



MILLENNIUM
CHALLENGE ACCOUNT - JORDAN
Partners in Development



MILLENNIUM
CHALLENGE CORPORATION
UNITED STATES OF AMERICA

MCC & MCA-J Monitoring & Evaluation

Hana Scheetz Freymiller
Associate Director
MCC Monitoring & Evaluation

February 2016

Role of Data Quality in an Impact Evaluation

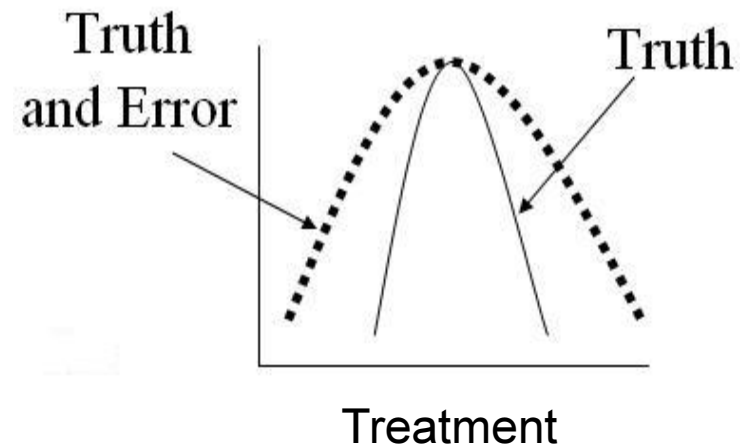
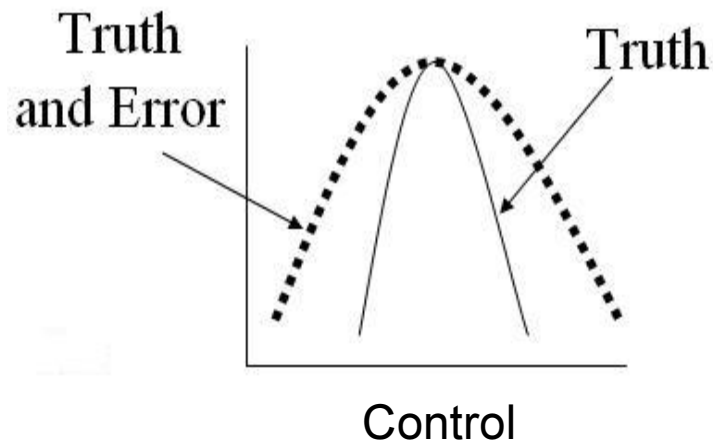
- What's Different in an Impact Evaluation
- Key Role of Data Quality
- Fighting Attrition
- What MCA-J and DoS Are Doing to Insure Quality

What's Different in an Impact Evaluation

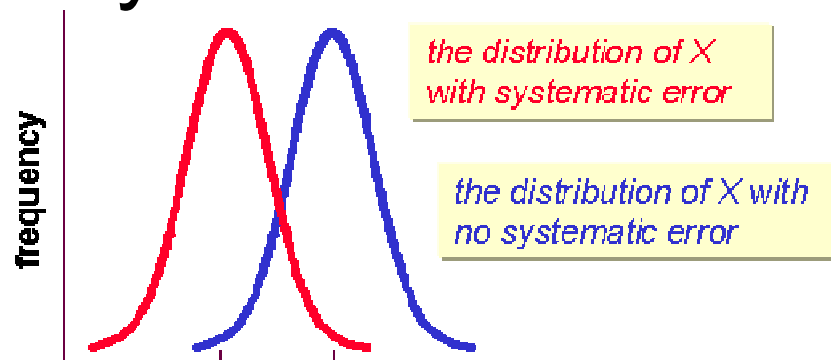
- Goal: Maximize Statistical Power
 - The ability to detect the difference between treatment and control.
- What Reduces Statistical Power
 - Poor Data Quality
 - Low Sample Size

Key Role of Data Quality

- Random Measurement Error



- Systematic Measurement Error



Treatment: 4 - wrong
Control: 6

*** Measure of impact
would be inaccurate***

Fighting Attrition

- Most impact evaluations survey the same people at the beginning, middle, and end of the project.
- Lose Too Many People → Lose Power
- Lose More in Control than Treatment → Wrong Estimate of Impact

DoS & MCA-J Data Quality Protocols

Electronic Data Collection



Automated Data Quality Checks



Dedicated Tracking Team



Field Back Checks

**For more information,
please visit:**

**www.mcc.gov or
www.mca-jordan.gov.jo**