

# **MONITORING INEQUALITIES AMONG HEALTH SERVICE RECIPIENTS**

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**September, 2008**

# MONITORING INEQUALITIES AMONG HEALTH SERVICE RECIPIENTS

## *Four Parts*

- **A SUGGESTED APPROACH: BASIC FEATURES**
- **APPLICATION OF THE APPROACH: CASE STUDIES**
- **VARIATIONS IN THE APPROACH: MORE CASE STUDIES**
- **LIMITATIONS OF THE APPROACH: WHAT IT WON'T MEASURE**

## **A SUGGESTED APPROACH: BASIC FEATURES**

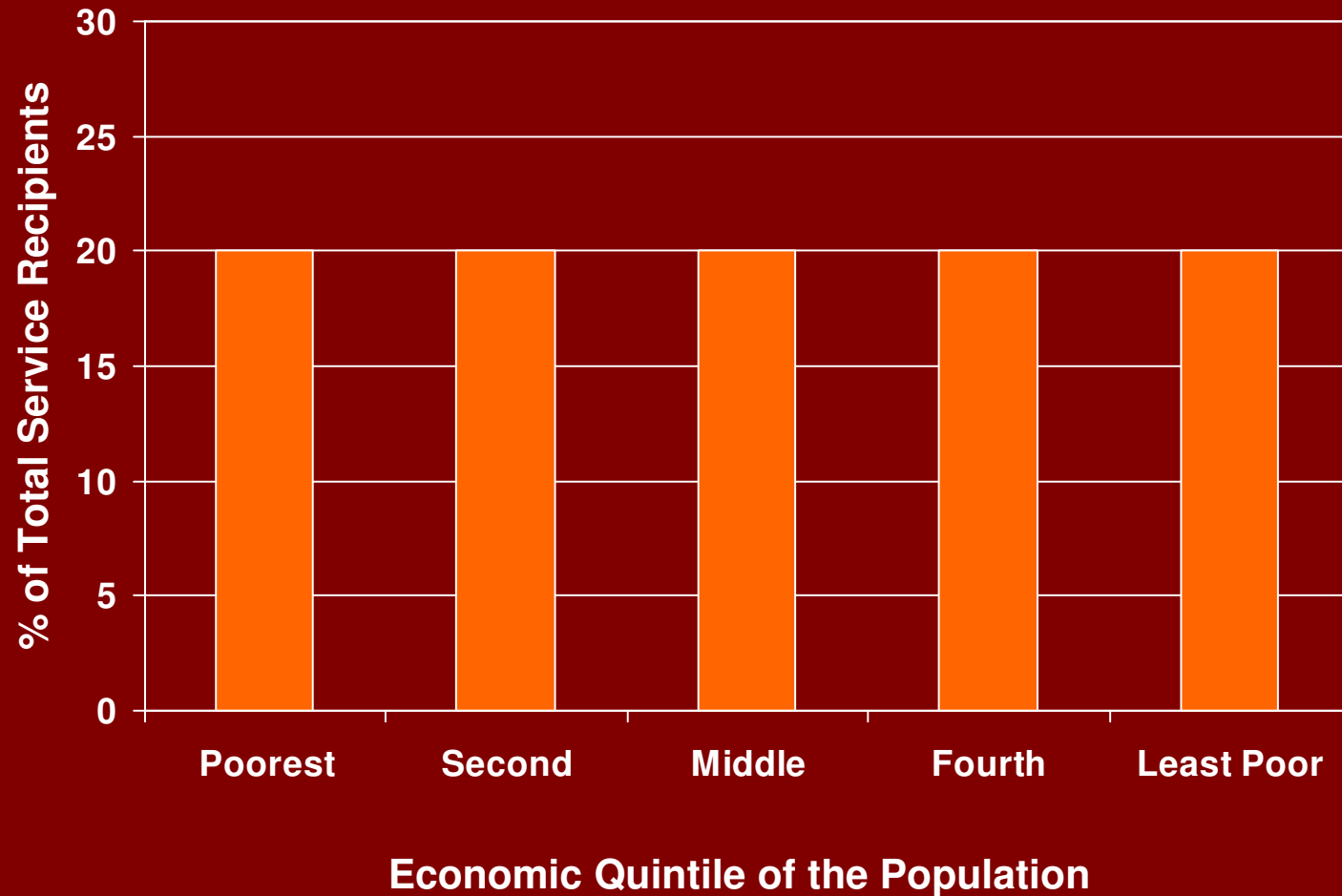
- **DESIRED OUTPUT**
- **DATA REQUIREMENTS**
- **TABULATION PROCEDURES**

## **Desired Output**

- **Frequency Distribution of Service Recipients**
- **By Economic Status or Other Attribute of Interest**

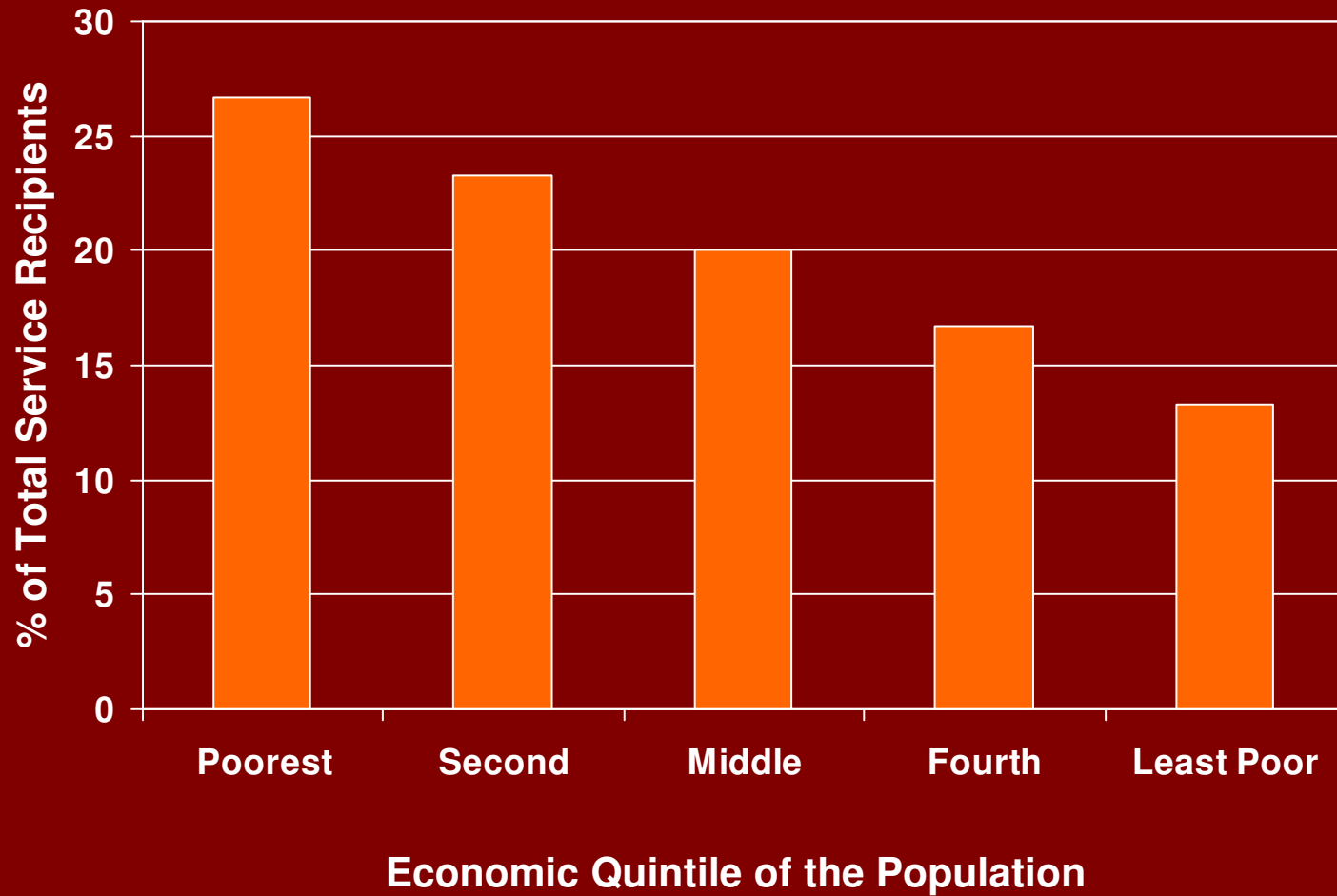
# DISTRIBUTIONAL OUTCOMES OF FOUR HYPOTHETICAL HEALTH PROGRAMS

## A. Program with *Equally-Distributed Outcomes*



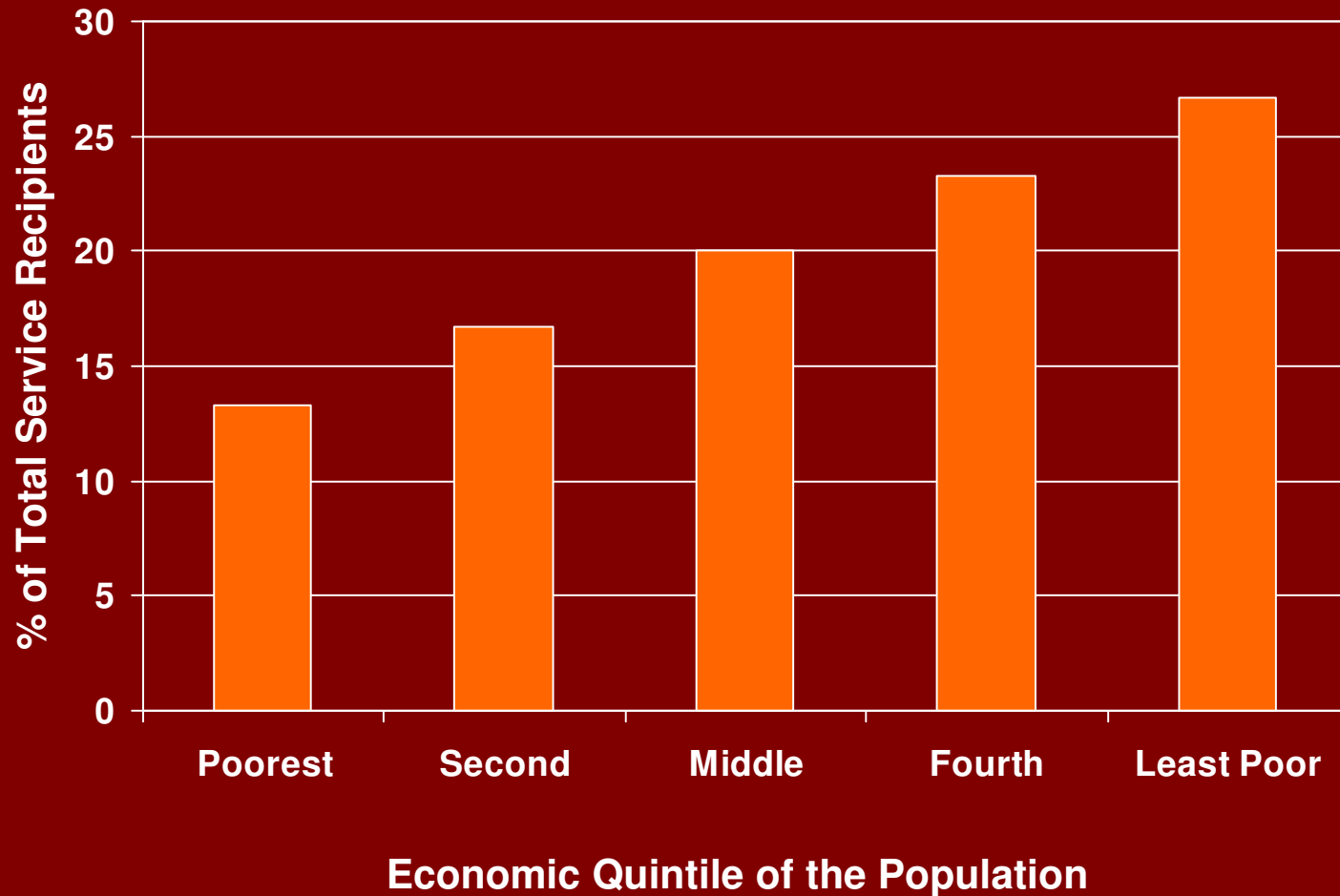
# DISTRIBUTIONAL OUTCOMES OF FOUR HYPOTHETICAL HEALTH PROGRAMS

## B. Program Favoring the Poorest



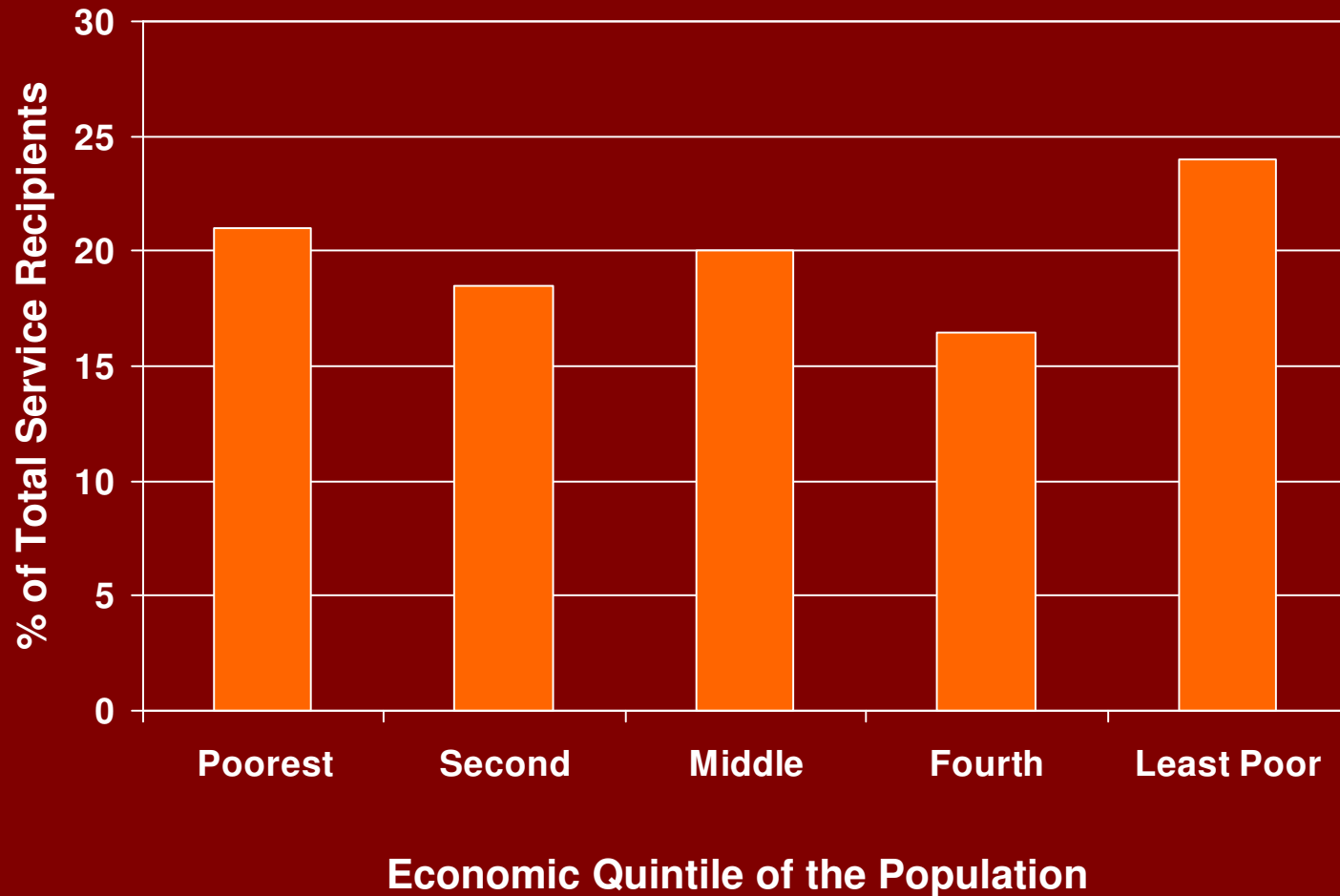
# DISTRIBUTIONAL OUTCOMES OF FOUR HYPOTHETICAL HEALTH PROGRAMS

## C. Program Favoring the Last Poor



# DISTRIBUTIONAL OUTCOMES OF FOUR HYPOTHETICAL HEALTH PROGRAMS

## D. Program with *Irregular Distribution of Recipients*





## DATA REQUIREMENTS

- **Data about Economic Status (or Other Attribute) of Members in the Population that A Program SEEKS TO SERVE**
  - **Can Be Collected only through a Household Survey or Census**
- **Comparable Data about Economic Status (or Other Attribute) of Members in the Population that a Program DOES SERVE**
  - **Can Be Collected Either through a Household Survey/Census, Facility Exit Interview Study, or Facility Service Records**

## **TABULATION PROCEDURE**

- **Depends on Sources of Data Available**
- **Easiest to Explain with Reference to Specific Examples/Case Studies**

## Case Study One

- **Location:** Ghana - Nationwide
- **Subject:** Social Marketing of Condoms
- **Sources of Data:**
  - **About Economic Status of Target Population:**  
Pre-Existing National Household Survey with Asset Information (DHS)
  - **About Economic Status of Population Served:**  
Survey of Retail Outlet Customers with Questionnaire Containing Same Household Asset Questions

## GHANA HOUSEHOLD ASSET QUESTIONNAIRE - SUMMARY

- **Possessions:** Radio, Refrigerator, Bicycle, Car, Domestic Worker, Etc.
- **Land Ownership**
- **Source of Drinking Water:** Inside Piped Water, Community Well, River, Etc.
- **Type of Toilet:** Private Flush Toilet, Pit Latrine, Field, Etc.
- **Type of Flooring:** Earth, Cement, Wood, Carpet, Tile, Etc.
- **No. of People per Sleeping Room**

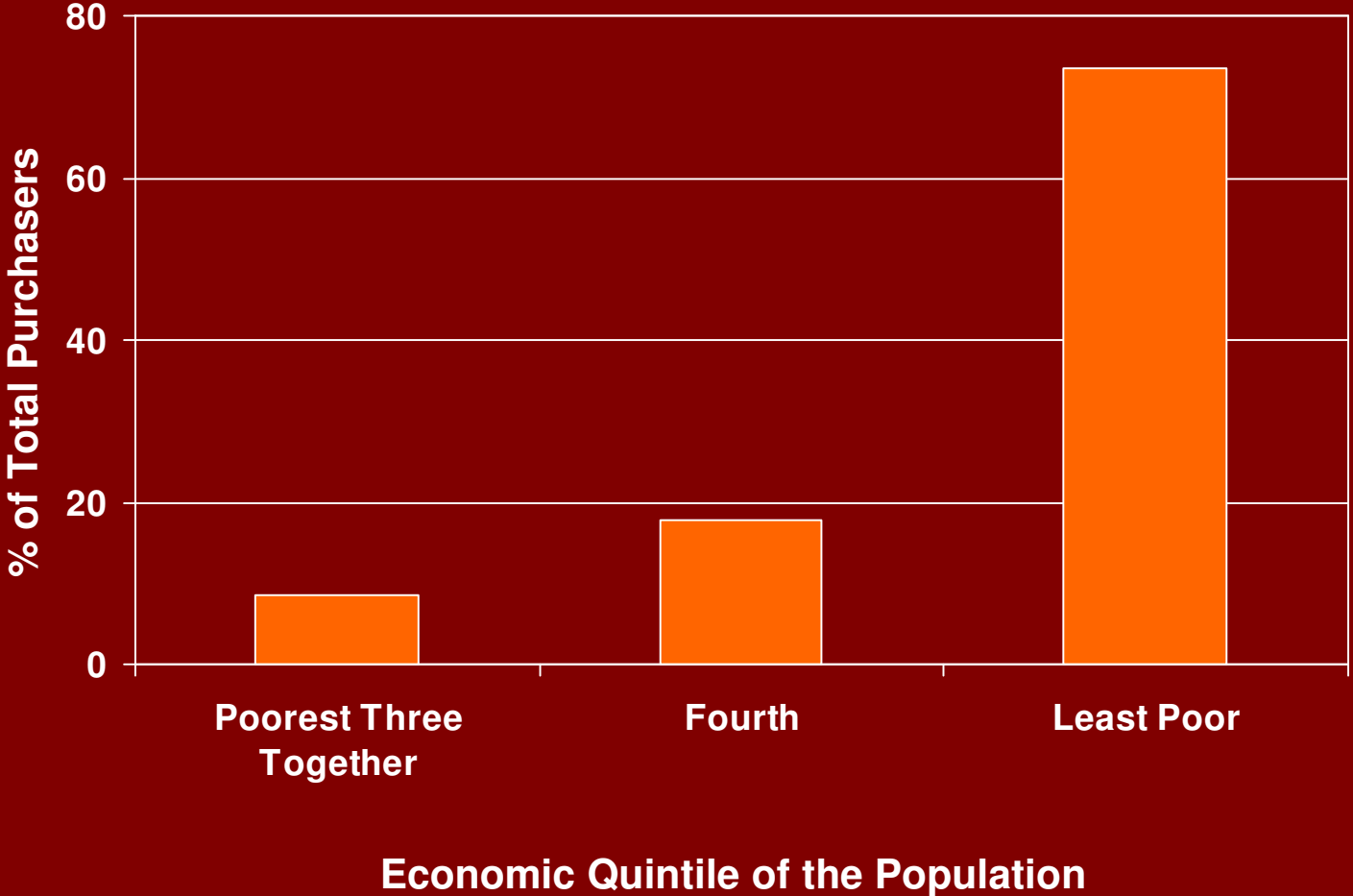
## GHANA HOUSEHOLD ASSET QUESTIONNAIRE - ILLUSTRATIVE DETAIL: FLOORING

|                | <b>Score if<br/>“YES”</b> | <b>Score if<br/>“NO”</b> |
|----------------|---------------------------|--------------------------|
| <b>Earth</b>   | <b>-.141</b>              | <b>+.024</b>             |
| <b>Cement</b>  | <b>-.063</b>              | <b>+136</b>              |
| <b>Wood</b>    | <b>+.263</b>              | <b>-.001</b>             |
| <b>Terrazo</b> | <b>+.793</b>              | <b>-.004</b>             |

## GHANA HOUSEHOLD ASSET QUINTILE CUT-OFF POINTS

| <b>Wealth<br/>Quintile</b> | <b>Total Household<br/>Index Score</b> |                |
|----------------------------|--|----------------|
|                            | <b>Lowest</b>                          | <b>Highest</b> |
| <b>Lowest</b>              | <b>Inf.</b>                            | <b>-.711</b>   |
| <b>Second</b>              | <b>-.711</b>                           | <b>-.540</b>   |
| <b>Middle</b>              | <b>-.540</b>                           | <b>-.364</b>   |
| <b>Second</b>              | <b>-.364</b>                           | <b>+.540</b>   |
| <b>Highest</b>             | <b>+.540</b>                           | <b>Inf.</b>    |

# GHANA: DISTRIBUTION OF PURCHASERS OF CONDOMS SOLD THROUGH THE SOCIAL MARKETING PROGRAM

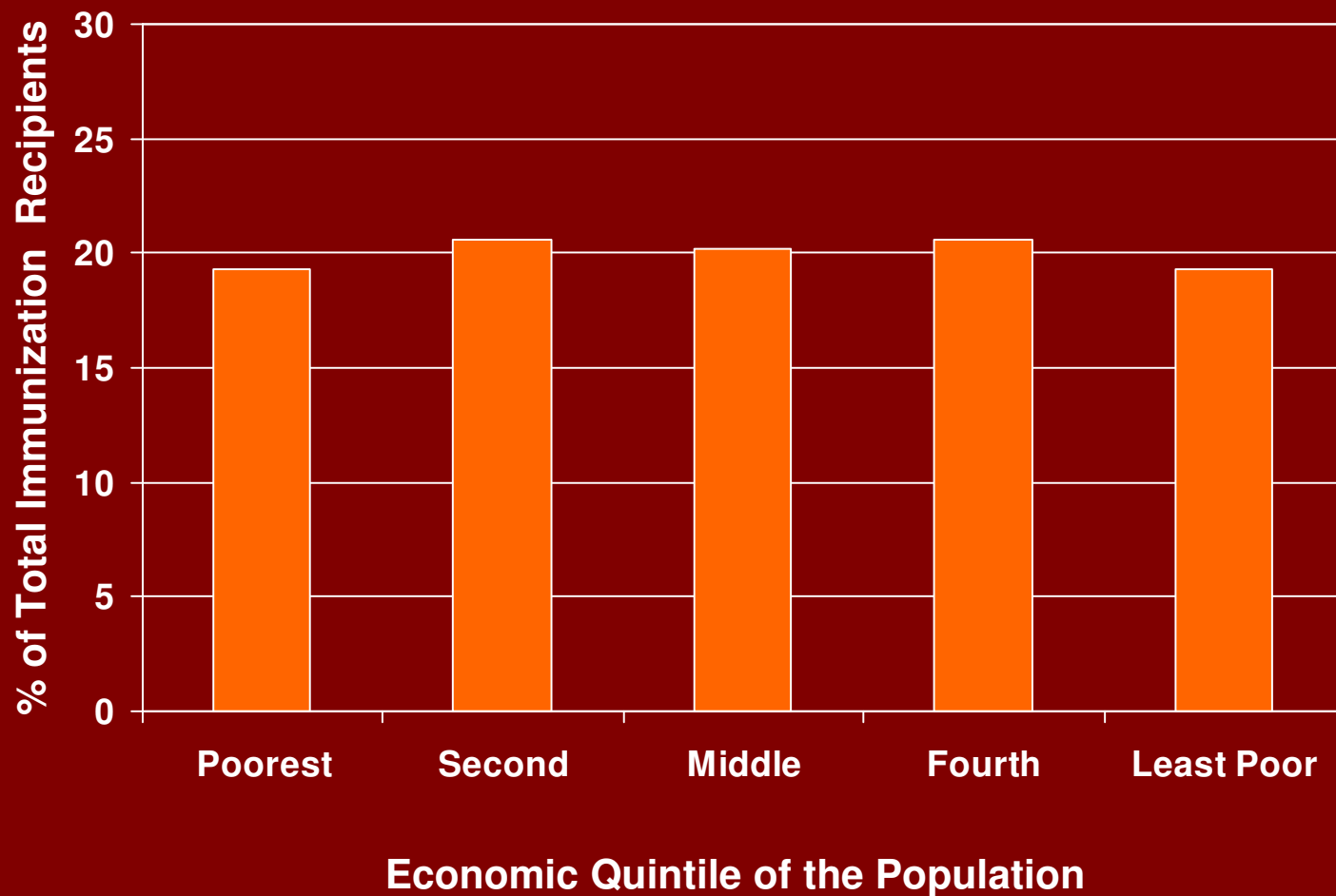


## Case Study Two

- **Location:** Kenya - Nationwide
- **Subject:** Immunization Campaign
- **Sources of Data:**
  - **About Economic Status of Target Population:**  
Special Nationwide Household Survey with Questionnaire Containing Household Asset Questions - and about Immunizations Received
  - **About Economic Status of Population Served:**  
Same Nationwide Household Survey as that Producing Information about Target Population



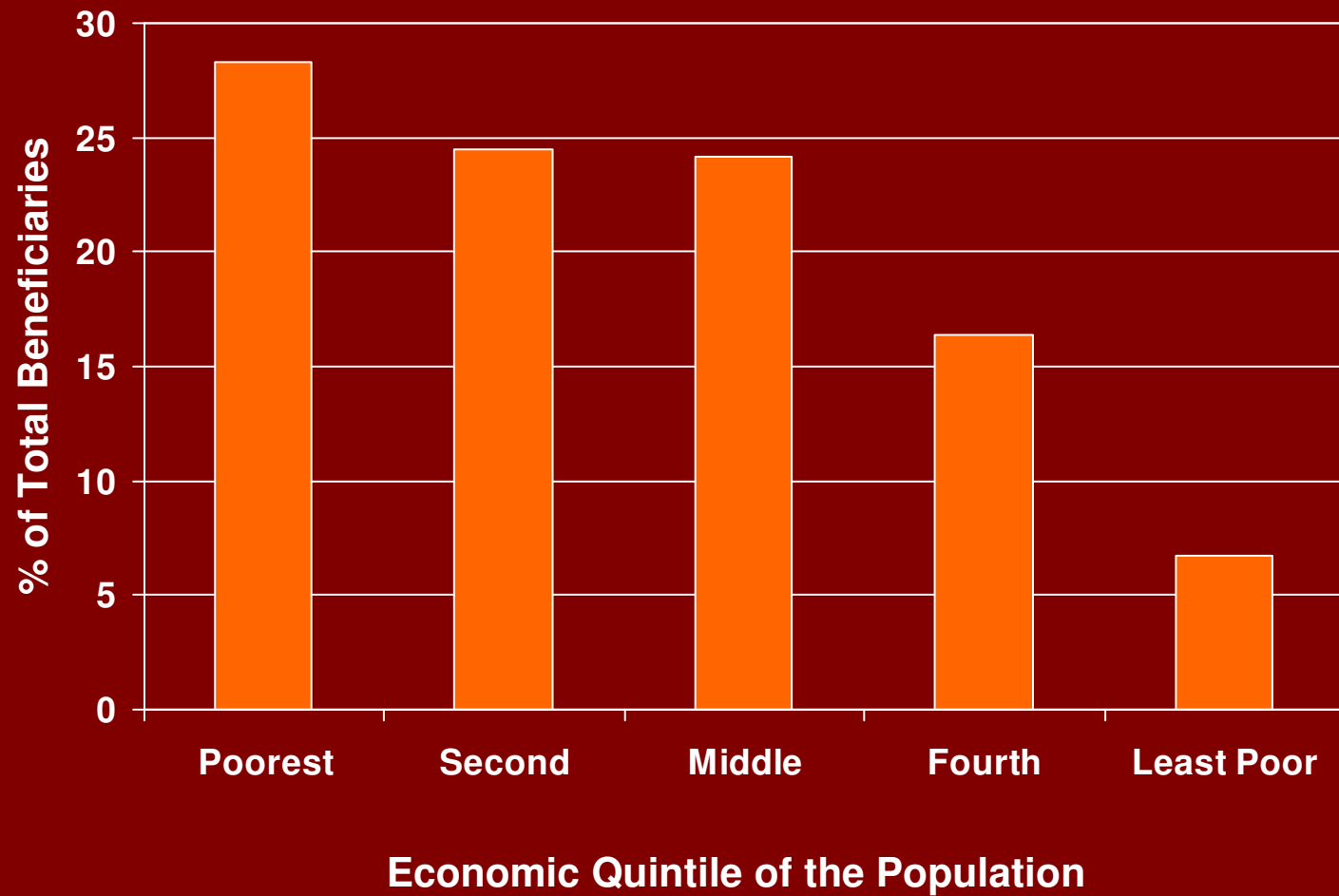
# KENYA: DISTRIBUTION OF RECIPIENTS OF MEASLES IMMUNIZATIONS THROUGH THE MASS CAMPAIGN



## Case Study Three

- **Location:** Pelotas, Brazil
- **Subject:** Publicly-Supported Hospital Deliveries
- **Sources of Data:**
  - **About Economic Status of Target Population:**  
Sample of Brazilian Census with Questionnaire Containing Household Asset Questions
  - **About Economic Status of Population Served:**  
Census of Women Delivering in Principal Maternity Centers

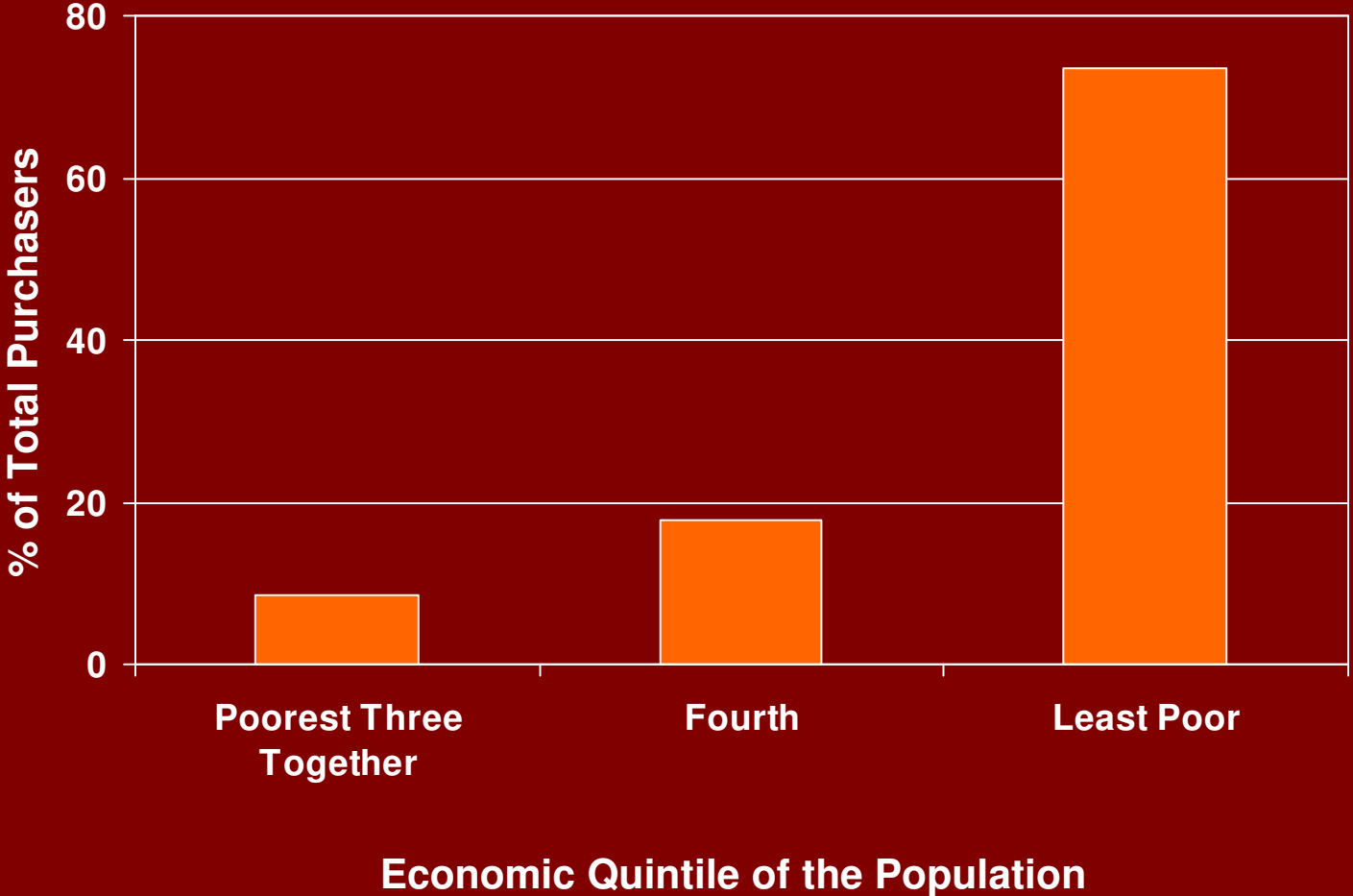
# BRAZIL: DISTRIBUTION OF BENEFICIARIES OF GOVERNMENT SUBSIDIES FOR ATTENDED DELIVERIES



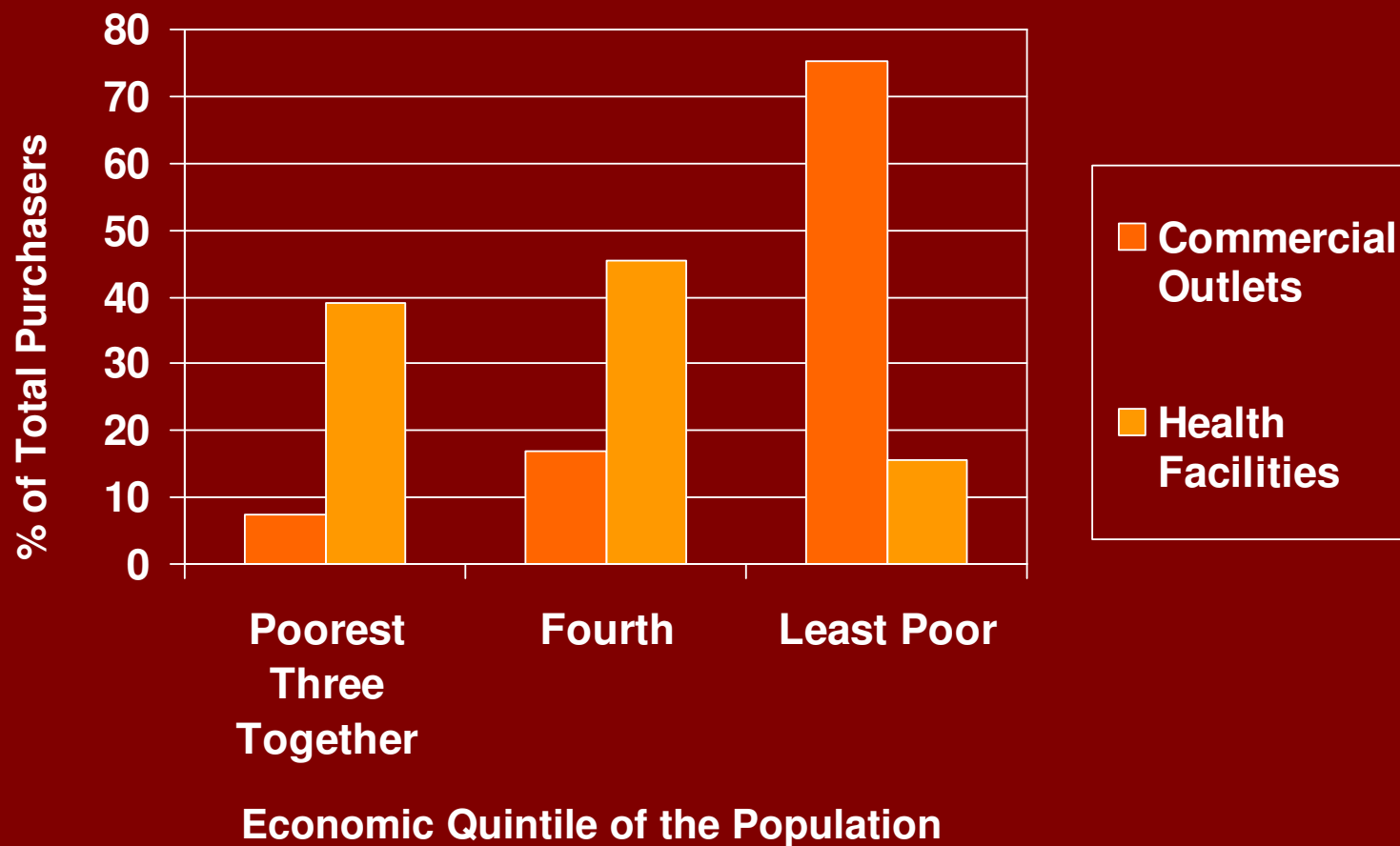
## VARIATIONS IN THE APPROACH

- **To Compare Programs - Case Study One Revisited**
- **To Assess Coverage as well as Incidence/Focus - Case Studies Two and Three Revisited**

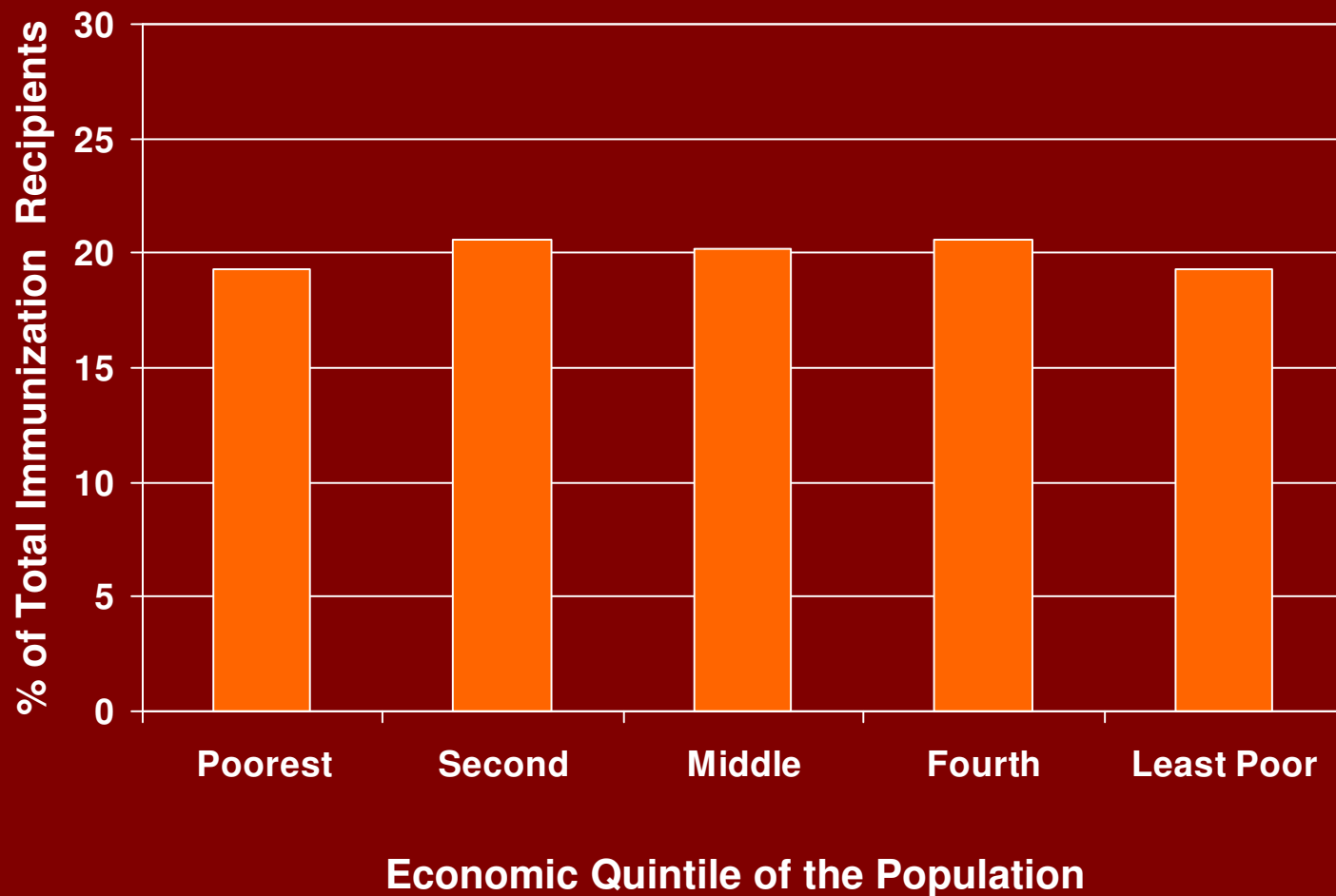
# GHANA: DISTRIBUTION OF PURCHASERS OF CONDOMS SOLD THROUGH THE SOCIAL MARKETING PROGRAM



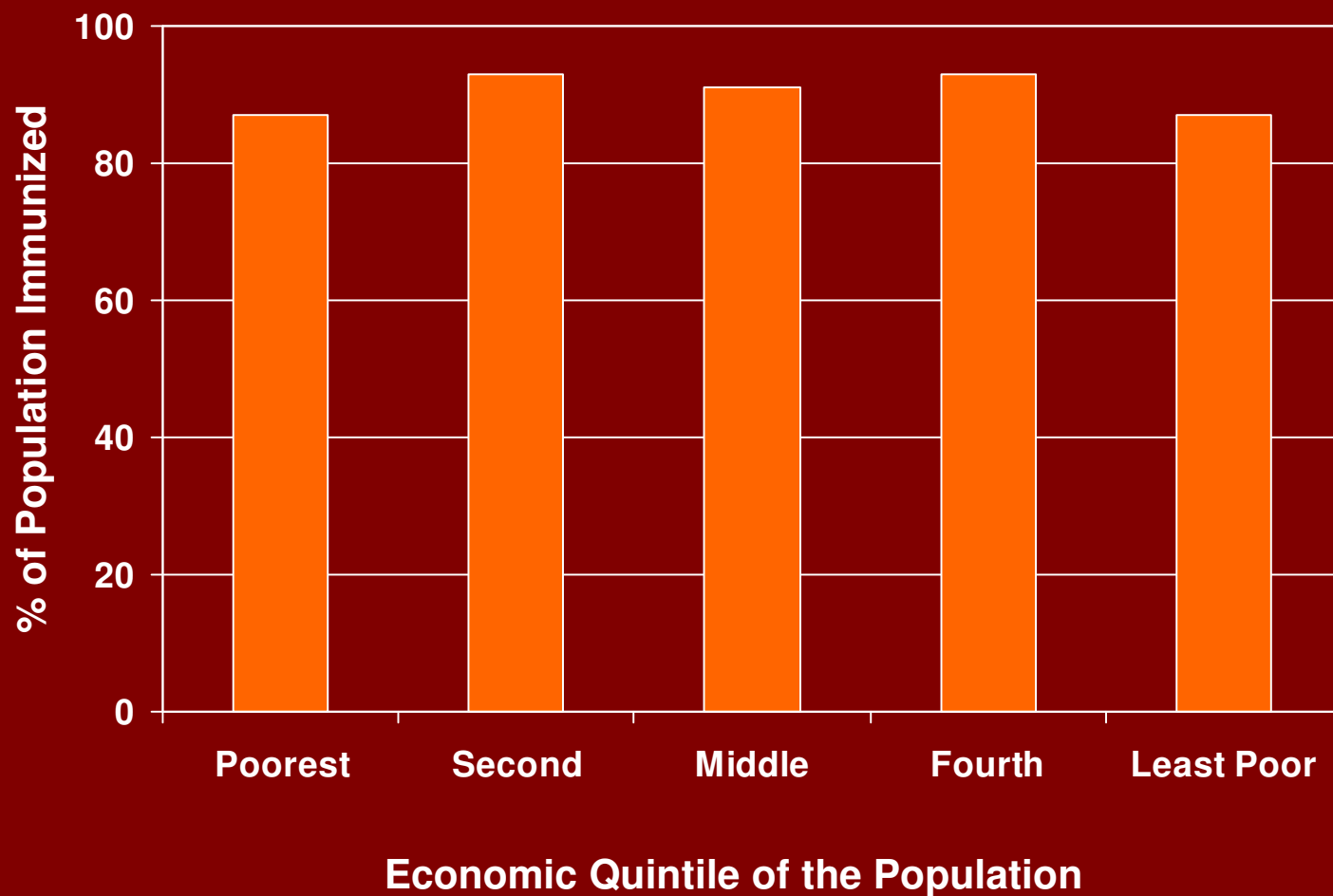
# GHANA: DISTRIBUTION OF PURCHASERS OF CONDOMS SOLD THROUGH COMMERCIAL OUTLETS AND HEALTH FACILITIES



# KENYA: DISTRIBUTION OF RECIPIENTS OF MEASLES IMMUNIZATIONS THROUGH THE MASS CAMPAIGN

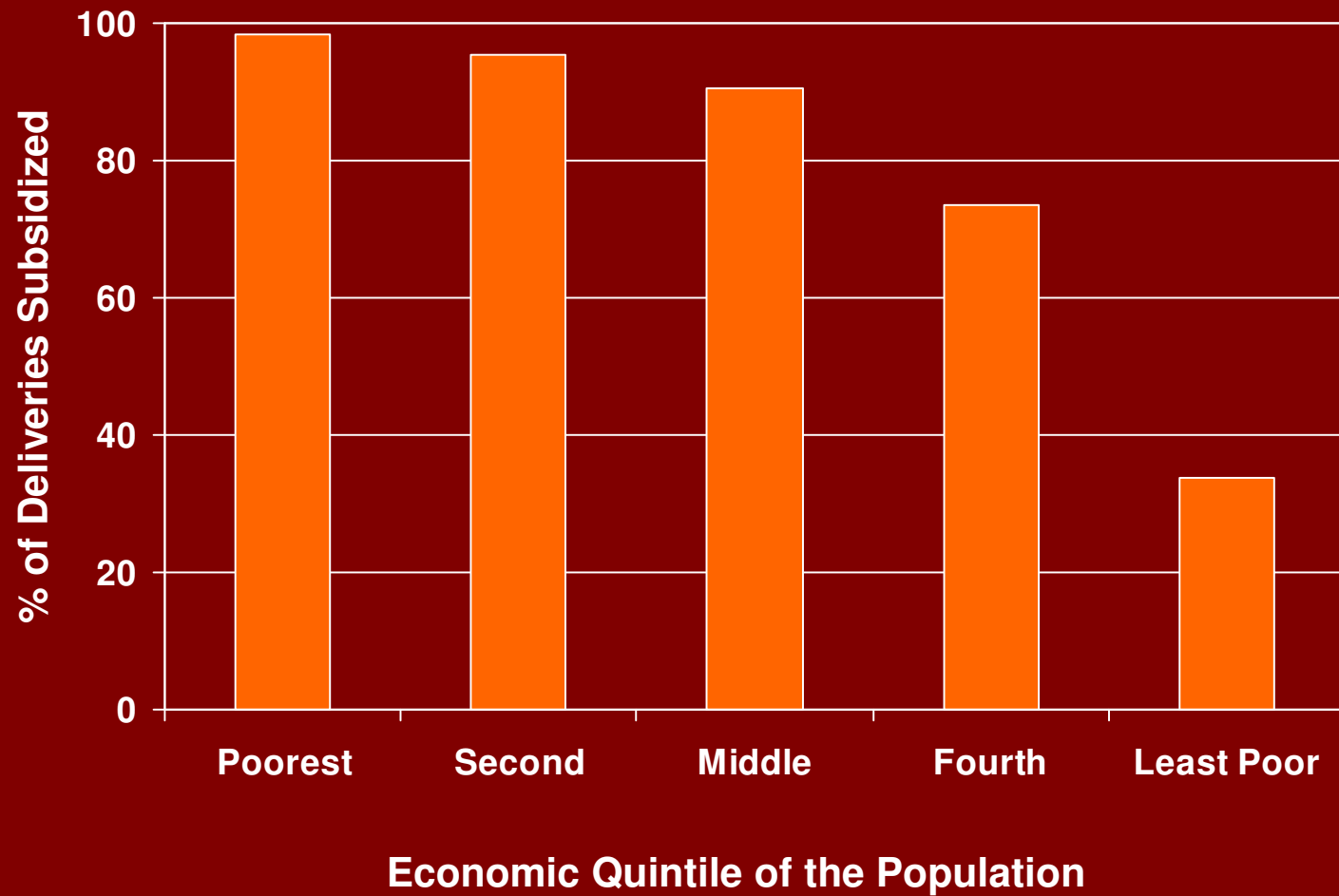


# KENYA: COVERAGE OF MEASLES IMMUNIZATIONS THROUGH THE MASS CAMPAIGN





# BRAZIL: COVERAGE OF SUBSIDIZED DELIVERIES



## LIMITATIONS OF THE APPROACH

- **Can Measure only Incidence/  
Focus and Coverage - Not  
Impact on Health Status**
- **Can Measure only Pattern of  
Benefit Distribution - Not  
Benefit Cost (i.e. Benefit-  
Incidence, not Cost-  
Effectiveness)**