

Bosnia and Herzegovina - Living Standards Measurement Survey 2003 (Wave 3 Panel)

**State Agency for Statistics (BHAS), Republika Srpska Institute of Statistics (RSIS),
Federation of BiH Institute of Statistics (FIS)**

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Identification

SURVEY ID NUMBER

BIH_2003_LSMS-W3_v01_ES_M_v01_A_OCS

TITLE

Living Standards Measurement Survey 2003 (Wave 3 Panel)

COUNTRY

Name	Country code
Bosnia and Herzegovina	BIH

STUDY TYPE

Living Standards Measurement Study [hh/lsm]s]

SERIES INFORMATION

This is the third Living Standards Measurement Survey conducted in Bosnia and Herzegovina and it is panel with 2001, 2002 and 2004 Living Standards Measurement Surveys.

ABSTRACT

In 2001, the World Bank in co-operation with the Republika Srpska Institute of Statistics (RSIS), the Federal Institute of Statistics (FOS) and the Agency for Statistics of BiH (BHAS), carried out a Living Standards Measurement Survey (LSMS). The Living Standard Measurement Survey LSMS, in addition to collecting the information necessary to obtain a comprehensive as possible measure of the basic dimensions of household living standards, has three basic objectives, as follows:

1. To provide the public sector, government, the business community, scientific institutions, international donor organizations and social organizations with information on different indicators of the population's living conditions, as well as on available resources for satisfying basic needs.
2. To provide information for the evaluation of the results of different forms of government policy and programs developed with the aim to improve the population's living standard. The survey will enable the analysis of the relations between and among different aspects of living standards (housing, consumption, education, health, labor) at a given time, as well as within a household.
3. To provide key contributions for development of government's Poverty Reduction Strategy Paper, based on analyzed data.

The Department for International Development, UK (DFID) contributed funding to the LSMS and provided funding for a further two years of data collection for a panel survey, known as the Household Survey Panel Series (HSPS). Birks Sinclair & Associates Ltd. were responsible for the management of the HSPS with technical advice and support provided by the Institute for Social and Economic Research (ISER), University of Essex, UK. The panel survey provides longitudinal data through re-interviewing approximately half the LSMS respondents for two years following the LSMS, in the autumn of 2002 and 2003. The LSMS constitutes Wave 1 of the panel survey so there are three years of panel data available for analysis. For the purposes of this documentation we are using the following convention to describe the different rounds of the panel survey:

- Wave 1 LSMS conducted in 2001 forms the baseline survey for the panel
- Wave 2 Second interview of 50% of LSMS respondents in Autumn/ Winter 2002
- Wave 3 Third interview with sub-sample respondents in Autumn/ Winter 2003

The panel data allows the analysis of key transitions and events over this period such as labour market or geographical mobility and observe the consequent outcomes for the well-being of individuals and households in the survey. The panel data provides information on income and labour market dynamics within FBiH and RS. A key policy area is developing strategies for the reduction of poverty within FBiH and RS. The panel will provide information on the extent to which continuous poverty is experienced by different types of households and individuals over the three year period. And most importantly, the co-variables associated with moves into and out of poverty and the relative risks of poverty for different people can be assessed. As such, the panel aims to provide data, which will inform the policy debates within FBiH and RS at a time of social reform and rapid change.

KIND OF DATA

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Households

Scope

NOTES

The household questionnaire includes modules on:

- Housing
- Individual demography and education
- Health
- Labour
- Social protection, finances and credit
- Migration
- Values and opinions

Coverage

GEOGRAPHIC COVERAGE

National coverage.

Domains: Urban/rural/mixed; Federation; Republic

Producers and sponsors

PRIMARY INVESTIGATORS

Name
State Agency for Statistics (BHAS)
Republika Srpska Institute of Statistics (RSIS)
Federation of BiH Institute of Statistics (FIS)

PRODUCERS

Name	Role
The World Bank	Technical assistance

FUNDING AGENCY/SPONSOR

Name	Abbreviation
Department for International Development, UK	DFID

Sampling

SAMPLING PROCEDURE

The Wave 3 sample consisted of 2878 households who had been interviewed at Wave 2 and a further 73 households who were interviewed at Wave 1 but were non-contact at Wave 2 were issued. A total of 2951 households (1301 in the RS and 1650 in FBiH) were issued for Wave 3. As at Wave 2, the sample could not be replaced with any other households.

Panel design

Eligibility for inclusion

The household and household membership definitions are the same standard definitions as a Wave 2. While the sample membership status and eligibility for interview are as follows:

- i) All members of households interviewed at Wave 2 have been designated as original sample members (OSMs). OSMs include children within households even if they are too young for interview.
- ii) Any new members joining a household containing at least one OSM, are eligible for inclusion and are designated as new sample members (NSMs).
- iii) At each wave, all OSMs and NSMs are eligible for inclusion, apart from those who move out-of-scope (see discussion below).
- iv) All household members aged 15 or over are eligible for interview, including OSMs and NSMs.

Following rules

The panel design means that sample members who move from their previous wave address must be traced and followed to their new address for interview. In some cases the whole household will move together but in others an individual member may move away from their previous wave household and form a new split-off household of their own. All sample members, OSMs and NSMs, are followed at each wave and an interview attempted. This method has the benefit of maintaining the maximum number of respondents within the panel and being relatively straightforward to implement in the field.

Definition of 'out-of-scope'

It is important to maintain movers within the sample to maintain sample sizes and reduce attrition and also for substantive research on patterns of geographical mobility and migration. The rules for determining when a respondent is 'out-of-scope' are as follows:

- i. Movers out of the country altogether i.e. outside FBiH and RS.

This category of mover is clear. Sample members moving to another country outside FBiH and RS will be out-of-scope for that year of the survey and not eligible for interview.

- ii. Movers between entities

Respondents moving between entities are followed for interview. The personal details of the respondent are passed between the statistical institutes and a new interviewer assigned in that entity.

- iii. Movers into institutions

Although institutional addresses were not included in the original LSMS sample, Wave 3 individuals who have subsequently moved into some institutions are followed. The definitions for which institutions are included are found in the Supervisor Instructions.

- iv. Movers into the district of Brcko are followed for interview. When coding entity Brcko is treated as the entity from which the household who moved into Brcko originated.

RESPONSE RATE

The panel survey has enjoyed high response rates throughout the three years of data collection with the wave 3 response rates being slightly higher than those achieved at wave 2. At wave 3, 1650 households in the FBiH and 1300 households in the RS were issued for interview. Since there may be new households created from split-off movers it is possible for the number of households to increase during fieldwork. A similar number of new households were formed in each entity; 62 in the FBiH and 63 in the RS. This means that 3073 households were identified during fieldwork. Of these, 3003 were eligible for interview, 70 households having either moved out of BiH, institutionalised or deceased (34 in the RS and 36 in the FBiH).

Interviews were achieved in 96% of eligible households, an extremely high response rate by international standards for a survey of this type.

In total, 8712 individuals (including children) were enumerated within the sample households (4796 in the FBiH and 3916 in the RS). Within in the 3003 eligible households, 7781 individuals aged 15 or over were eligible for interview with 7346 (94.4%) being successfully interviewed. Within cooperating households (where there was at least one interview) the interview rate was higher (98.8%).

A very important measure in longitudinal surveys is the annual individual re-interview rate. This is because a high attrition rate, where large numbers of respondents drop out of the survey over time, can call into question the quality of the data collected. In BiH the individual re-interview rates have been high for the survey. The individual re-interview rate is the proportion of people who gave an interview at time t-1 who also give an interview at t. Of those who gave a full interview at wave 2, 6653 also gave a full interview at wave 3. This represents a re-interview rate of 97.9% - which is extremely high by international standards. When we look at those respondents who have been interviewed at all three years of the survey there are 6409 cases which are available for longitudinal analysis, 2881 in the RS and 3528 in the FBiH. This represents 82.8% of the responding wave 1 sample, a retention rate which is again high compared to many other panels around the

world.

WEIGHTING

Analysis of wave 3 LiBiH Panel data uses the longitudinal weights generated at wave 2 of the panel survey to take account of non-response and attrition. Given the high re-interview response rates at wave 3 of the panel (of some 96 percent); the interpretation of the wave 3 findings and results is not affected. Some of the numbers of cases in the tables may vary slightly when the wave 3 weights are applied, but differences are very small.

The LiBiH wave 3 data bases for the state and the two entities, including weights for differential response and attrition between waves 2 and 3, are available on and can be downloaded from the SI websites.

For more information, refer to the main report.

Data Collection

DATES OF DATA COLLECTION

Start	End
2003-09-15	2003-11-15

DATA COLLECTION MODE

Face-to-face [f2f]

Data Processing

DATA EDITING

Data entry

As at Wave 2 CSPro was the chosen data entry software. The CSPro program consists of two main features to reduce to number of keying errors and to reduce the editing required following data entry:

- Data entry screens that included all skip patterns.
- Range checks for each question (allowing three exceptions for inappropriate, don't know and missing codes).

The Wave 3 data entry program had more checks than at Wave 2 and DE staff were instructed to get all anomalies cleared by SIG fieldwork. The program was extensively tested prior to DE.

Ten computer staff were employed in each Field Office and as all had worked on Wave 2 training was not undertaken.

Editing

Editing Instructions were compiled (Annex G) and sent to Supervisors. For Wave 3 Supervisors were asked to take more time to edit every questionnaire returned by their interviewers. The FB TSA examined the work twelve of the twenty-two Supervisors. All Supervisors made occasional errors with the Control Form so a further 100% check of Control Forms and Module 1 was undertaken by the FB TSA and SIG members.

Access policy

CONTACTS

Name	Affiliation	Email	URL
LSMS Data Manager	The World Bank	lsms@worldbank.org	surveys.worldbank.org/lsm

CONFIDENTIALITY

The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO

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- Any results derived from the micro dataset will be used solely for reporting aggregated information, and not for any specific individual entities or data subjects;
- The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO;
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Metadata production

DDI DOCUMENT ID

DDI_BIH_2003_LSMS-W3_v01_ES_M_v01_A_OCS

PRODUCERS

Name	Abbreviation	Affiliation	Role
World Bank			Metadata producer
Office of Chief Statistician	OCS	Food and Agriculture Organization	Metadata adapted for FAM

DDI DOCUMENT VERSION

BIH_2003_LSMS-W3_v01_ES_M_v01_A_OCS_v01

Data Description

Data file	Cases	Variables
bbhcfhh Wave 2 - Control form. Address information.	3086	16
bbhcfind Wave 2 - Control form. Individual information. Reasons for joining household. Household relationships. Includes weights.	9884	47
BBHHHPOS Wave 2 - Household possessions (b2_49 to b2_52)	1546	7
BBHIHH Wave 2 - Household questionnaire (module 2).	3086	123
bbhiind Wave 2 - Individual questionnaire (modules 1, 3, 4, 5, 7, 8, 9, 10). Includes weights.	7530	255
bbjhjhist Wave 2 - Individual job history - by spell (module 6).	520	10
cbh_ind_weighs Wave 3 - Individual weights	9729	3
cbhcfhh Wave 3 - Control form. Address information.	3077	12
cbhcfind Wave 3 - Control form. Individual information. Reasons for joining household. Household relationships. Includes weights at BiH level only	9729	47
cbhhhpos Wave 3 - Household possessions (c2_49 to c2_52)	2058	5
cbhihh Wave 3 - Household questionnaire (module 2).	3077	98
cbhiind Wave 3 - Individual questionnaire (modules 1, 3, 4, 5, 7, 8, 9, 10). Includes weights at BiH level only.	9729	290
cbjhjhist Wave 3 - Individual job history - by spell (module 6).	689	10
sub_AAglab Wave 1 - Cross-sectional data (W1 LSMS) - Agricultural activities (not in Wave 2). Part of module 13 - a13_c4 - hiring of labour, by work code. This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.	1503	16
sub_aagmach Wave 1 - Cross-sectional data (W1 LSMS) - Agricultural activities (not in Wave 2). Part of module 13 - a13_c5 - hiring of machinery, by type of work code. This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.	6240	16
sub_aanfeed Wave 1 - Cross-sectional data (W1 LSMS) - Animal feed - a13_d2 - by feed code. This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.	7210	20
sub_aanfp Wave 1 - Cross-sectional data (W1 LSMS) - Gift item, use, value - a11c2 (not in Wave 2). By gift code. This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.	141984	14

sub_abhcfhh

Wave 1 Panel data: Control form – household level (renamed version of ACFHHOLD).

This is a sub-sample of LSMS data for the respondents who were taken through to wave 2 but reorganised into 5 different data files (filename starting with "sub_AB..."; the files are renamed to be consistent with the wave 2 data.

2999 28

sub_abhcfind

Wave 1 Panel data: Control form – individual level (renamed version of ACFIND), includes weights.

This is a sub-sample of LSMS data for the respondents who were taken through to wave 2 but reorganised into 5 different data files (filename starting with "sub_AB..."; the files are renamed to be consistent with the wave 2 data.

9464 33

sub_abhhhpos

Wave 1 Panel data: Household possessions (part of module 2), a2c_45 to a2c_48 (renamed version of AHHPOS)

This is a sub-sample of LSMS data for the respondents who were taken through to wave 2 but reorganised into 5 different data files (filename starting with "sub_AB..."; the files are renamed to be consistent with the wave 2 data.

23477 14

sub_abhihh

Wave 1 Panel data: Household questionnaire (renamed version of AIHHOLD)

This is a sub-sample of LSMS data for the respondents who were taken through to wave 2 but reorganised into 5 different data files (filename starting with "sub_AB..."; the files are renamed to be consistent with the wave 2 data.

3003 180

sub_abhiind

Wave 1 Panel data: Individual questionnaire (taken from AALLIND and AADIND), includes weights.

This is a sub-sample of LSMS data for the respondents who were taken through to wave 2 but reorganised into 5 different data files (filename starting with "sub_AB..."; the files are renamed to be consistent with the wave 2 data.

9554 285

sub_acrops

Wave 1 - Cross-sectional data (W1 LSMS) - Agricultural activities (not in Wave 2). Part of module 13: a13_b2 and a13_c1, by crop code.

This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.

66816 40

sub_afarmcap

Wave 1 - Cross-sectional data (W1 LSMS) - Agricultural activities (not in Wave 2). Part of module 13: a13_e. Farm capital assets.

This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.

6864 22

sub_afertuse

Wave 1 - Cross-sectional data (W1 LSMS) - Agricultural activities (not in Wave 2). Part of module 13: a13_c2. Fertiliser use.

This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.

8256 18

sub_afoodc1

Wave 1 - Cross-sectional data (W1 LSMS) - Food consumption (not in Wave 2), a11b1, by food code.

This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.

130240 17

sub_afoodc2

Wave 1 - Cross-sectional data (W1 LSMS) - Food consumption (not in Wave 2), a11b2, by food code.

This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.

65109 19

sub_aforuse

Wave 1 - Cross-sectional data (W1 LSMS) - Agricultural activities (not in Wave 2). Part of module 13: a13_b1.

This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.

403 16

sub_afueluse

Wave 1 - Cross-sectional data (W1 LSMS) - Agricultural activities (not in Wave 2). Part of module 13: a13_c3. By fuel code.

912 18

This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.

sub_ahhbus

Wave 1 - Cross-sectional data (W1 LSMS) - Non-agricultural business or activities (not in Wave 2). Module 12.

229 60

This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.

sub_alandown

Wave 1 - Cross-sectional data (W1 LSMS) - Agricultural activities (not in Wave 2): a13_2, renting out plots, by plot.

838 20

This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.

sub_alanduse

Wave 1 - Cross-sectional data (W1 LSMS) - Agricultural activities (not in Wave 2): a13_1, cultivating plots, by plot.

2753 22

This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.

sub_alstock

Wave 1 - Cross-sectional data (W1 LSMS) - Agricultural activities (not in Wave 2): a13_d, livestock, by animal code

15440 31

This file belongs to a subset of 15 files from the sub-sample of the LSMS, which were not used in the reorganisation.