Using digital tools for QAQC in the field

Zameer Haider

National Program Manager for Oil Fortification
Nutrition International, Pakistan
# Landscape of edible oil fortification in Pakistan

| Prior to Nutrition International/Food Fortification Pakistan | • Mandatory since 1965  
• Limited government enforcement due to lack of capacity  
• Lack of focus on collecting/analyzing quality data |
|---|---|
| NI/FFP's support from 2016-2021 | • Supported capacity building of regulatory bodies and millers  
• Provided laboratory equipment and testing devices  
• Facilitated establishment of premix supply system |
| Achievements of NI/FFP's support | • Adequacy improved from a baseline of 19% (FACT Survey 2017) to 90% (FortIS & iCheck tests data)  
• Over 200,000 tons adequately fortified oil produced  
• Reached 140 million people monthly |
Deployment of Fortification Information System (FortIS) to address data gaps

- Initiated digitization - deployed web, mobile application-based data collection and analysis system - FortIS

- Used FortIS to collect and synthesize data

- FortIS helped in data triangulation, adequacy and compliance assessment

- Current effort: integration of FortIS into Government monitoring systems for sustainability
Using digital tools to improve compliance and generate quality data

**Beta testing of iCheck Connect for internal QA**

**Integration of iCheck Connect with Fortis**

**External Quality Control**

Advocating with Govt. Departments to use iCheck and iCheck Connect for QC.
Digitization for improved governance of food fortification

**Quality Assurance**

- Improves efficiency of QA/QC by integrating fortification with production data
- Addresses data gaps, improves decision making and guides course correction

**Quality Control**

- Helps in instant testing and reporting
- Brings transparency and bridges trust gaps between industry and regulator
- Helps reduce workload at central labs
- Improved accountability in implementing food fortification
Challenges

• Small and medium size millers prefer to continue conventional and paper-based data management and resist change

• Some millers resistance to sharing of data with government agencies due to privacy and other concerns; may be reluctant to join the program

• Millers' dependence on imported testing equipment/consumables and difficulties around imports
Thank you!