

DESCRIPTION OF THE CD-ROM WITH THE DATA FROM THE IRAQ HOUSEHOLD SOCIO-ECONOMIC SURVEY 2007 (IHSES-2007)¹

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In order to develop an effective poverty reduction policies and programs, Iraqi policy makers need to know how large the poverty problem is, what kind of people are poor, and what are the causes and consequences of poverty. Until recently, they had neither the data nor an official poverty line. (The last national income and expenditure survey was in 1988)

In response to this situation, the Iraqi Ministry of Planning and Development Cooperation established the Household Survey and Policies for Poverty Reduction Project in 2006, with financial and technical support of the World Bank. The project has been led by the Iraqi Poverty Reduction Strategy High Committee, a group which includes representatives from Parliament, the prime minister's office, the Kurdistan Regional Government, and the ministries of Planning and Development Cooperation, Finance, Trade, Labor and Social Affairs, Education, Health, Women's Affairs, and Baghdad University. This group has been led by Dr. Mehdi Al Alak, Deputy Minister of Planning.

The Project has consisted of three components:

- Collection of data which can provide a measurable indicator of welfare, i.e. the Iraq Household Socio Economic Survey (IHSES). The data and supporting documents are contained in this CD.
- Establishment of an official poverty line (i.e. a cut off point below which people are considered poor) and analysis of poverty (how large the poverty problem is, what kind of people are poor and what are the causes and consequences of poverty). For more information and a copy of the poverty analysis report, contact the Iraqi Central Organization for Statistics and Information Technology (COSIT <http://cosit.gov.iq/english/>) or the World Bank for a copy of the poverty analysis report. (Correspondence for the World Bank can be sent to Susan Razzaz at srazzaz@worldbank.org).
- Development of a Poverty Reduction Strategy, based on a solid understanding of poverty in Iraq. For more information contact COSIT or the World Bank.

The CD ROM contains IHSES 2007 data and related documentation.

The material is organized into 4 folders:

- 01- Questionnaire
- 02- Raw data
- 03- Constructed data
- 04- Tabulation report

In the following, we describe the contents of the above folders.

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Section 1: Questionnaire

The questionnaire collects information for all members of the household on demographic characteristics, education, employment, health and fertility. It also collects household level information on housing, food expenditures, non-food expenditures, agriculture, benefits, household durables, income, etc.

01-questionnaire		
file name	format	questionnaire sections included in the file
IHSES-F1	(1)	household roster, rations, housing, education, health, hobbies, job search and past employment
IHSES-F2	(1)	expenditure in the last 30 days, last 90 days, last 12 months
IHSES-F3	(1)	daily expenditures, jobs during last 12 months, wage earnings, non wage earning activities, income from property and transfers, durable goods, loans credits and assistance, risks
IHSES-F4	(1)	diary
IHSES-F5	(1)	time use sheet

(1) Microsoft Office Excel 2007.

The arabic version of the questionnaire can be downloaded here:

<http://siteresources.worldbank.org/INTMENAINARABIC/Resources/Volume3IHSES-Arabia-part3.pdf>

Section 2: Raw Data

This folder contains the data sets received from the Data Analysis Unit (DAU) of the COSIT. The DAU has accurately and consistently edited the data coming from the field, following a number of stages. Details on the procedure can be seen in Section 5 of the Tabulation Report.

02-raw data		
File name	format	Content
spss_raw data	(1)	original raw data sets in spss format
spss_constructed data	(1)	constructed data sets in spss format
spss_syntax	(2)	syntax files used to produce the constructed data sets
stata_raw data	(3)	original raw data sets in stata format
stata_constructed data	(3)	constructed data sets in stata format

- (1) sav files (compressed as winRAR zip file). SPSS version: 12
- (2) spss datasets (compressed as winRAR zip file). SPSS version: 12
- (3) stata dataset files (compressed as winRAR zip file). Stata version: 10.1

Please address any questions on the above data to Mr. Ayad J. Hassan (ayadgh_74@yahoo.com), director of the DAU.

Section 3: Constructed Data

This folder contains two data sets with a selection of the variables constructed by the World Bank team in the process of analyzing poverty in the country.

03 – constructed data					
file	format	content	observations	number of variables	identifiers
wfile	(1)	selected constructed variables at the household level	17,822	102	hhid
windfile	(1)	selected constructed variables at the individual level	127,189	79	hhid indid

(1) Stata dataset. Stata version: 10.1

Highlights:

Unit of analysis

wfile.dta contains data at the *household* level, while in windfile.dta data are at the *individual* level.

Welfare aggregate

The variable “pcef” contains the welfare aggregate used throughout the poverty assessment report. “pcef_” variables refer to household expenditures.

All variables are in *real* terms, that is, they have been adjusted for inflation and differences in the cost of livings across Iraqi governorates by using a temporal and spatial consumer price index.

All pcef-variables are in 1,000 Iraqi Dinars (ID), per person, per month.

```
. use wfile, clear
(IHSES 2007 - household level data (constructed))
. sum pcef* [aw=weight*hsize]
```

Variable	Obs	weight	Mean	Std. Dev.	Min	Max
pcef	17822	30097000	126.9443	78.68135	20.01146	1793.499
pcef_food_nr	17822	30097000	42.79269	26.87548	1.224344	759.0577
pcef_food~n	17822	30097000	10.95077	2.810634	0	143.2589
pcef_food	17822	30097000	53.74345	26.63999	9.65973	769.4671
pcef_rations	17822	30097000	11.60625	2.880377	0	144.4977
pcef_liqtob	17822	30097000	1.032943	2.062788	0	77.59582
pcef_housing	17822	30097000	26.39508	29.6611	0	889.4636
pcef_utili~s	17822	30097000	10.896	11.52221	0	533.228
pcef_cloth~g	17822	30097000	9.861567	9.308241	0	139.8005
pcef_house~d	17822	30097000	4.607995	6.599491	-.6646491	615.0825
pcef_health	17822	30097000	3.173653	11.55983	0	1531.004
pcef_educat~n	17822	30097000	1.316754	4.241634	0	131.6488
pcef_trans~t	17822	30097000	6.027341	11.02643	-4.28e-06	632.5933
pcef_commu~n	17822	30097000	3.643134	4.621723	-1.55e-06	105.2244
pcef_recre~n	17822	30097000	1.792775	13.69013	0	1605.593
pcef_other	17822	30097000	2.546867	2.600846	-3.43e-07	55.21953
pcef_durab~s	17822	30097000	5.080336	7.007783	0	316.2448

Poverty line

The variable “ztot” contains the poverty line, which is equal to 76,896 ID/person/month.

Expansion factors (weights)

The variable “weight” is the expansion factor for households.

By using wfile.dta one gets

$$\sum_{h=1}^{17,822} weight = \hat{N}_h = 4,385,047$$

where h denotes the h -th household in the sample and \hat{N}_h is the (estimated) number of households in the country.

By multiplying the variable `weight` by the variable `hsize` (household size) one obtains the expansion factors for *individuals*. Using `wfile.dta` one may wish to check that

$$\sum_{h=1}^{17,822} weight * hsize = \hat{N}_i = 30,097,000$$

Where h denotes the household and \hat{N}_i is the (estimated) number of individuals in the country.

Equivalently, by using `windfile.dta` one gets:

$$\sum_{i=1}^{127,189} weight = \hat{N}_i = 30,097,000$$

Where i denotes the i -th individual in the sample and \hat{N}_i is the (estimated) number of *individuals* in the country.

Example 1: to calculate the mean expenditure on food *per household*

```
. use wfile, clear
(IHSES 2007 - household level data (constructed))
. sum pcef_food [aw=weight]
```

Variable	Obs	weight	Mean	Std. Dev.	Min	Max
pcef_food	17822	4385047.32	60.39349	34.06142	9.65973	769.4671

Example 2: to calculate the mean expenditure on food *per person* (two possibilities)

2.1) using `wfile.dta`

```
. use wfile, clear
(IHSES 2007 - household level data (constructed))
. sum pcef_food [aw=weight*hsize]
```

Variable	Obs	weight	Mean	Std. Dev.	Min	Max
pcef_food	17822	30097000	53.74345	26.63999	9.65973	769.4671

2.2) using `windfile.dta`

```
. use windfile, clear
(IHSES 2007 - individual level data (constructed))
. sum pcef_food [aw=weight]
```

Variable	Obs	weight	Mean	Std. Dev.	Min	Max
pcef_food	127189	30097000	53.74345	26.63935	9.65973	769.4671

Section 4: Tabulation Report

This is the first output of the Poverty Reduction Strategy Project

Vol.1: Objectives and methodology

Vol.2: Data tables

Vol.3: Annexes

Information on sample design, data quality, survey methodology and field manual can be found in vol.1