Introduction

The simple poverty scorecard is an easy-to-use tool that local pro-poor development programs in Afghanistan can use for targeting, for estimating their participants’ poverty rates, and for tracking changes in participants’ poverty rates over time. Field agents visit participants in their homes and ask 10 simple, objective questions (such as “Which main toilet facility does your household use?” or “In the past 30 days, what has been the household’s main source of cooking fuel?”). The responses are used to estimate the likelihood that household expenditure is below any of a range of poverty lines. The results are comparable across service points or geographic regions in Afghanistan.

This document tells how to apply the scorecard and use the data-entry software. The scorecard itself and the look-up tables that relate scores to poverty likelihoods appears on the final two pages.

Structure of the Scorecard

Each scorecard includes identifying information at the top and 10 questions below.

Field agents first fill in identifying information. Some items—such as survey number and current date—can be filled in ahead of time. Each survey must have a unique survey number. The rest of the identifying information can be defined with default values that are automatically filled in, or they can be filled in ahead of time. The five user-defined fields can be given default values, filled out while waiting, or asked of the participant. The user-defined fields might include data on scorecard implementation (such as the language or the length of the interview), or tracking information for survey management (such as details on sampling and participant selection).
Just below the tracking information, there are 10 questions, all with answer options that are pre-coded, close-ended, and restricted to No/Yes or multiple-choice.

**Administering the Survey**

The scorecard is administered in face-to-face interviews with participants at their homes. Data quality is key, and following the steps below helps to ensure high-quality data.

The first step is to prepare scorecards before the interview. In **User Definitions** (see below), the scoring manager can fill in default fields with identifying information that does not vary across participants. If the scorecards are done on paper, the scoring manager can then print out multiple copies and fill in the unique identifying scorecard numbers.

The second step is for the field agent to introduce herself and the scorecard to the participant. Be friendly, and begin the conversation with a script explaining the organization’s interest in learning more about the participant and ensuring confidentiality of the responses. Ask for the participant’s permission to start.

The third step is to administer the scorecard. The field agent should read each question completely and exactly as it is written.

If the participant asks for clarification (or if it is not clear to the field agent which response option corresponds to the participant’s answer), then field agents should proceed based on guidance found in the original enumerator’s manual used in the household survey upon which the scorecard is based (see the Appendix “Guidelines for the Interpretation of Scorecard Indicators” in [http://www.microfinance.com/English/Papers/Scoring_Poverty_Afghanistan_EN_2007_EN.pdf](http://www.microfinance.com/English/Papers/Scoring_Poverty_Afghanistan_EN_2007_EN.pdf)). These instructions—when they are informative—should guide the interpretation of questions and answers. If they are not helpful for a given situation, then—according to the Enumerator Manual for Afghanistan—the field agent should consult with his/her supervisor. For example, suppose the question asks whether the household owns any motorcycles or cars. If the respondent asks whether a small motor taxi constructed from a motorcycle body counts as a motorcycle or a car counts, then the field agent should consult with his/her supervisor. The supervisor will then use his/her best judgment to advise the field agent.

In all cases, field agents should record one response for each question by clearly drawing a circle around the entire response option (not just its letter) and its corresponding points on the paper scorecard. All 10 questions must be answered.
After double-checking that all 10 questions have a response marked, the field agents should thank the participants for their time, repeat that answers will be kept confidential, and inform them that the interview is over.

Most organizations will want to interview a representative sample of their participants. The simplest and most common ways to do this are:

- Interview all participants at all service points
- Interview all participants at a random sample of service points
- Interview a random sample of participants at a random sample of service points

Interviews could take place continuously, or for a period of time (say, one month). When taking a random sample of service points, the likelihood of drawing any given service point should be proportional to its share of the organization’s participants.

**Data Entry and Management**

The Excel workbook has three worksheets that are initially visible to the user:

- **Data_Entry**
- **User_Definitions**
- **Results**

The user can modify `Data_Entry` and `User_Definitions`. The sheet `Results` is generated automatically from information entered in `Data_Entry` and `User_Definitions`.

The user navigates between sheets by using the named tabs at the bottom of the workbook or via the “Poverty Scoring” menu at the top of the screen.

There is also a `Database` worksheet which can be viewed by selecting “View database” from the “Poverty Scoring” menu. If desired, this database can be copied or exported for more detailed analysis.
**Data Entry**

The data-entry interface allows scorecards to input and managed via four buttons.

1. *Submit Responses* checks the responses for completeness and consistency and then records the scorecard in the database
2. *Retrieve Survey* displays a specified scorecard from the database for viewing or modifying
3. *Clear Entries* resets all data-entry fields without recording anything in the database
4. *Delete Entry* deletes a specified scorecard from the database

**Entering data**

Fields for identifying information are at the top of Data_Entry. The fields accept text or numbers. Any default values should be defined in User_Definitions. The user must press <Enter> after inputting the unique scorecard number.

Just below the tracking information appear the 10 scorecard questions and their response options. The questions and responses—and their layout—match those in the paper scorecard. This eases the data-entry process and also allows for the possibility of field agents’ entering scorecard answers into the database in the field in real time.

To input responses, the data-entry operator clicks the radio button next to the relevant response option. All 10 responses are recorded upon clicking *Submit Responses*. If any response is missing, an error message appears and the scorecard is not recorded in the database. Also, successful submission to the database requires having input a unique scorecard number and that all responses are logically consistent.

**Retrieving, modifying, and deleting data**

Clicking *Retrieve Survey* leads to a prompt to type a scorecard number or select one from a menu. The template then populates the current worksheet with the responses recorded for that scorecard, and the user can modify responses or tracking information (including the scorecard number).

If, after making modifications, the user clicks *Submit Responses*, then the modified entry is stored in the database, overwriting any record with the same scorecard number. If the scorecard number already exists, a pop-up box notifies the user and asks for confirmation.

To delete a record from the database, the user clicks *Delete Entry*, types or selects the scorecard number to be deleted, and then confirms the desire to delete.
**User Definitions**

User Definitions allows users to define default values for the identifying fields at the top of the scorecard by typing them into the yellow cells. Those default values then appear in the appropriate fields in the data-entry worksheet.

To facilitate measuring change over time, it is strongly suggested that the following definitions be applied to the first four of the five user-defined fields:

1. Household size
2. Name and identification number of participant
3. Name and identification number of field agent
4. Date the participant joined the organization

**Results**

Results shows the number of cases in the database, the estimated poverty rate among those cases (for various poverty lines), and the estimated number of cases who live in households below the poverty lines. This offers a snapshot of the entity’s outreach to the poor.

**Database**

As noted earlier, Database is hidden when opening the workbook, but users can view it by choosing View Database from the “Poverty Scoring” menu at the top of the screen.

**Documentary details**

**Data**

The scorecard is based on 20,537 households with complete expenditure data in the 2007/8 National Risk and Vulnerability Assessment by Afghanistan’s Central Statistics Organization (CSO) and the Ministry of Rural Rehabilitation and Development.

**Poverty lines**

The national poverty lines are found in:


The USAID “extreme” poverty line is that line which divides people (not households) below the national poverty line into two equal-sized groups.

The lines using 2005 purchase-power parity figures are based on:


and


More details about poverty lines may be found in:


Indicators
The 10 poverty indicators were selected based on the strength of their association with poverty, the likelihood of acceptance by users (as determined by simplicity, cost of collection, and “face validity” in terms of experience, theory, and common sense), sensitivity to changes in poverty status, variety among indicators, and verifiability. Points come from Logit regressions. The Logit coefficients were transformed into non-negative integers such that scores range from 0 (most likely below a poverty line) to 100 (least likely below a poverty line). Scores were divided into twenty ranges (0–4, 5–9, 10–14, etc.) and associated with poverty likelihoods via a look-up table.
## Simple poverty scorecard for Afghanistan

<table>
<thead>
<tr>
<th>Entity</th>
<th>Name</th>
<th>ID</th>
<th>Date (DD/MM/YY)</th>
<th>Joined:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Member:</td>
<td></td>
<td>ID</td>
<td>Date (DD/MM/YY)</td>
<td>Joined:</td>
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<tr>
<td>Field agent:</td>
<td></td>
<td></td>
<td>Date (DD/MM/YY)</td>
<td>Joined:</td>
</tr>
<tr>
<td>Service point:</td>
<td></td>
<td></td>
<td>Date (DD/MM/YY)</td>
<td>Joined:</td>
</tr>
<tr>
<td>Household size:</td>
<td></td>
<td></td>
<td>Date (DD/MM/YY)</td>
<td>Joined:</td>
</tr>
</tbody>
</table>

### Indicator | Value | Points | Score |
--- | --- | --- | --- |
1. How many household members are 16-years-old or younger? A. Seven or more | 0 |
  B. Five or six | 4 |
  C. Four | 9 |
  D. Three | 12 |
  E. Two | 17 |
  F. One | 23 |
  G. None | 29 |
2. Can both the male head/spouse and the female head/spouse read and write? A. No male head/spouse | 0 |
  B. No female head/spouse | 5 |
  C. No | 5 |
  D. Yes | 11 |
3. What type of dwelling best describes where the household lives? A. Temporary shelter/shack, part of a shared house, separate apartment, shared apartment, tent, or other | 0 |
  B. Single-family house | 3 |
4. How many rooms (both exclusively yours and shared) does your household occupy (exclude corridors and balconies)? A. One to four | 0 |
  B. Five or more | 4 |
5. Which main toilet facility does the household use? A. None (open field, bush) or sahrahi, dearan (area inside or outside compound but not pit), or other | 0 |
  B. Open pit | 5 |
  C. Traditional covered latrine | 6 |
  D. Improved latrine, or flush latrine | 11 |
6. In the past 30 days, what has been the household’s main source of cooking fuel? A. Animal dung, scavenged material/trash, bushes (ping)/twigs, branches, or other | 0 |
  B. Crop residues, firewood, charcoal/coal, kerosene or oil, gas, or electricity | 4 |
7. How many stoves/gas cylinders does the household own? A. None | 0 |
  B. One | 1 |
  C. Two or more | 9 |
8. Does the household own any sewing machines? A. No | 0 |
  B. Yes | 3 |
9. Does the household own any motorcycles or cars? A. No | 0 |
  B. Motorcycle only | 12 |
  C. Car (regardless of motorcycle) | 22 |
10. Did anyone in the household own or have access to any irrigated land in the most recent summer cultivation season, excluding a garden plot? A. No | 0 |
  E. Yes | 4 |

Look-up table for converting scores to poverty likelihoods, by poverty line, simple poverty scorecard for Afghanistan

<table>
<thead>
<tr>
<th>Score</th>
<th>National 100%</th>
<th>National 150%</th>
<th>National 200%</th>
<th>USAID 'Extreme'</th>
<th>Intl. 2005 PPP $1.25</th>
<th>Intl. 2005 PPP $2.50</th>
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<tr>
<td>0–4</td>
<td>100.0</td>
<td>100.0</td>
<td>100.0</td>
<td>100.0</td>
<td>100.0</td>
<td>100.0</td>
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<td>5–9</td>
<td>68.8</td>
<td>90.2</td>
<td>96.7</td>
<td>44.4</td>
<td>22.2</td>
<td>79.0</td>
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<tr>
<td>10–14</td>
<td>66.1</td>
<td>89.5</td>
<td>96.5</td>
<td>39.2</td>
<td>19.5</td>
<td>82.8</td>
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<tr>
<td>15–19</td>
<td>59.5</td>
<td>89.1</td>
<td>97.2</td>
<td>35.2</td>
<td>13.6</td>
<td>79.9</td>
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<tr>
<td>20–24</td>
<td>51.3</td>
<td>85.5</td>
<td>96.4</td>
<td>28.8</td>
<td>10.7</td>
<td>72.5</td>
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<td>25–29</td>
<td>43.5</td>
<td>81.1</td>
<td>93.2</td>
<td>20.0</td>
<td>6.8</td>
<td>68.6</td>
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<td>30–34</td>
<td>31.9</td>
<td>74.5</td>
<td>90.4</td>
<td>13.6</td>
<td>3.6</td>
<td>57.3</td>
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<td>0.5</td>
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<td>12.9</td>
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