



KRAKÓW • POLAND
APRIL 26-28 • 2022

Pre and post pandemic approaches in data collection, opportunities, challenges, lessons learned and way foreword: The case of Ethiopia

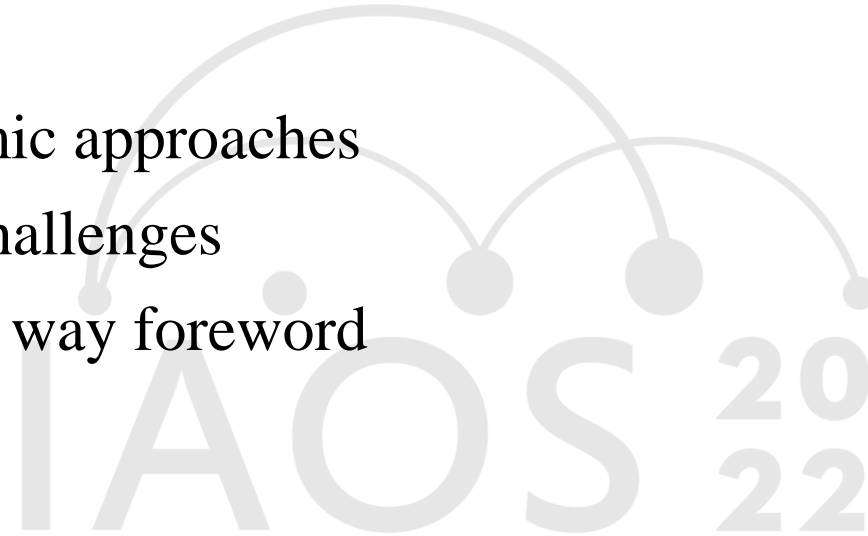
Aberash Tariku Abaye, Deputy Director General, Ethiopia Statistics Service email kaberash@yahoo.com

April, 2022



outline

- Introduction
- Pre and post pandemic approaches
- Opportunities and challenges
- Lessons learned and way foreword



Introduction

- Methods and approaches used in data collection affects the data quality
- Most developing countries used to conduct paper base face to face data collection
- The covid 19 pandemic has forced countries to review the data collection methods

Pre and post pandemic approaches

- Data can be collected either through traditional paper base interviews (PAPI) or using electronic devices such as tablets, phone or computers (CAPI)
- Traditional paper base interviews (PAPI) was utilized broadly before the pandemic.
- Data collection using electronic devices such as tablets, phone or computers (CAPI) is adopted in post pandemic era
- Virtual trainings for data collection is also implemented in post pandemic period
- These new approaches used in post pandemic brought different improvements.
- However some challenges are also faced which needs to be addressed

Advantages

- The new approaches saves time by minimizing data entry and validation time
- Improves the data quality as some validation procedures are embedded in the data capturing program
- Saves cost by minimizing the printing cost and the data entry cost

Challenges

- Data lose due to lose of tablet, tablet failure and technical problem
- Completeness of data and transferring incomplete questionnaire
- Data storage problem and server failure
- Poor connectivity and data transfer challenge
- Difficulty to put hierarchy of data quality control mechanism

Challenges

- Electricity power problem in rural areas
- Measurement error due to accuracy problem of the gadget
- Lack of technical capacity to use the tablet and the software
- Limited IT infrastructure
- Budget constraint to buy the electronic gadgets and to pay for airtime
- Difficulty to implement for complex surveys

Lessons learned and way foreword

- System should be set to implement effective data backup mechanism
- Government and partners support to avail sustainable budget for initial cost and for subsequent surveys
- Software program should be set for reinterview and quality check at different level
- Sustainable capacity building
- Real time online data collection and transfer follow up mechanism should be set
- Availing power bank

THANK YOU

IAOS 20
22