S7A_IND Activities of Household Members	0	17
Wave1_HH_S7B_IND Activities of Household Members	0	70
Wave1_HH_S7C_IND Activities of Household Members	0	80
Wave1_HH_S7D_IND Activities of Household Members	0	71
Wave1_HH_S7E_IND Activities of Household Members	0	72
Wave1_HH_S7F_IND Activities of Household Members	0	92
Wave1_HH_S7G_IND Activities of Household Members	0	15
Wave1_HH_S7H_IND Activities of Household Members	0	22
Wave1_HH_S8__IND Migration	0	13
Wave1_HH_S9__IND Fertility	0	26
Wave1_HH_S9__KID Fertility	0	21
Wave1_HH_S10__IND Anthropometry	0	21
Wave1_HH_S11A_OTH Farming	0	21
Wave1_HH_S11B_OTH Farming	0	24

Wave1_HH_S11C_OTH Farming	0	12
Wave1_HH_S11E_OTH Farming	0	14
Wave1_HH_S11G_DUR Farming	0	15
Wave1_HH_S12A_OTH Livestock	0	17
Wave1_HH_S12B_OTH Livestock	0	9
Wave1_HH_S12C_EXP Livestock	0	6
Wave1_HH_S13A_DUR Fishing	0	12
Wave1_HH_S13B_OTH Fishing	0	10
Wave1_HH_S13C_EXP Fishing	0	8
Wave1_HH_S14A_BUS Non-farm selfemployment	0	25
Wave1_HH_S14B_EXP Non-farm selfemployment	0	12
Wave1_HH_S14C_BUS Non-farm selfemployment	0	33
Wave1_HH_S14D_DUR Non-farm selfemployment	0	12
Wave1_HH_S15A_DUR Housing	0	37
Wave1_HH_S16A_DUR Durable goods	0	11
Wave1_HH_S16B_EXP Durable goods	0	6
Wave1_HH_S16C_OTH Durable goods	0	6
Wave1_HH_S17B_EXP Food Consumption	0	24
Wave1_HH_S17C1EXP Food Consumption	0	25
Wave1_HH_S17C2EXP Food Consumption	0	22
Wave1_HH_S18A_IND Individual Expenditures	0	25
Wave1_HH_S18B_IND Individual Expenditures	0	29
Wave1_HH_S19A_IND Remittances and Credit	0	51

Wave1_HH_S19B_IND Remittances and Credit	0	51
Wave1_HH_S19C_IND Remittances and Credit	0	25
Wave1_HH_S20A_OTH Mortality	0	77
Wave1_HH_S20B_OTH Mortality	0	46
Wave1_COM_c0clustr Community	0	24
Wave1_COM_c1clustr Community	0	14
Wave1_COM_c2borrow Borrower/lender	0	12
Wave1_COM_c2clustr Community	0	76
Wave1_COM_c2social Services	0	5
Wave1_COM_c3clustr Community	0	30
Wave1_COM_c3prisch Primary school	0	6
Wave1_COM_c3secsch Secondary school	0	7
Wave1_COM_c4clustr Community	0	33
Wave1_COM_c4hfacil Health facility	0	9
Wave1_COM_c4hprvdr Health provider	0	7
Wave1_COM_c5clustr Community	0	50
Wave1_COM_c5cropid Crop	0	8
Wave1_COM_c6clustr	0	35
Wave1_COM_ccclustr	0	18
Wave1_HF_ha1__fac Facility	0	37
Wave1_HF_ha2__per Personnel	0	7
Wave1_HF_ha3__fac Facility	0	28
Wave1_HF_ha4__srv Service	0	15
Wave1_HF_ha5a_fac Facility	0	3

Wave1_HF_ha5B_imm Immunization	0	7
Wave1_HF_ha6a_fac Facility	0	4
Wave1_HF_ha6b_fpm Family planning method	0	13
Wave1_HF_ha7__fac Facility	0	21
Wave1_HF_ha8__fac Facility	0	33
Wave1_HF_ha9__fac Facility	0	15
Wave1_HF_hBa__drg	0	11
Wave1_HF_hbb__fac Facility	0	14
Wave1_HF_hc1a_fac Facility	0	32
Wave1_HF_hc1b_cns Consultation	0	10
Wave1_HF_hc2a_fac Facility	0	48
Wave1_HF_hc2b_ill Illness	0	10
Wave1_HF_htp__fac Facility	0	25
Wave1_ED_school	0	131
Wave1_PR_pr1__fdp Food item	0	10
Wave1_PR_pr2__ph1 Pharmaceutical item	0	10
Wave1_PR_pr2__ph2 Pharmaceutical item	0	7
Wave1_PR_pr3__nf1 Non-food item	0	7
Wave1_PR_pr3__nf2 Non-food item	0	10
Wave1_PR_prcvrcls Measuring Place	0	10
Wave1_FUQ_S____HH	0	183
Wave1_FUQ_S00B_OTH	0	14
Wave1_FUQ_S00C_IND Survey info sheet	0	22
Wave1_FUQ_S00D_IND Identification of new household	0	17
Wave1_FUQ_S1__IND	0	39

Wave1_FUQ_S1C__IND Demographic char.	0	24
Wave1_FUQ_S1D__IND Economic char. of (curr) household	0	11
Wave1_FUQ_S1E__IND Individual assets	0	22
Wave1_FUQ_S2__KID	0	33
Wave1_FUQ_S3__IND Parents	0	25
Wave1_FUQ_S4__BUS	0	5
Wave1_FUQ_S5__IND Education	0	56
Wave1_FUQ_S6__IND	0	100
Wave1_FUQ_S7A_IND	0	15
Wave1_FUQ_S7B_IND	0	73
Wave1_FUQ_S7C_IND	0	85
Wave1_FUQ_S7D_IND	0	34
Wave1_FUQ_S7E_IND	0	85
Wave1_FUQ_S7F_IND	0	95
Wave1_FUQ_S7G_IND	0	13
Wave1_FUQ_S7H_IND	0	20
Wave1_FUQ_S9__IND	0	25
Wave1_FUQ_S9__KID	0	19
Wave1_FUQ_S10_IND	0	20
Wave1_FUQ_S11A_OTH	0	22
Wave1_FUQ_S11B_OTH	0	22
Wave1_FUQ_S11C_OTH	0	10
Wave1_FUQ_S11E_OTH	0	12
Wave1_FUQ_S11G_DUR	0	13
Wave1_FUQ_S12A_OTH	0	15
Wave1_FUQ_S12C_EXP	0	4
Wave1_FUQ_S14A_BUS	0	23
Wave1_FUQ_S14B_EXP	0	10
Wave1_FUQ_S14C_BUS	0	31
Wave1_FUQ_S15A_DUR	0	36
Wave1_FUQ_S16A_DUR	0	17
Wave1_FUQ_S16B_EXP	0	4
Wave1_FUQ_S16C_OTH	0	4

Wave1_FUQ_S17B_EXP	0	22
Wave1_FUQ_S17C1EXP	0	23
Wave1_FUQ_S17C2EXP	0	20
Wave1_FUQ_S18A_IND	0	23
Wave1_FUQ_S18B_IND	0	27
Wave1_FUQ_S19A_IND	0	49
Wave1_FUQ_S19B_IND	0	49
Wave1_FUQ_S19C_IND	0	23
Wave1_FUQ_S20B_OTH	0	43
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Wave2_HH_S1__IND	0	36
Wave2_HH_S2__KID	0	33
Wave2_HH_S3__IND	0	29
Wave2_HH_S4__BUS	0	7
Wave2_HH_S5__IND	0	58
Wave2_HH_S6__IND	0	121
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Wave2_HH_S7B__IND	0	70
Wave2_HH_S7C__IND	0	80
Wave2_HH_S7D__IND	0	71
Wave2_HH_S7E__IND	0	72
Wave2_HH_S7F__IND	0	92
Wave2_HH_S7G__IND	0	15
Wave2_HH_S7H__IND	0	22
Wave2_HH_S8__IND	0	13
Wave2_HH_S9__IND	0	26
Wave2_HH_S9__KID	0	21
Wave2_HH_S10__IND	0	21
Wave2_HH_S11A_OTH	0	23
Wave2_HH_S11B_OTH	0	24
Wave2_HH_S11C_OTH	0	12
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Wave2_HH_S11G_DUR	0	15
Wave2_HH_S12A_OTH	0	17
Wave2_HH_S12B_OTH	0	9

Wave2_HH_S12C_EXP	0	6
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Wave2_HH_S14B_EXP	0	12
Wave2_HH_S14C_BUS	0	33
Wave2_HH_S14D_DUR	0	12
Wave2_HH_S15A_DUR	0	38
Wave2_HH_S16A_DUR	0	18
Wave2_HH_S16B_EXP	0	6
Wave2_HH_S16C_OTH	0	6
Wave2_HH_S17B_EXP	0	24
Wave2_HH_S17C1EXP	0	25
Wave2_HH_S17C2EXP	0	22
Wave2_HH_S18A_IND	0	25
Wave2_HH_S18B_IND	0	29
Wave2_HH_S19A_IND	0	97
Wave2_HH_S19B_IND	0	51
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Wave2_HF_ha2__per	0	7
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Wave2_HF_ha5b_imm	0	7
Wave2_HF_ha6a_fac	0	4
Wave2_HF_ha6b_fpm	0	13
Wave2_HF_ha7__fac	0	21
Wave2_HF_ha8__fac	0	33
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Wave2_HF_hc1a_fac	0	32
Wave2_HF_hc1b_cns	0	10
Wave2_HF_hc2a_fac	0	48
Wave2_HF_hc2b_ill	0	10
Wave2_HF_htp__fac	0	25
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Wave2_ED_school	0	146
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Wave2_PR_pr2__ph1	0	10
Wave2_PR_pr2__ph2	0	7
Wave2_PR_pr3__nf1	0	7
Wave2_PR_pr3__nf2	0	10
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Wave3_HF_ha1__fac	0	37
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Wave3_HF_ha3__fac	0	28
Wave3_HF_ha4__srv	0	15
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Wave3_HF_ha5b_imm	0	7
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Wave3_HF_ha6b_fpm	0	13
Wave3_HF_ha7__fac	0	21

Wave3_HF_ha8__fac	0	33
Wave3_HF_ha9a_fac	0	3
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Wave3_HF_hc1a_fac	0	32
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Wave3_HF_hc2b_ill	0	10
Wave3_HF_htp__fac	0	25
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Wave3_COM_ccclustr	0	18
Wave3_COM_vc4clustr	0	36
Wave3_HF_ha1__fac	0	37
Wave3_HF_ha2__per	0	7
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Wave3_HF_ha4__srv	0	15
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Wave3_HF_ha5b_imm	0	7
Wave3_HF_ha6a_fac	0	4
Wave3_HF_ha6b_fpm	0	13
Wave3_HF_ha7__fac	0	21
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Wave3_HF_ha9a_fac	0	3
Wave3_HF_ha9b_ast	0	7

Wave3_HF_ha10_fac	0	15
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Wave3_HF_hc1a_fac	0	32
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Wave3_HF_htp__fac	0	25
Wave3_ED_asstance	0	8
Wave3_ED_school	0	146
Wave3_PR_pr1__fdp	0	10
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Wave3_PR_pr2__ph2	0	7
Wave3_PR_pr3__nf1	0	7
Wave3_PR_pr3__nf2	0	10
Wave3_PR_prcvrcls	0	12
Wave3_TH_s___hlr	0	199
Wave3_TH_sb__cnd	0	13
Wave3_TH_se__plc	0	9
Wave4_HH_S____HH	0	191
Wave4_HH_S00B_OTH	0	16
Wave4_HH_S1__IND	0	41
Wave4_HH_S2__KID	0	37
Wave4_HH_S3__IND	0	29
Wave4_HH_S4__BUS	0	7
Wave4_HH_S5__IND	0	58
Wave4_HH_S6__IND	0	121
Wave4_HH_S7A__IND	0	17
Wave4_HH_S7B__IND	0	75
Wave4_HH_S7C__IND	0	87
Wave4_HH_S7D__IND	0	71
Wave4_HH_S7E__IND	0	87
Wave4_HH_S7F__IND	0	97
Wave4_HH_S7G__IND	0	15
Wave4_HH_S7H__IND	0	22
Wave4_HH_S8__IND	0	13

Wave4_HH_S9__IND	0	26
Wave4_HH_S9__KID	0	21
Wave4_HH_S10__IND	0	22
Wave4_HH_S11A_OTH	0	24
Wave4_HH_S11B_OTH	0	24
Wave4_HH_S11C_OTH	0	12
Wave4_HH_S11E_OTH	0	14
Wave4_HH_S11G_DUR	0	15
Wave4_HH_S12A_OTH	0	17
Wave4_HH_S12B_OTH	0	9
Wave4_HH_S12C_EXP	0	6
Wave4_HH_S13A_DUR	0	12
Wave4_HH_S13B_OTH	0	10
Wave4_HH_S13C_EXP	0	8
Wave4_HH_S14A_BUS	0	25
Wave4_HH_S14B_EXP	0	12
Wave4_HH_S14C_BUS	0	33
Wave4_HH_S14D_DUR	0	12
Wave4_HH_S15A_DUR	0	38
Wave4_HH_S16A_DUR	0	20
Wave4_HH_S16B_EXP	0	6
Wave4_HH_S16C_OTH	0	6
Wave4_HH_S17B_EXP	0	24
Wave4_HH_S17C1EXP	0	25
Wave4_HH_S17C2EXP	0	22
Wave4_HH_S18A_IND	0	25
Wave4_HH_S18B_IND	0	29
Wave4_HH_S19A_IND	0	51
Wave4_HH_S19B_IND	0	51
Wave4_HH_S19C_IND	0	25
Wave4_HH_S20A_OTH	0	79
Wave4_HH_S20B_OTH	0	45
Wave4_COM_c0clustr	0	24
Wave4_COM_c1clustr	0	21
Wave4_COM_c2borrow	0	12
Wave4_COM_c2clustr	0	24

Wave4_COM_c2social	0	6
Wave4_COM_c3clustr	0	12
Wave4_COM_c3prisch	0	6
Wave4_COM_c4clustr	0	36
Wave4_COM_c4hfacil	0	9
Wave4_COM_c4hprvdr	0	7
Wave4_COM_c5clustr	0	43
Wave4_COM_c6clustr	0	38
Wave4_COM_ccclustr	0	18
Wave4_HF_ha1__fac	0	37
Wave4_HF_ha2__per	0	7
Wave4_HF_ha3__fac	0	28
Wave4_HF_ha4__srv	0	15
Wave4_HF_ha5a_fac	0	3
Wave4_HF_ha5b_imm	0	7
Wave4_HF_ha6a_fac	0	4
Wave4_HF_ha6b_fpm	0	13
Wave4_HF_ha7__fac	0	21
Wave4_HF_ha8__fac	0	33
Wave4_HF_ha9a_fac	0	3
Wave4_HF_ha9b_ast	0	7
Wave4_HF_ha10_fac	0	15
Wave4_HF_hba__drg	0	11
Wave4_HF_hbb__fac	0	18
Wave4_HF_hc1a_fac	0	32
Wave4_HF_hc1b_cns	0	8
Wave4_HF_hc2a_fac	0	48
Wave4_HF_hc2b_ill	0	8
Wave4_HF_htp__fac	0	27
Wave4_ED_asstance	0	8
Wave4_ED_school	0	151
Wave4_PR_pr1__fdp	0	10
Wave4_PR_pr2__ph1	0	10
Wave4_PR_pr2__ph2	0	7
Wave4_PR_pr3__nf1	0	7
Wave4_PR_pr3__nf2	0	10

Wave4_PR_prcvrcls	0	12
ENUM_HH	0	25
ENUM_VLG	0	26
Constructed_acqa__hh	0	17
Constructed_capt__hh	0	22
Constructed_exp___hh	0	31
Constructed_inc___hh	0	34
raindata Monthly rainfall measurements in millimeters over the five districts (Bukoba urban and rural combined) for a 60 month period, January 1989 to December 1993 were assembled with the assistance and data provided by staff in the Department of Meteorology, University of Tanzania, Dar es Salaam and the Climate Prediction Center/Climate Operations Branch, MOAA Science Center, Washington, D.C. There are a handful of missing data points in the rainfall data file: 13 months for Biharamulo, 1 month for Ngara, and 2 months for Karagwe.	0	8