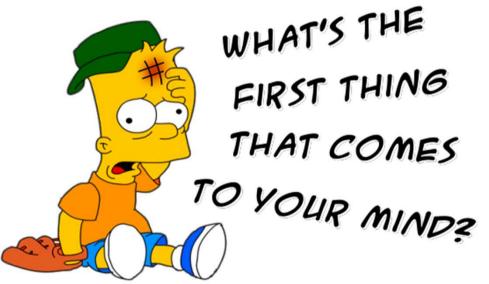
USING POPULATION SURVEYS TO MEASURE AND MONITOR POVERTY : EVEWITNESS TESTIMONY

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FACULTY OF ECONOMICS AND POLITICAL SCIENCE– CAIRO UNIVERSITY AND CAPMAS APPLYING QUANTITATIVE ANALYSIS TO DEVELOPMENT ISSUES BIBLIOTHECA ALEXANDRINA (18–19 FEBRUARY 2018)

When you think about ending poverty.....



For many people, it is: building schools and roads, developing effective safety net programs, improving health facilities, and so forth.....



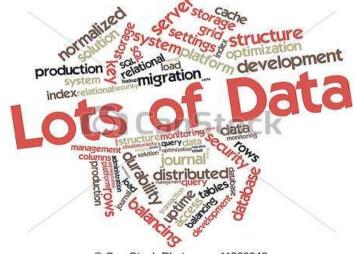
But

- How do we know where to build these roads and schools?
- How do we know where and which kinds of deprivation exist, in order to design safety net programs that actually work?
- How do we find out who needs health facilities?

THE ANSWER IS







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Provide a snapshot of.

How HIECS and the Population Census produced by CAPAMS were used to improve our understanding about poverty related issues.

Objective

Provide a snapshot of:

- How HIECS and the Population Census produced by CAPAMS were used to improve our understanding about poverty related issues.
- How this understanding helped the Egyptian policy makers to better design policies related to poverty during the last two decades



1) The findings of studies using these datasets have better informed the public dialogue, and provided evidence-based justification of the needed policy changes.

Main Messages

1) The findings of studies using these datasets have better informed the public dialogue, and provided evidence-based justification of the needed policy changes.

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Vithout CAPMAS making these datasets accessible, and without software, like PovCal, PovMap, ADePT, etc.., all these uses and their implications could not have been possible, and timely.

Main Messages

1) The findings of studies using these datasets have better informed the public dialogue, and provided evidence-based justification of the needed policy changes.

- Vithout CAPMAS making these datasets accessible, and without software, like PovCal, PovMap, ADePT, etc.., all these uses and their implications could not have been possible, and timely.
- ▶ 3) There is still a lot to explore from these datasets.

Outline

- 1) Measuring Poverty and Well-Being
- 2) Who are the Poor?
- 3) Distribution and Inequality
- 4) Who benefit and How much of What?

Diagnostic Tool

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Targeting the poor

Policy Tool



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The presentation is not about the evolution of poverty or inequality in Egypt, nor about the methodologies and methods of calculations No focus or explanation of the numbers/evolution.

The presentation is about

how CAPMAS surveys were used to help fighting poverty.

Household surveys in Egypt

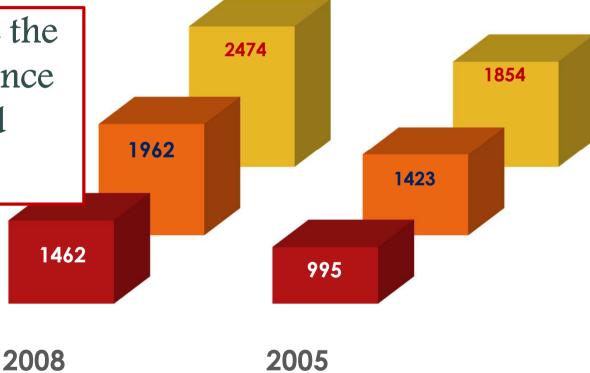
Household Income, Expenditure and Consumption Survey (HIECS) (every five years between 2000 and 2008/2009, and every other year since then).

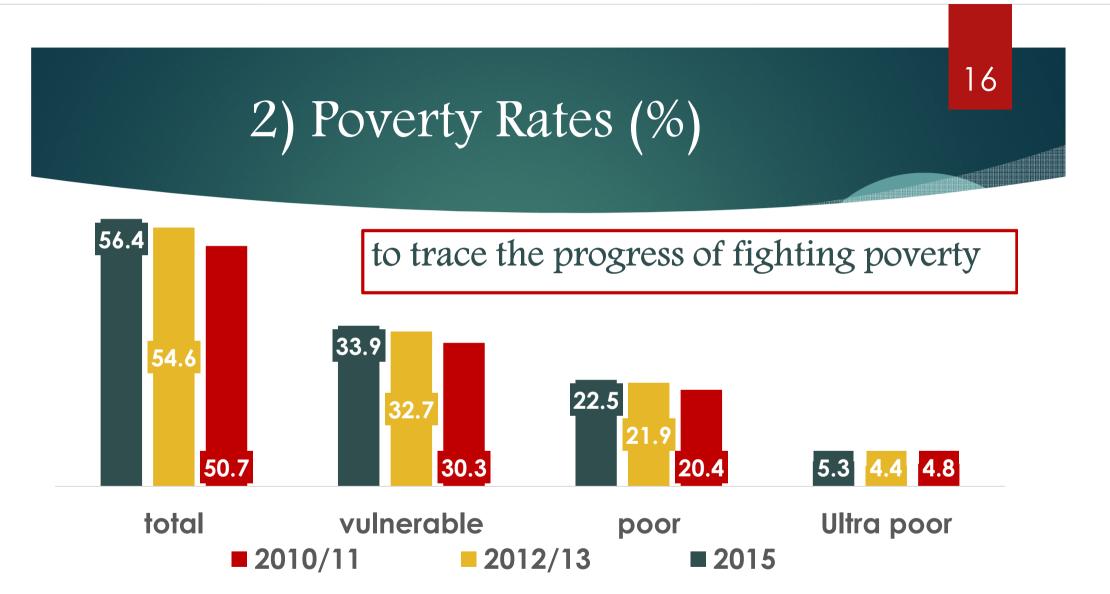
- Labor Market Survey (every quarter).
- Population Census (every decade).



1) Poverty Lines in 2005 prices (LE)

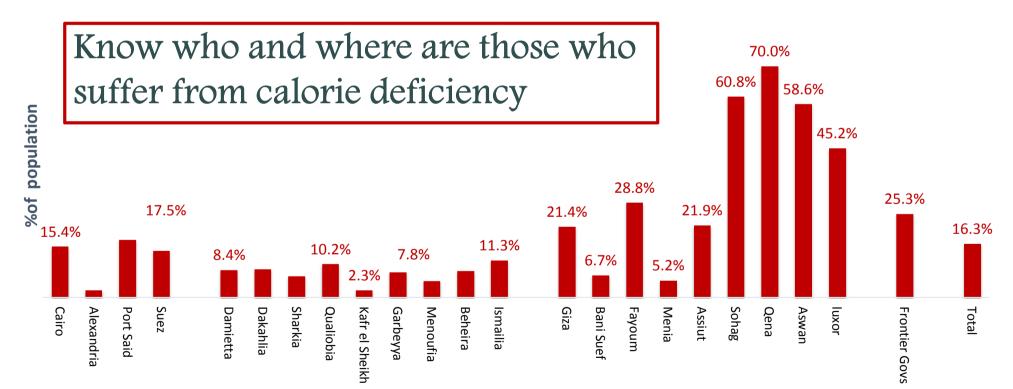
v. Useful to determine the level of needed assistance for any of the targeted groups.



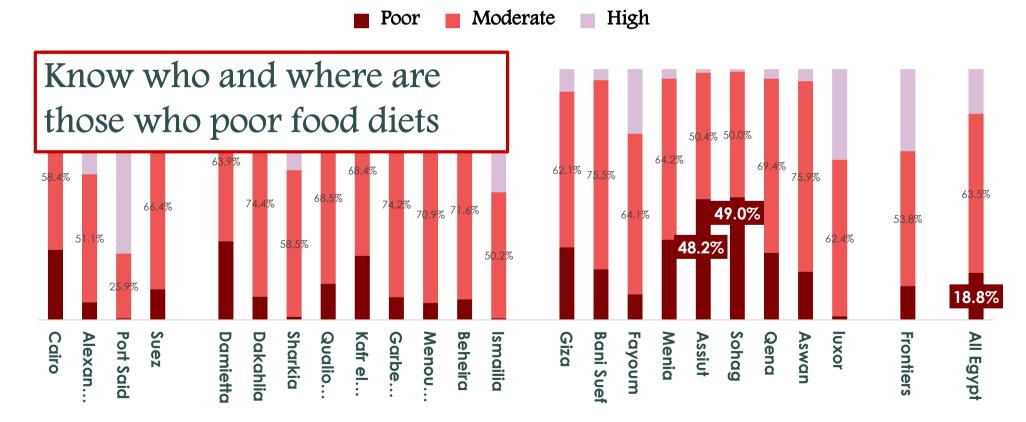


3) Food security status. Accessibility

Prevalence of Daily Per Capita Energy Deficit - 2015

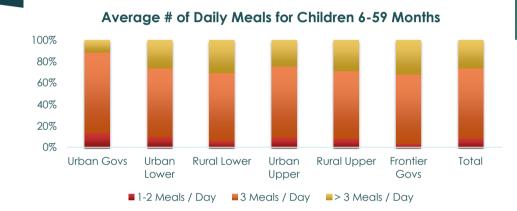


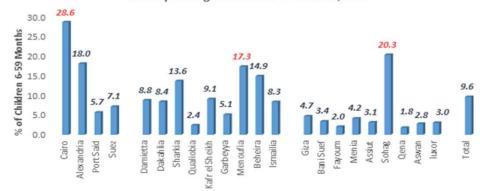




% of Households

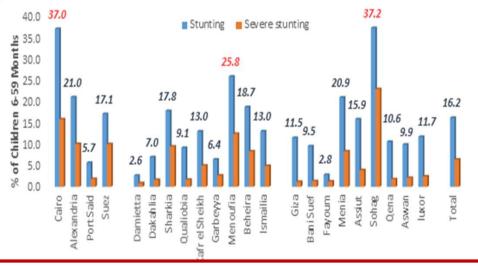
3) Malnutrition amongst children





Obesity Amongst Children 6-59 Months, 2015

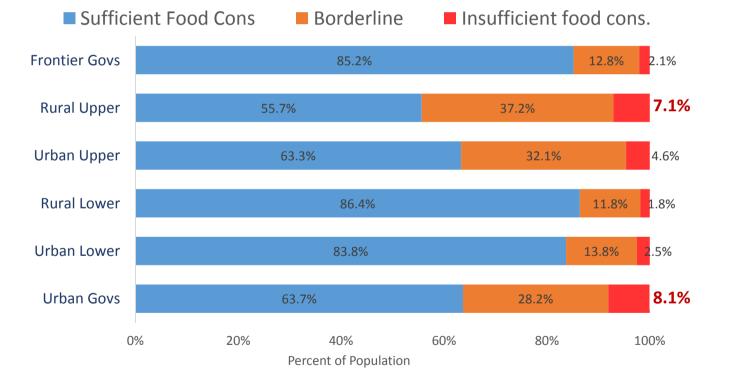
Stunting Amongst Children 6-59 Months, 2015



Know # of daily meals for children, and obesity and stunting among them, by governorate

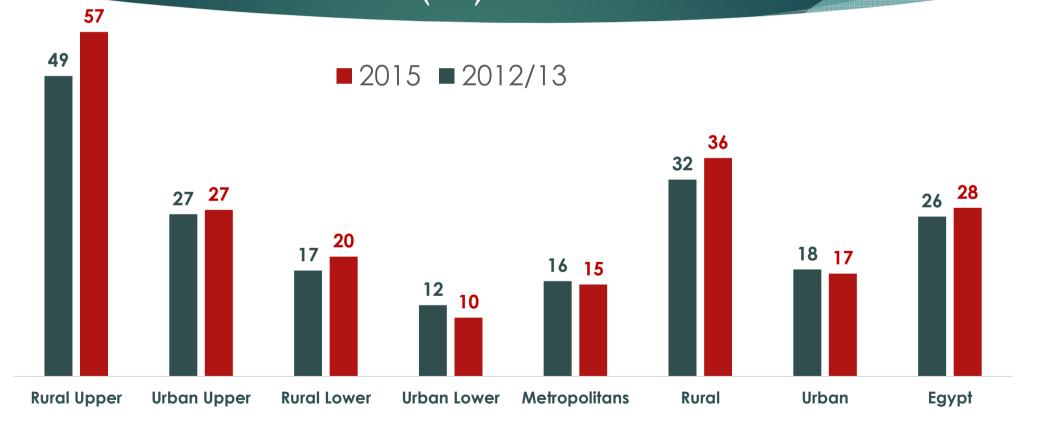
3) Household perceptions on sufficiency of food consumption

Urban governorates and Rural Upper Egypt have the highest prevalence of households reporting insufficient food consumption in 2015 (8.1% and 7.1% respectively).

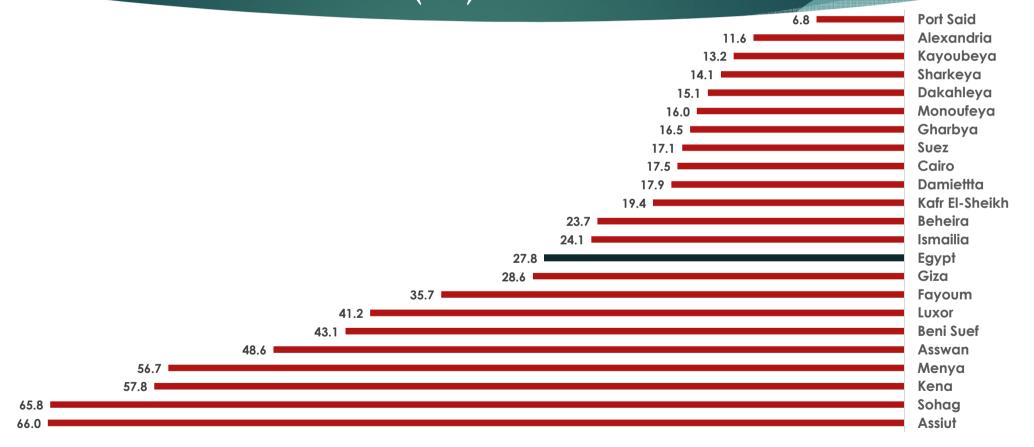


II- WHO ARE THE POOR IN EGYPT? POVERTY PROFILE AND DETERMINANTS

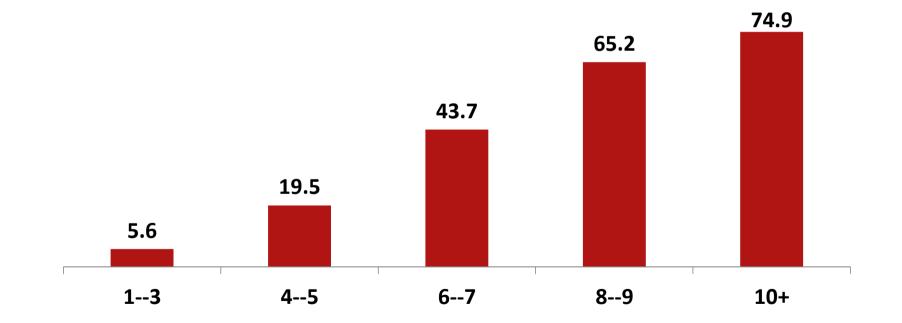
1) Where are the poor? Poverty Rates (%)- by region



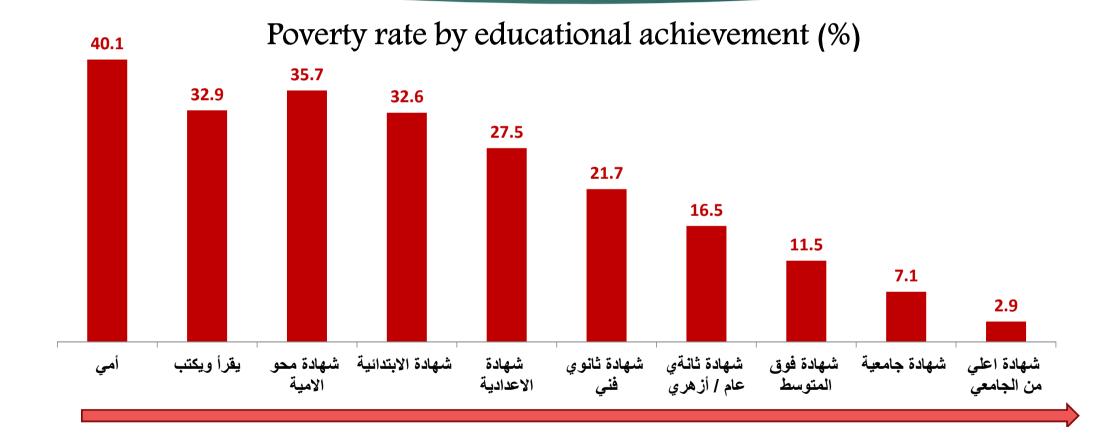
1) Where are the poor? Poverty Rates (%)- by governorate



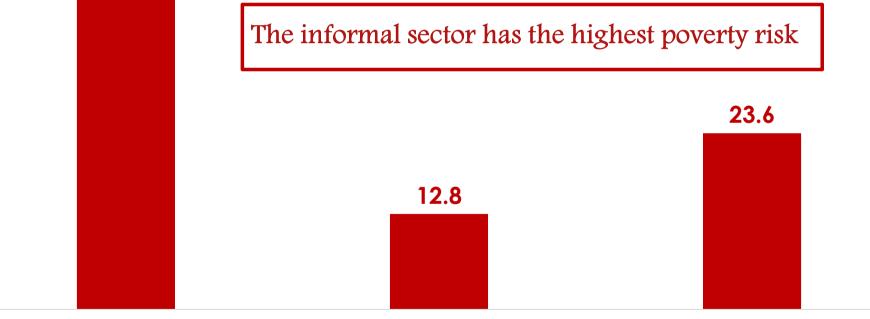
2) Larger households are at a higher risk of poverty



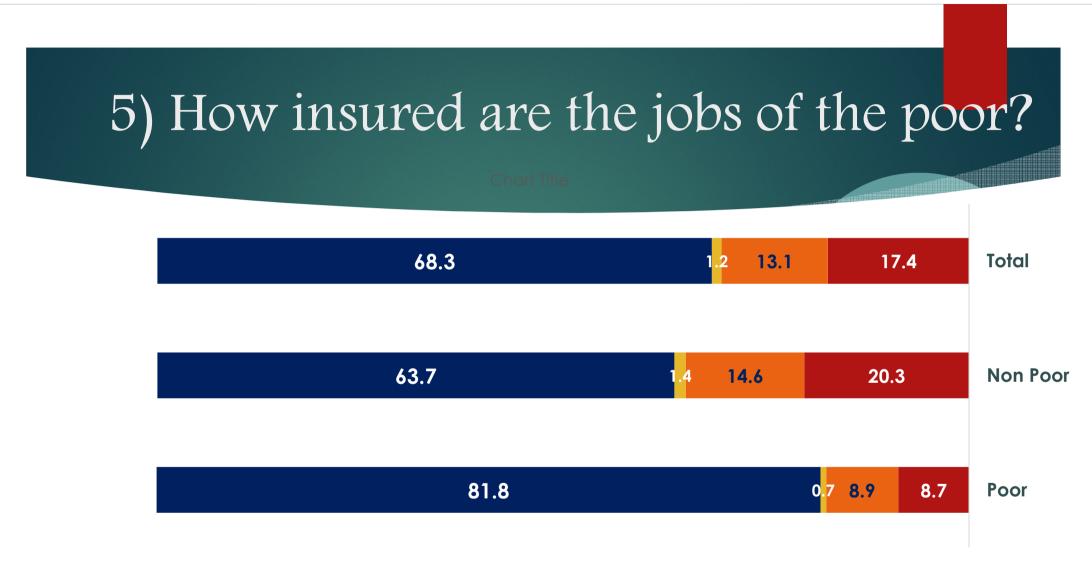
3) Low educational attainment is a key ²⁵ determinant of poverty







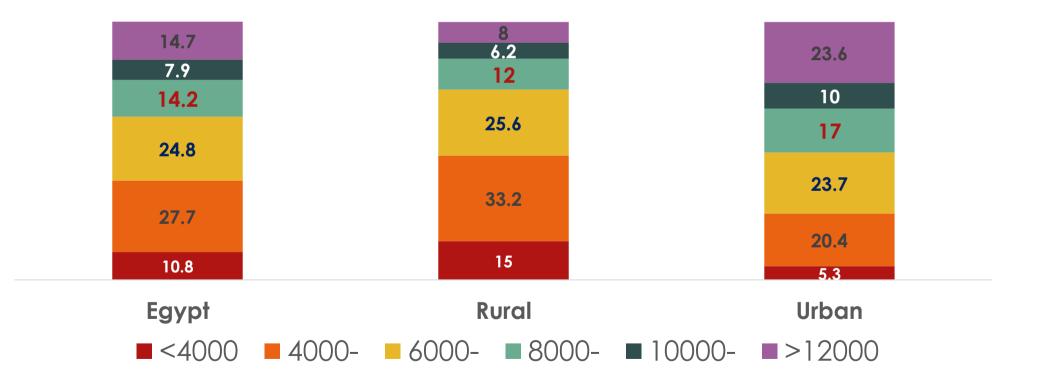
outside est. gov and public private



■ contributor ■ benificiary ■ contributo and benificiary ■ non-contributor and non-beneficiary



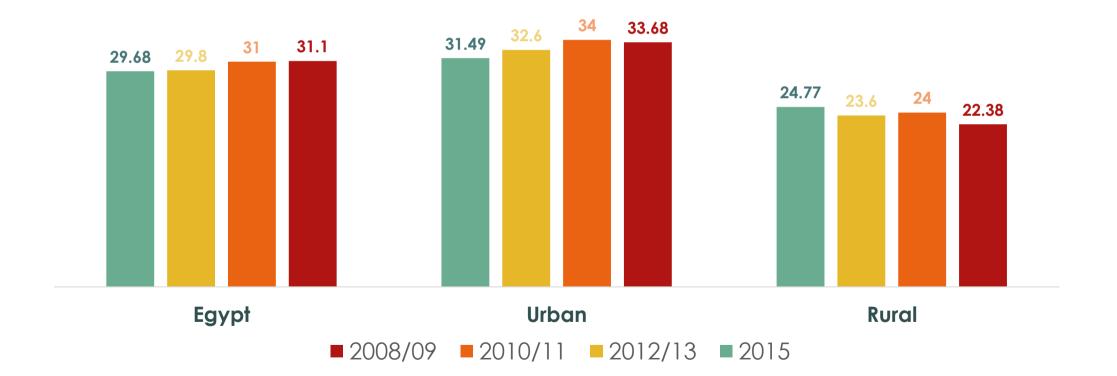
1) How individuals are distributed according to their per capita expenditure?



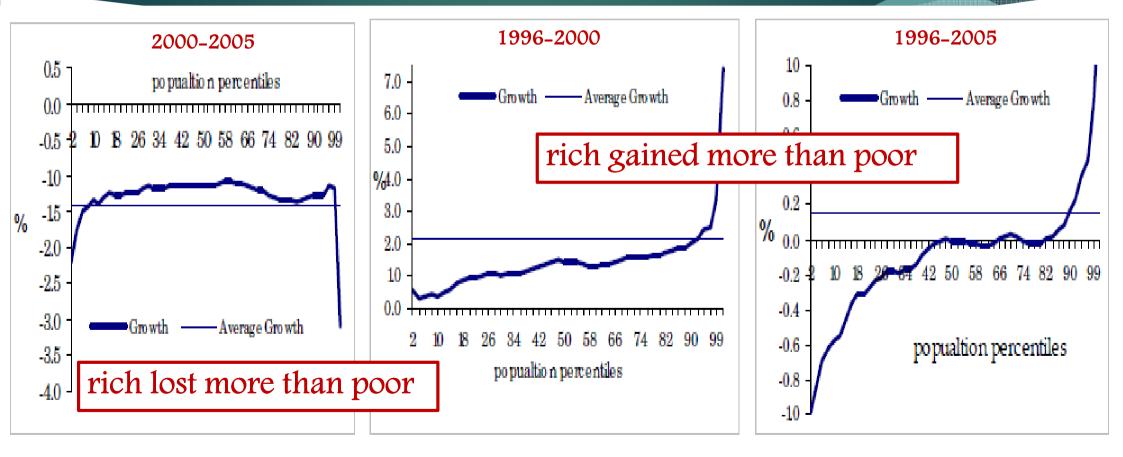
2) Share in Total Consumption (%)



3) Gini Coefficient



4) How pro-poor was economic growth?



5) Measuring Inequality of Opportunities

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The HOI measures how child's circumstances (i.e. place of

residence, gender and education of household head) can affect

his/her access to basic goods and services (such as water,

education, electricity and sanitation.), affecting that affect the

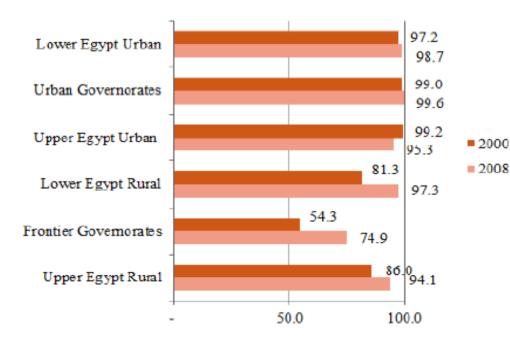
human capital.

Equality of opportunities is seen as part of the development process itself

5) Measuring Inequality of Opportunities

Basic Services

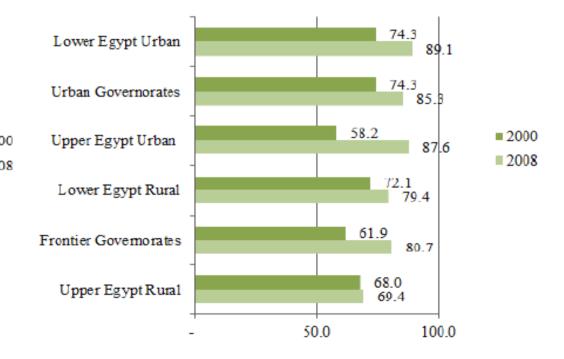
Access to improved water



Educational Enrollment

34

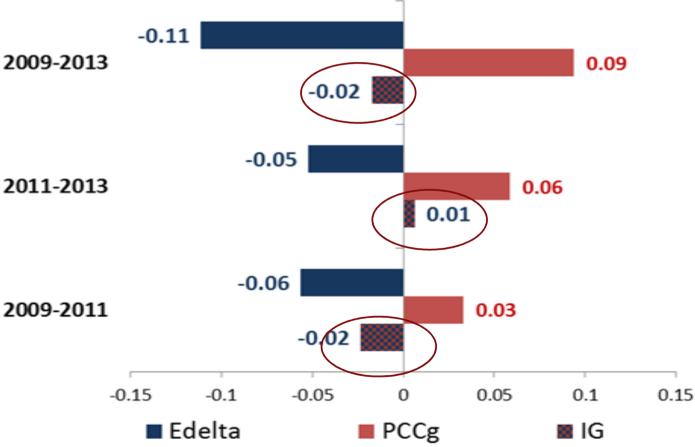
Completing 6th grade on time



6) Examining whether growth is inclusive

By decomposing inclusive growth into welfare growth and change in equity,

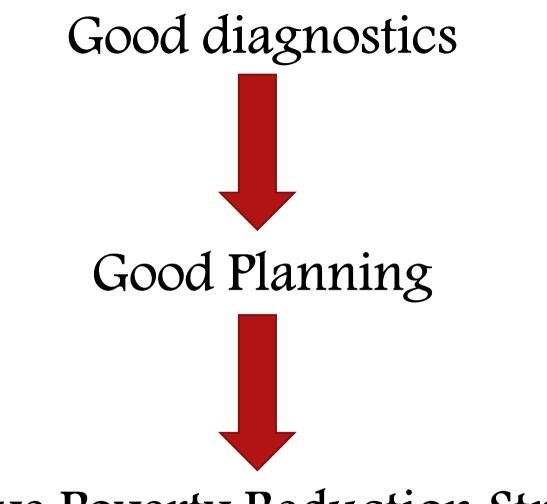
we can portray the evolution of inclusive growth and the relative contributions of growth and equity



7) Examining Social Mobility- Panel Data

De	eciles	1 st	2	3	4	5	6	7	8	9
1 st poorest		32	21	15	13	7	6	4	2	1
	2	23	15	15	14	10	10	7	4	1
	3	13	16	16	13	15	11	7	5	3
	4	12	12	14	14	11	13	11	8	4
	5	7	12	11	15	17	12	14	7	4
	6	5	9	10	11	12	11	14	14	10
	7	3	5	6	8	13	12	17	17	12
	8	2	4	5	5	8	14	14	20	16
	9	2	2	3	з	4	7	9	17	31
10 th richest	How high/low is mobility of Egyptians between different									21
	steps of the social ladder?									

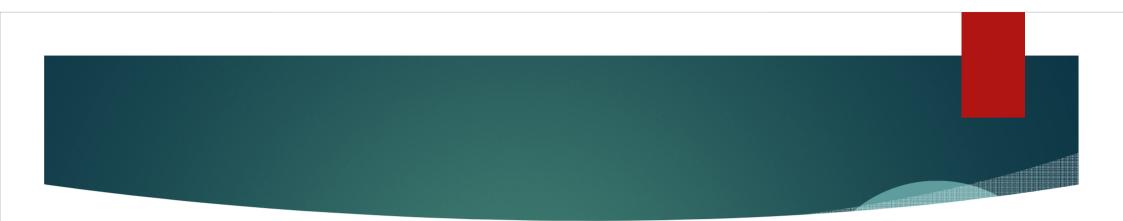
Deciles of modeled consumption in 2008



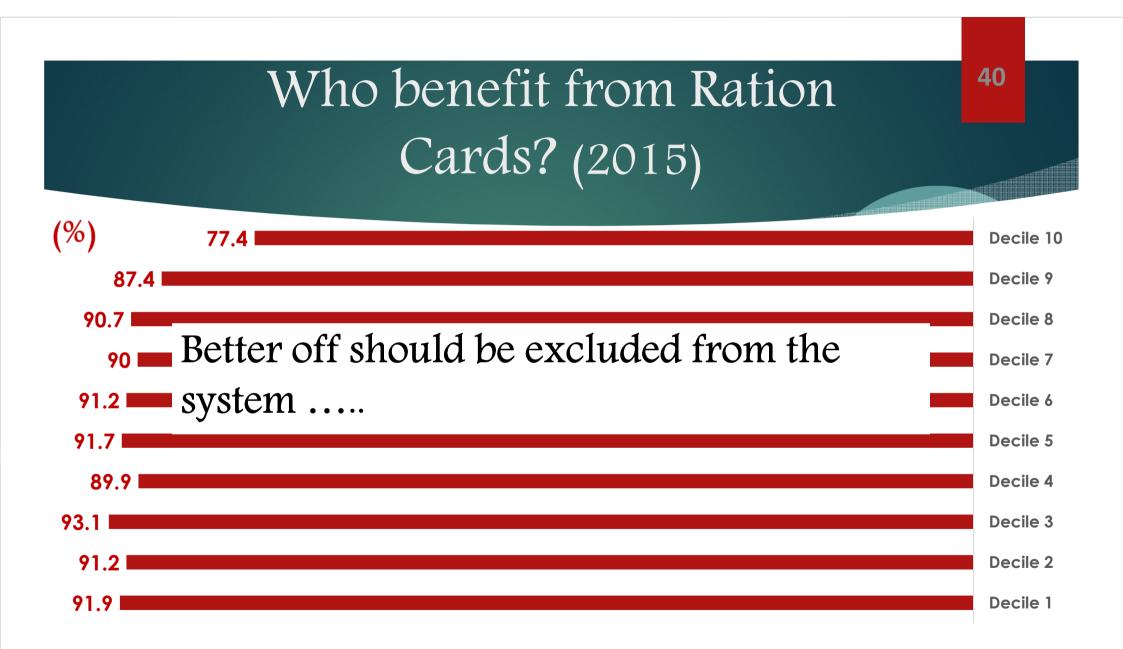


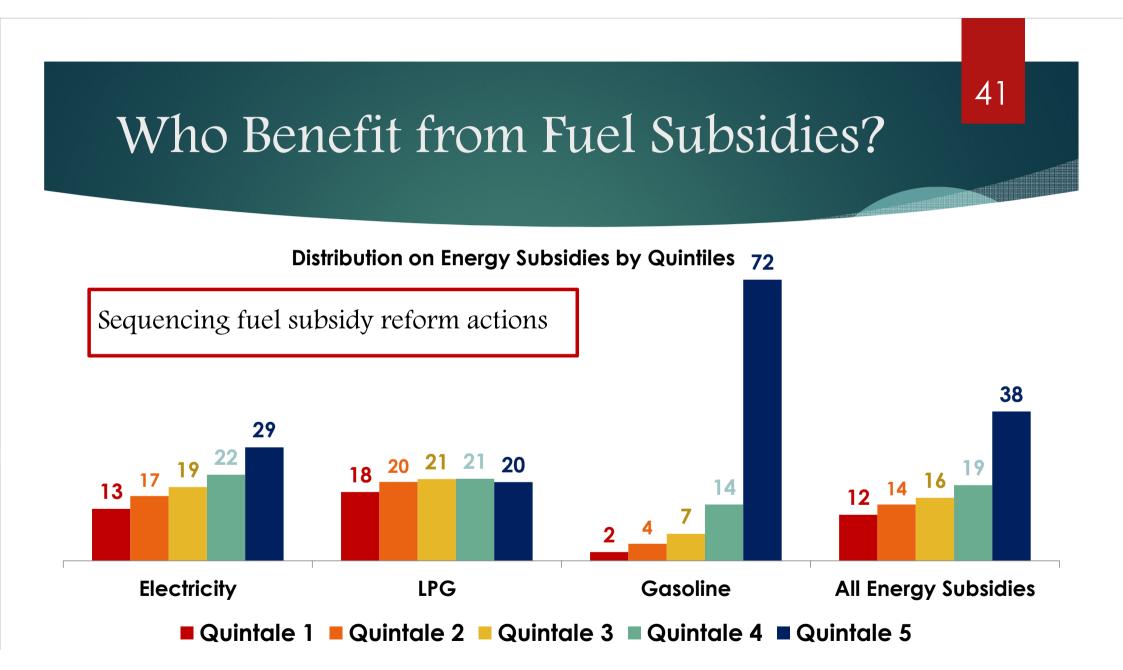
Effective Poverty Reduction Strategy

IV- Who benefit and How much of What? Benefit Incidence

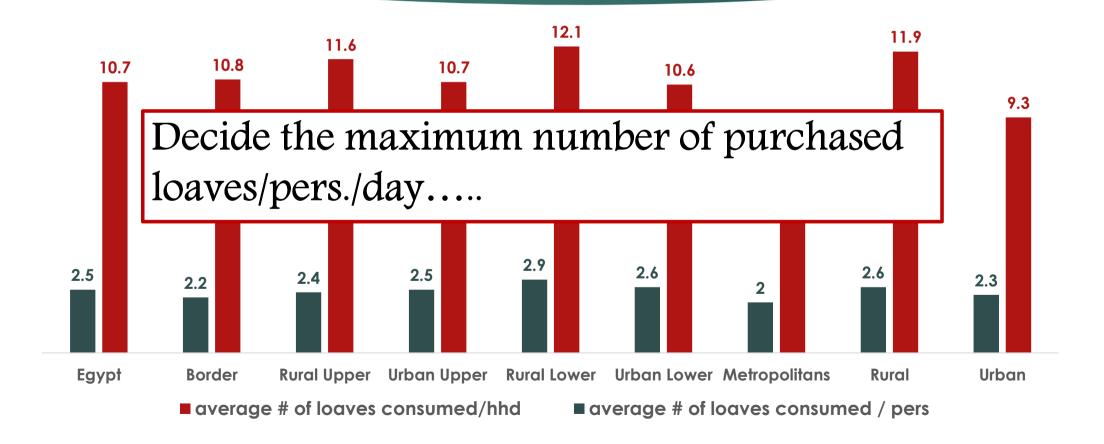


Food and Fuel Subsidies

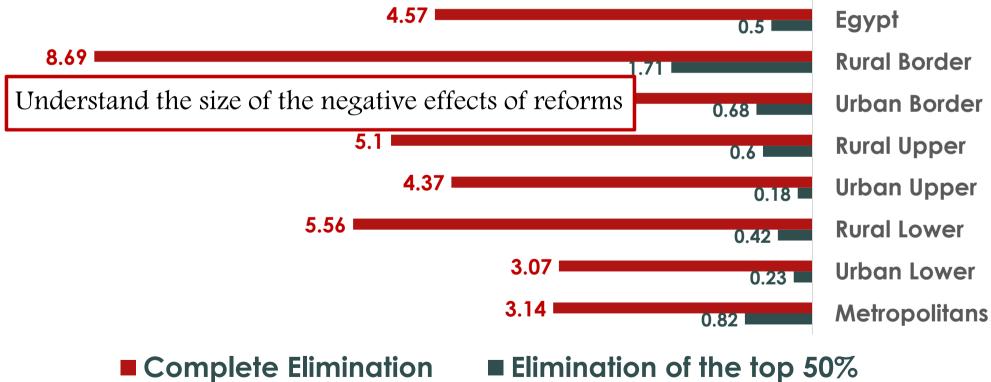




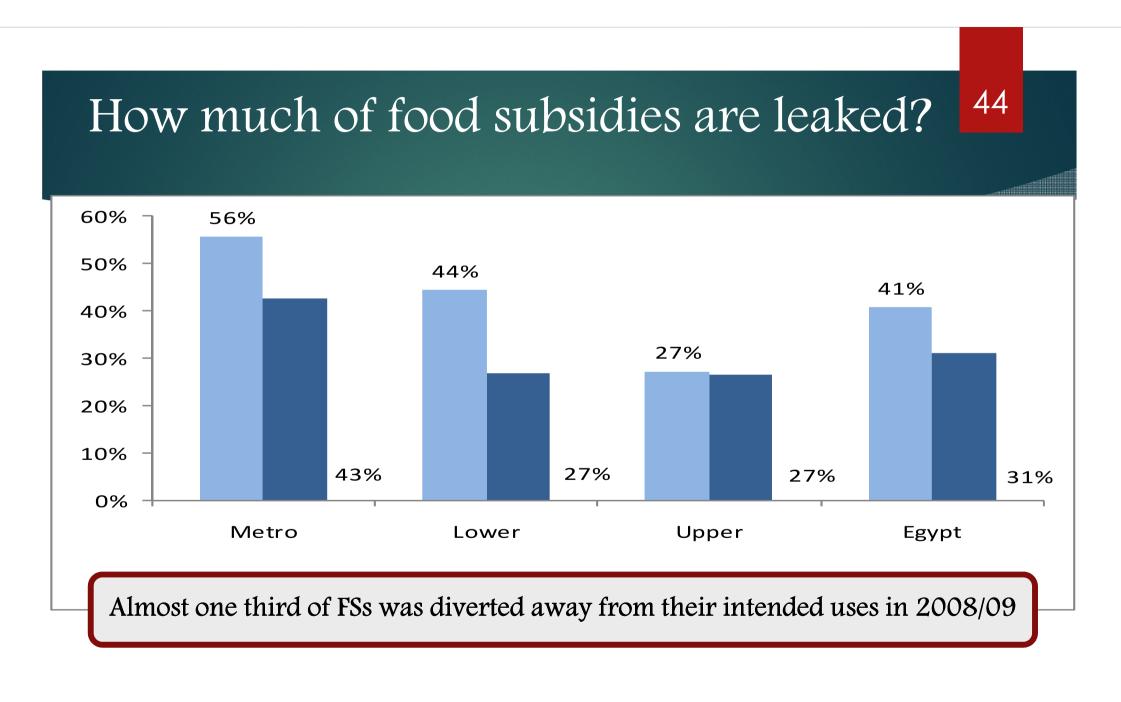
Number of Consumed subsidized Loaves



Poverty Impact of Food Subsidy Elimination



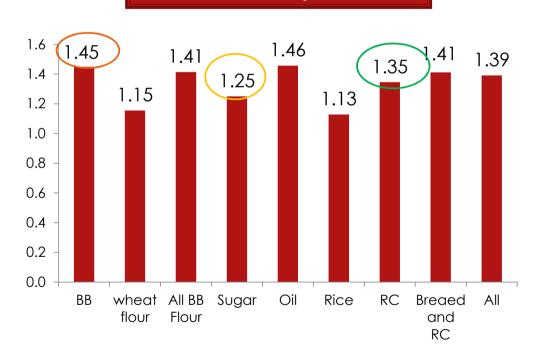
Elimination of the top 50%



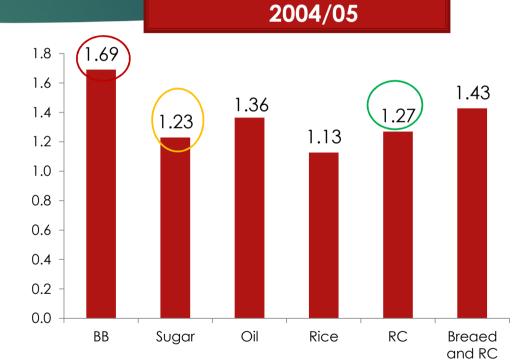
What is the fiscal cost of subsidy leakages? 45 (Billion LE)



How much does it cost to deliver LE 1 of 46 food subsidies to consumers over time?

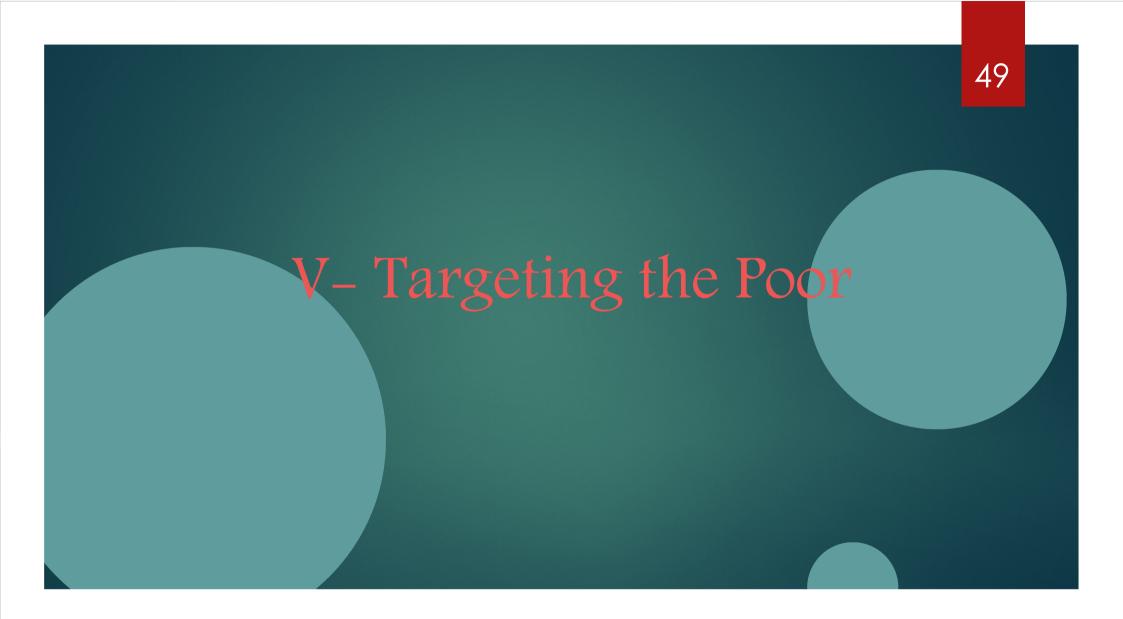


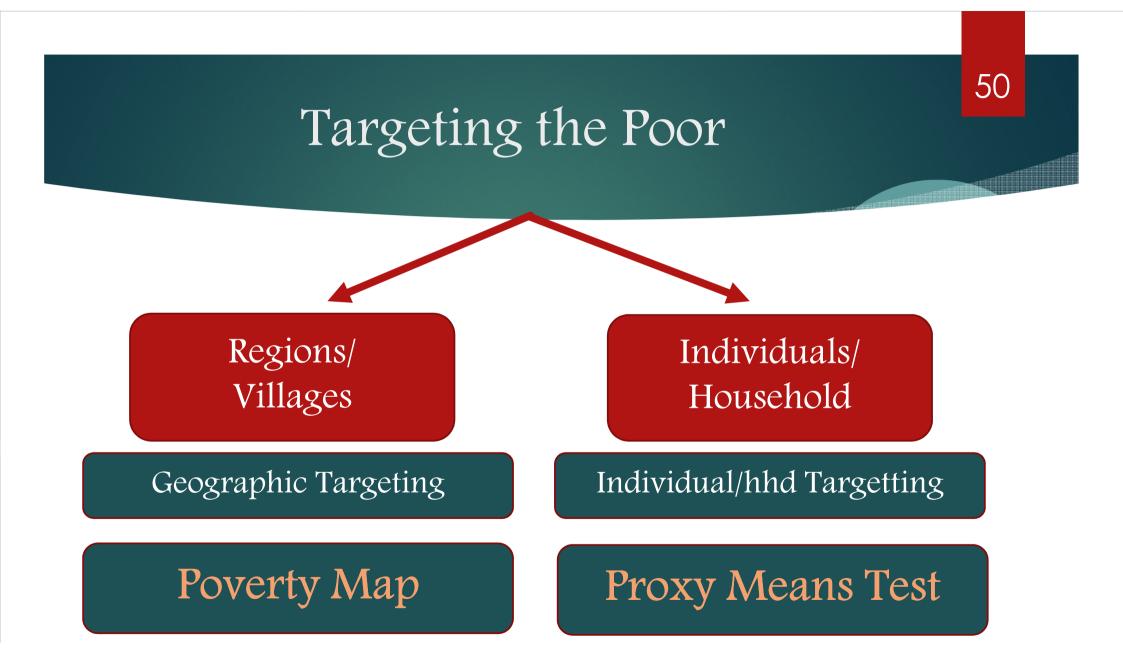
2008/09

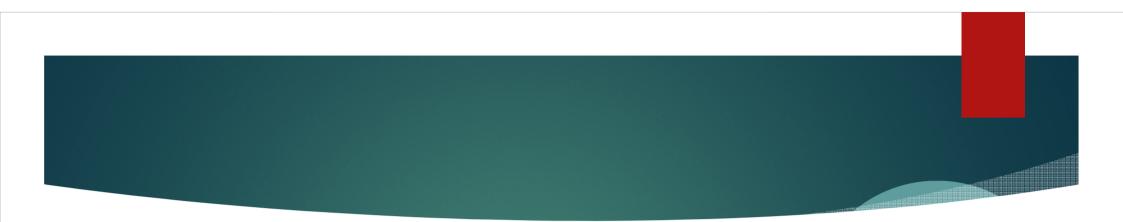






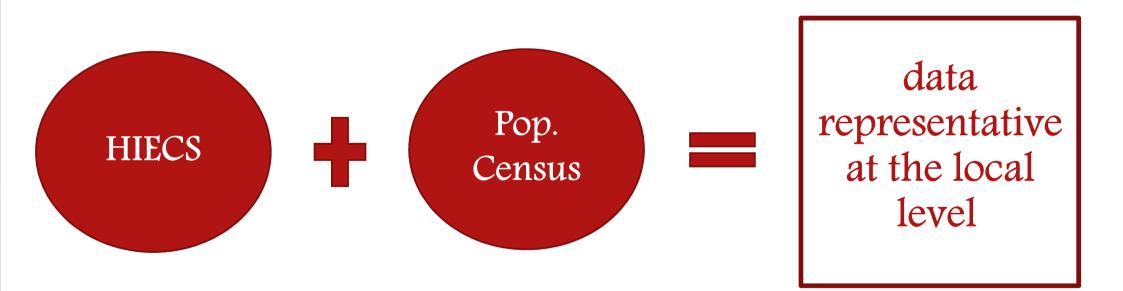


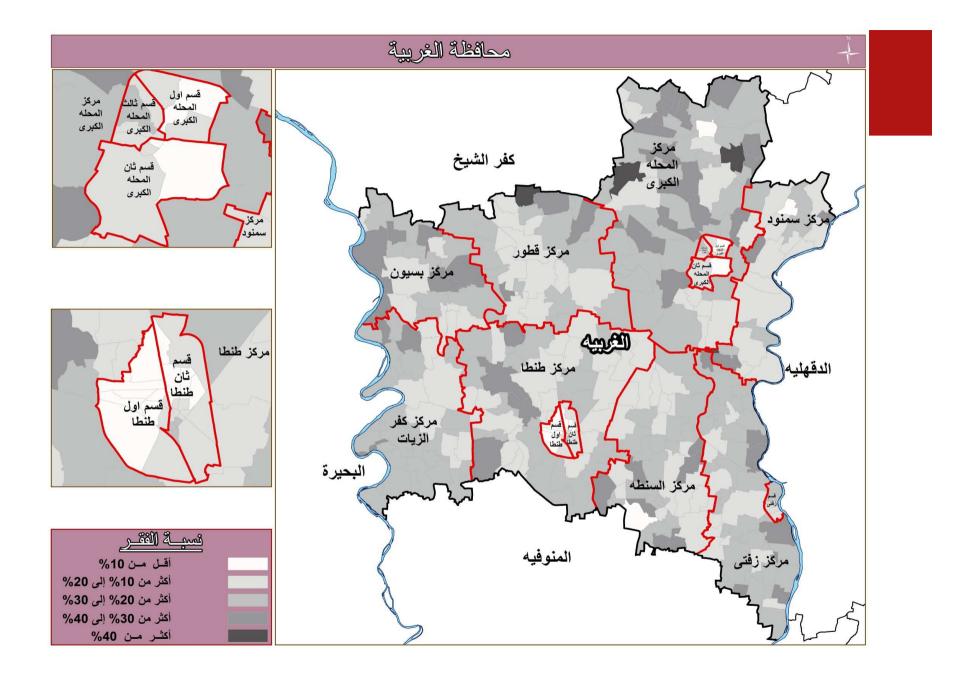


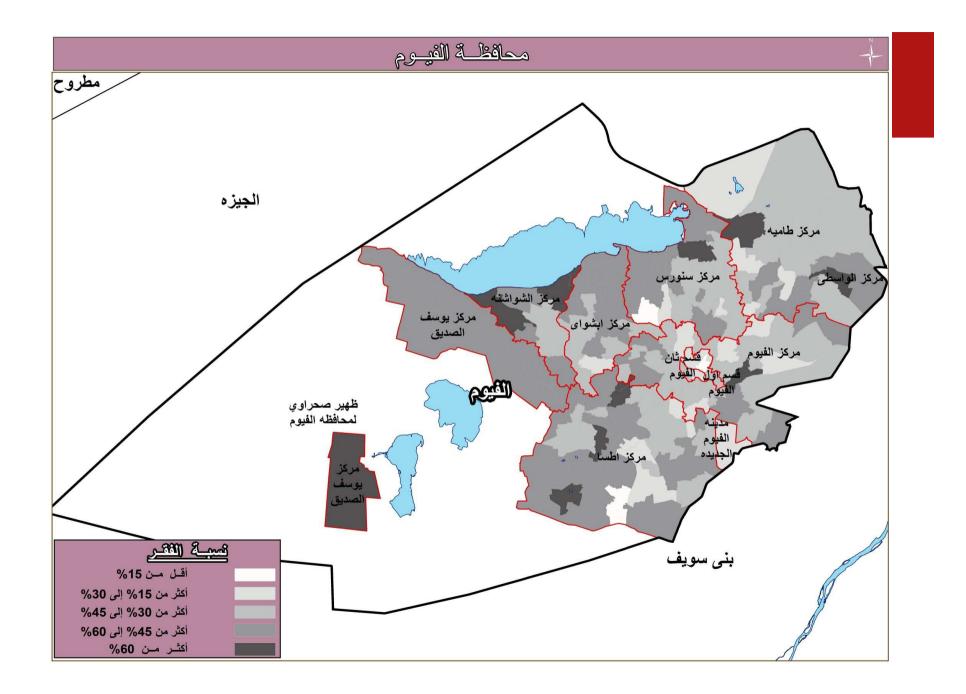


Poverty Map

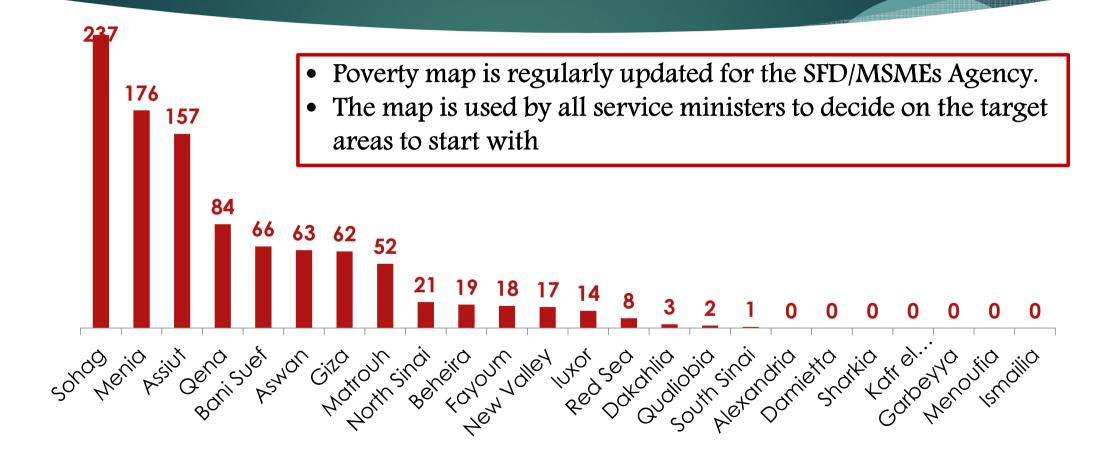
Poverty Mapping to Reach the poorest regions (How?)







Where are the poorest 1000 villages?



Proxy Means Test

Using easily observable but not easily manipulated household characteristics (from the profile) to estimate household income or consumption, when other income data (salary slips, tax files, etc..) are not available or easily accessible

HIECS is used to Determine PMT Variables and Weights

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There are six criteria sets to identify and target groups.

1) community location (residence. urban area/region)

2) household head characteristics

3) Family members characteristics

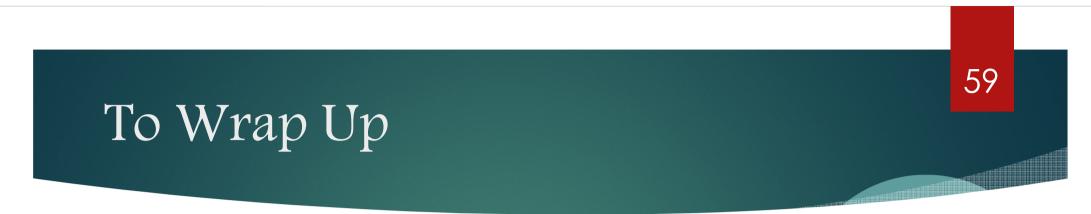
4) Remittances and financial flows to family members

5) Housing conditions

6) Ownership of durables

PMT has been used in identifying the illegible hhds for Takafol and Karama CT Progrmas





1) There is a wide range of uses of CAPMAS household data.



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- 2) Many of the important implemented policy reforms were datadriven decisions.

To Wrap Up

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- 2) Many of the important implemented policy reforms were datadriven decisions.

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3) CAPMAS needs to keep its strong commitment to open access to data, and to improve its quality.

To Wrap Up

- 1) There is a wide range of uses of CAPMAS household data.
- 2) Many of the important implemented policy reforms were datadriven decisions.

- 3) CAPMAS needs to keep its strong commitment to open access to data, and to improve its quality.
- 4) There is still a lot to explore from these datasets. So, researchers have to investigate all the relevant questions, and provide evidence base, interpretable findings, and implementable recommendations.

