

Using digital tools for QAQC in the field

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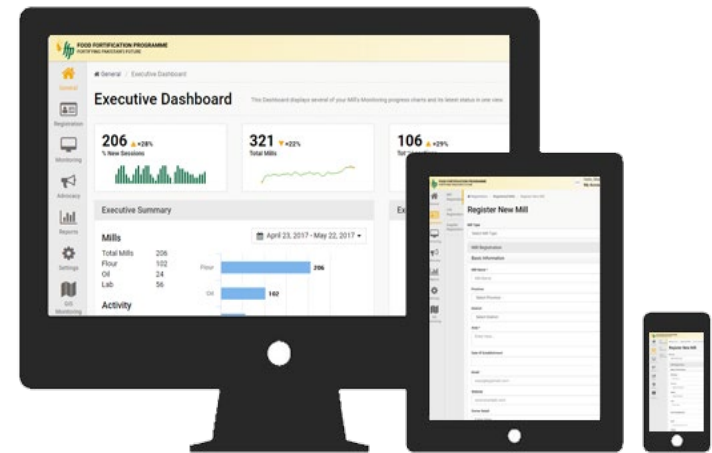
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Landscape of edible oil fortification in Pakistan

<p>Prior to Nutrition International/Food Fortification Pakistan</p>	<ul style="list-style-type: none"> • Mandatory since 1965 • Limited government enforcement due to lack of capacity • Lack of focus on collecting/analyzing quality data
<p>NI/FFP's support from 2016-2021</p>	<ul style="list-style-type: none"> • Supported capacity building of regulatory bodies and millers • Provided laboratory equipment and testing devices • Facilitated establishment of premix supply system
<p>Achievements of NI/FFP's support</p>	<ul style="list-style-type: none"> • 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 FortIS 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



Photo source: BioAnalyt

Integration of iCheck Connect with Fortis



Photo source: BioAnalyt

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

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Thank you!