

AGRODEP
Household survey data course
Dakar, 8-10 October 2012

Questionnaire design



HarvestChoice
BETTER CHOICES, BETTER LIVES



Survey instruments (LSMS)

- Household
- Community
- Price
- *Facility*

Purposes of household survey

- Measure Welfare

Welfare

- Measure Levels, Distribution, Causes
- Various measures
 - Consumption
 - Income
 - Wealth, Savings, Human Capital
 - Objective measures
 - Subjective measures
- Need:
 - Multi-topic Household Questionnaire
 - Price Questionnaire

Purposes of household survey

- Measure Welfare
- Analyze Policy

Analyze Policy

- Who Benefits From Programs
- Impact of Programs
- Information Need:
 - Use of Public Services
 - Who receives subsidies or transfers
 - Cost of services (fees, distance, time)
 - Outcomes policies designed to effect
- Need:
 - Household Questionnaire

Analyze Policy

- Availability of Services to Household
- Prices Charged
- Quality of Services
- Need:
 - Community Questionnaire
 - Facility Questionnaire

Purposes of household survey

- Measure Welfare
- Analyze Policy
- Determinants

Determinants

- Why observed social outcomes occur
- Household behavior
- Examples:
 - Parental Education and child nutrition
 - Health and Labor Market Status
 - Risk diversification and Poverty
- Need:
 - Household Questionnaire

Household Questionnaire

- Purpose:
 - Collect data on households
 - Collect data on all aspects of living standards
- Content

Content: Bosnia and Herzegovina

- Roster
- Housing
- Education
- Health
- Labor
- Credit
- Vouchers/Certificates
- Migration
- Social Assistance

SECOND ROUND

- Food Expenditures and Consumption
- Non-Agricultural Household Businesses
- Agriculture

Household Questionnaire

Level of Observation

- Household
- Individual
 - Intra-household allocations
 - Accuracy, completeness

Respondent

Head

Individual

Best Informed

- ❄ Roster
- ❄ Housing, utilities
- Education
- Health
- Labor
- Fertility
- Migration
- Transfers
- Credit
- ❄ Social Assistance
- ❄ Shocks

SECOND ROUND

- Expenditures/
Consumption
- Agriculture
- Non-Agricultural
Household Businesses
- Anthropometrics

Community Questionnaire

- Purpose:
 - Basic characteristics of “community”
 - Services available
 - Social Capital
- Content
 - Economic conditions
 - Public and private services: distance, quality
 - Other relevant: migration, transport

Price Questionnaire

- Purpose
 - Allow Cost of Living Adjustments to be made
 - Collect price data
- Content
 - Prices of Main Food and Non-Food Items
 - Three sources of prices

Facility Questionnaire

- Purpose
 - Determine services provided
 - Assess quality of services
 - Assess resources available
- Content
 - Inventories (equipment, materials, staff)
 - Administrative data on services provided
 - Fees, schedules
 - Key issues/problems

Starting Point

- ❑ Discussion with policy makers
 - What are key policies to measure
 - What are other key issues

Starting Point

- ☒ Discussion with policy makers
- ☐ Discussion with Statistical Office
 - Issues
 - Feasibility

Starting Point

- ☒ Discussion with policy makers
- ☒ Discussion with Statistical Office
- ☐ Create Data Users' Group

Starting Point

- ☒ Discussion with policy makers
- ☒ Discussion with Statistical Office
- ☒ Create Data Users' Group
- ☐ Existing Questionnaires
 - Comparability
 - ❖ categories
 - ❖ variables
 - ❖ reference periods, age groups
 - Panel
 - ❖ how to track households, individuals

Starting Point

- ☒ Discussion with policy makers
- ☒ Discussion with Statistical Office
- ☒ Create Data Users' Group
- ☒ Existing Questionnaires
- ☐ Qualitative research
 - community discussion
 - group interviews
 - focus groups (farmers' associations,...)

Starting Point

- ☒ Discussion with policy makers
- ☒ Discussion with Statistical Office
- ☒ Create Data Users' Group
- ☒ Existing Questionnaires
- ☒ Qualitative research
- ☐ Increasing Policy Relevance of the survey?
 - Revision of experience
 - Identify issues that hh survey data can address
 - Draft modules linked to policy issues

Starting Point

- ☒ Discussion with policy makers
- ☒ Discussion with Statistical Office
- ☒ Create Data Users' Group
- ☒ Existing Questionnaires
- ☒ Qualitative research
- ☒ Increasing Policy Relevance of the survey
- ☐ Research
 - Content
 - Techniques

Designing for Quality

- Multi-topic Questionnaire: Complexity
 - Missing values
 - Internal Consistencies
 - Inaccuracies
 - Omission of key issues by analysts

Quality Control Mechanisms

- **Explicit Questions**

Explicit Questions

- Example:

1. Education?

	1. What is the highest level and grade of education that [NAME] completed?
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- Language

Quality Control Mechanisms

- Explicit Questions
- **Pre-Coded**

Pre-Coded Questions

2. Is [NAME]		22. Where did [NAME] go to obtain medical care?
Male.....1	Own
Female.....2		home.....1
		Provider's
		home.....2
		Health
		post.....3
		Public Health
		clinic.....4
		Private Health Clinic..5
		Public
		Hospital.....6
		Private
		Hospital.....7
		Other.....8

Quality Control Mechanisms

- Explicit Questions
- Pre-coded
- **Explicit Skip Patterns**

Explicit Skip Patterns

4. Do you currently smoke cigarettes? Yes.....1 >>Q6 No.....2	5. Have you ever smoked cigarettes? Yes.....1 No.....2 >>Q7	6. At what age did you start smoking? Age in years	7. In the past 30 days did you consume alcoholic beverages? Yes.....1 No.....2 >>Sect. 5
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Quality Control Mechanisms

- Explicit Questions
- Pre-coded
- Explicit Skip Patterns
- **Direct Informants**

Quality Control Mechanisms

- Explicit Questions
- Pre-coded
- Explicit Skip Patterns
- Direct Informants
- **Sensitive Issues Last**
 - Fertility
 - Savings and debt
 - Income

Quality Control Mechanisms

- Explicit Questions
- Pre-coded
- Explicit Skip Patterns
- Direct Informants
- Sensitive Issues Last
- **Packaging**

Quality Control Mechanisms

- Explicit Questions
- Pre-coded
- Explicit Skip Patterns
- Direct Informants
- Sensitive Issues Last
- Packaging
- Two-round format

Two Round Format

- Breaks up interview
- Allows entry and checking of first half data
- Allows for corrections with respondents
- Reference periods

Quality Control Mechanisms

- Explicit Questions
- Pre-coded
- Explicit Skip Patterns
- Direct Informants
- Sensitive Issues Last
- Packaging
- Two-round format
- **Small Sample**

Quality Control Mechanisms

- ❑ Explicit Questions
- ❑ Pre-coded
- ❑ Explicit Skip Patterns
- ❑ Direct Informants
- ❑ Sensitive Issues Last
- ❑ Packaging
- ❑ Two-round format
- ❑ Small Sample
- ❑ **Training**

Pilot or Field Testing of Questionnaires

- Ensure Questionnaires capable of collecting required information:
 - Is the full scope of information needed being collected?

Covering Credit?

- ❖ Roster
- ❖ Parents of Hhld members
- ❖ Housing, Utilities
- ❖ Education
- ❖ Health
- ❖ Labor and Other Income
- ❖ Privatization
- ❖ Migration
- ❖ Fertility
- ❖ Credit

Mortgages

Individual loans:
formal-informal,
unmet demand

- ❖ Expenditures / Consumption

Durable goods

Food Purchases

- ❖ Agriculture

Supplier credit

- ❖ Non-Agr. Businesses

Supplier credit

- ❖ Other Income

- ❖ Anthropometrics

Pilot or Field Testing of Questionnaires

- Ensure Questionnaires capable of collecting required information:
 - Is the full scope of information needed being collected?
 - Does every section respond to policy needs?
 - Is the information collected in different sections internally consistent?

Specific Sections

- Is the section inclusive?
- Ex.: does the questionnaire include all prevalent
 - activities
 - living arrangements
 - sources of income
 - consumption items

Individual Questions

- Clear in all circumstances?
- Lead to unambiguous responses?
- Alternative interpretations?
- All responses anticipated (pre-coded)?
- Are skip patterns accurate/complete?

Pilot Test: How to

- Involve both field staff and analysts
- Test all instruments
- Test in all conceivable situations
- Ensure enough responses to each section to test well
- Document Process

Testing Employment Module

- Self-employed farmers
- Self-employed businesspersons
- Employees
- Unpaid family workers
- Unemployed
- Homemakers
- Males, females, children

Testing Housing Module

- Homeowners
- Renters
- Squatters
- Multi-family Units

Testing Agricultural Module

- Subsistence Farmers
- Cash-crop Farmers
- Landowners
- Household raising livestock
- Absentee owners

Revisions

- Leave plenty of time to revise
 - affects questionnaire
 - training
 - data entry
- Test new revisions
 - Take multiple versions to field

Examples

- Adequate for all situations
- Measuring Accurately









