

The background image shows two individuals, likely professionals, looking at a laptop. The laptop screen displays a software interface with a line graph showing data trends over time. The interface includes various toolbars and data tables. The overall scene is dimly lit, with the laptop screen being the primary light source.

Health & Humanitarian Logistics Conference

Innovative use of data and management best practices to improve public health supply chain in ten counties in Kenya

Presented by Eric Wakaria
inSupply

INSUPPLY CONSULTING SERVICES

Who We Are

- A Bill & Melinda Gates Foundation funded project aimed at improving the efficiency and performance of health supply chains
- Transitioning towards a JSI-affiliated, East African regional supply chain consulting firm

Our Approach

- We develop bold solutions tailored for our clients and the local context ranging from developing supply chain maturity strategies to designing and implementing data-driven, optimized supply chain systems



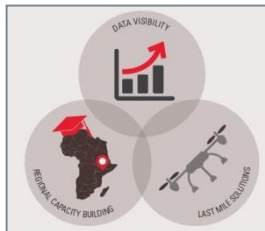
Our Partners



IMPACT TEAM NETWORK

Leadership Network

Build dynamic leaders within a supply chain who are motivated and possess the competency required to fulfill essential supply chain functions, who are empowered to make decisions and act as change agents



IMPACT Teams

Provide a structured approach for using data, create a culture of team responsibility for problem solving and taking actions to improve performance, and motivate staff to make changes

KENYA: DEVOLUTION & HEALTH SUPPLIES

Status of Public Health

Kenya has seen significant progress in its health indicators in recent decades, but challenges remain.

Child Mortality



Under-five mortality rate of
51 per 1,000
live births
(2014)

Infant Mortality



Infant mortality rate of
37 per 1,000
live births
(2014)

Maternal Mortality



Maternal mortality rate of
362 per 100,000
live births
(2014)

Infectious Diseases



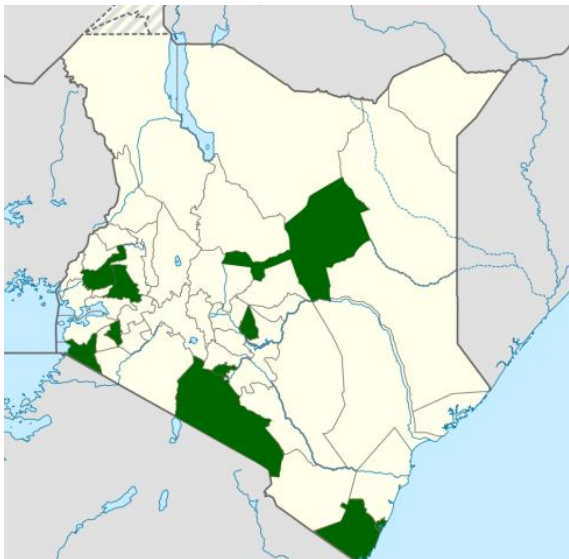
Continued high burden of
infectious diseases
and emerging
non-communicable
diseases
(2014)

KENYA: DEVOLUTION & HEALTH SUPPLIES

Political Environment

- In 2013 authority, responsibility, funding for government services devolved to county level
- Local decision making and management of health system has been effective in addressing county-specific needs, but...
- It has also fragmented public health supply chains, with a resulting effect on availability of data and commodities, especially from and at the last mile.

INVESTING IN DATA, PEOPLE & PROCESSES



Nairobi
Mombasa
Kwale
Kirinyaga
Isiolo

Kajiado
Nandi
Kakamega
Nyamira
Migori



Establish a Leadership Cohort and IMPACT Teams nationally, across 10 counties

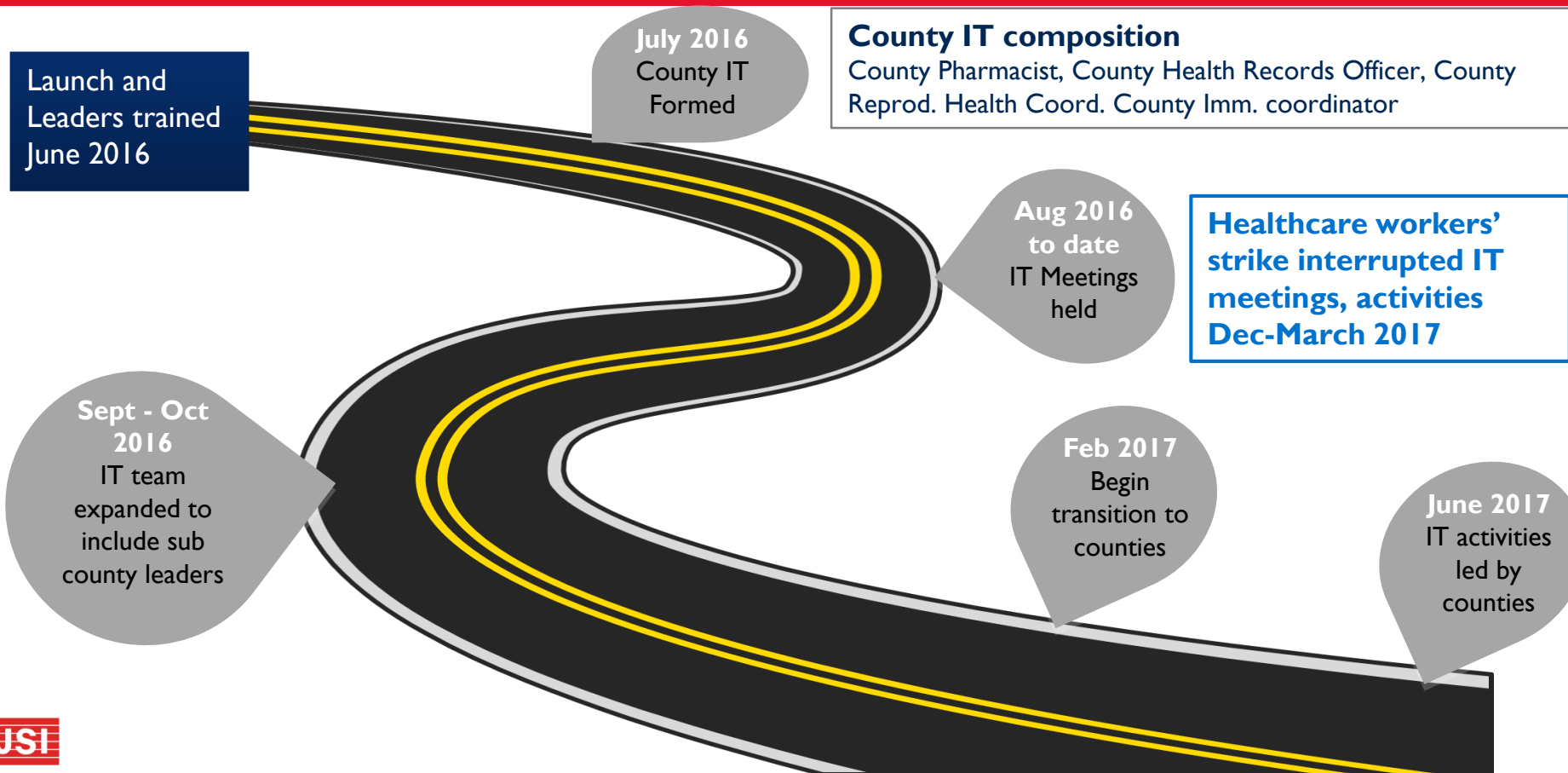
- Common vision and goal across all counties, focused on product availability

Power these meetings with data

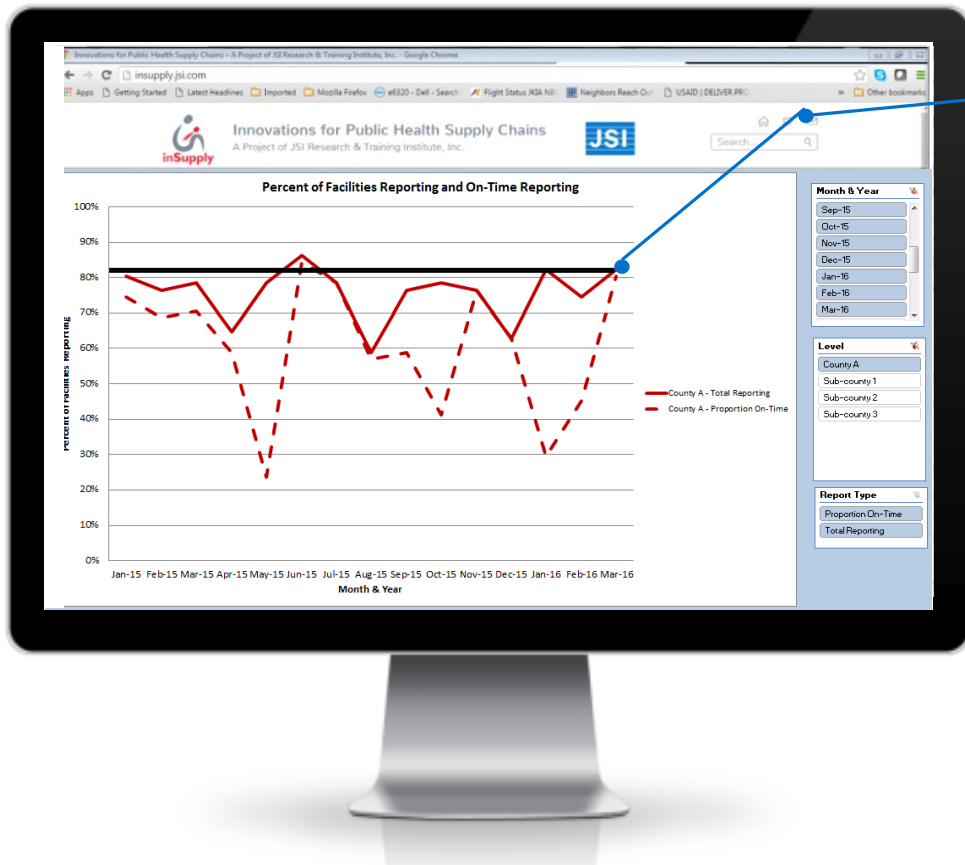
- Structured approaches introduced for using data for problem solving, joint identification of solutions, performance monitoring, and development of plans, with targets for improvement
- Recognition and peer-to-peer learning for motivation

Facilitate culture of continuous improvement based on local solutions

THE IMPACT TEAM (IT) ROADMAP



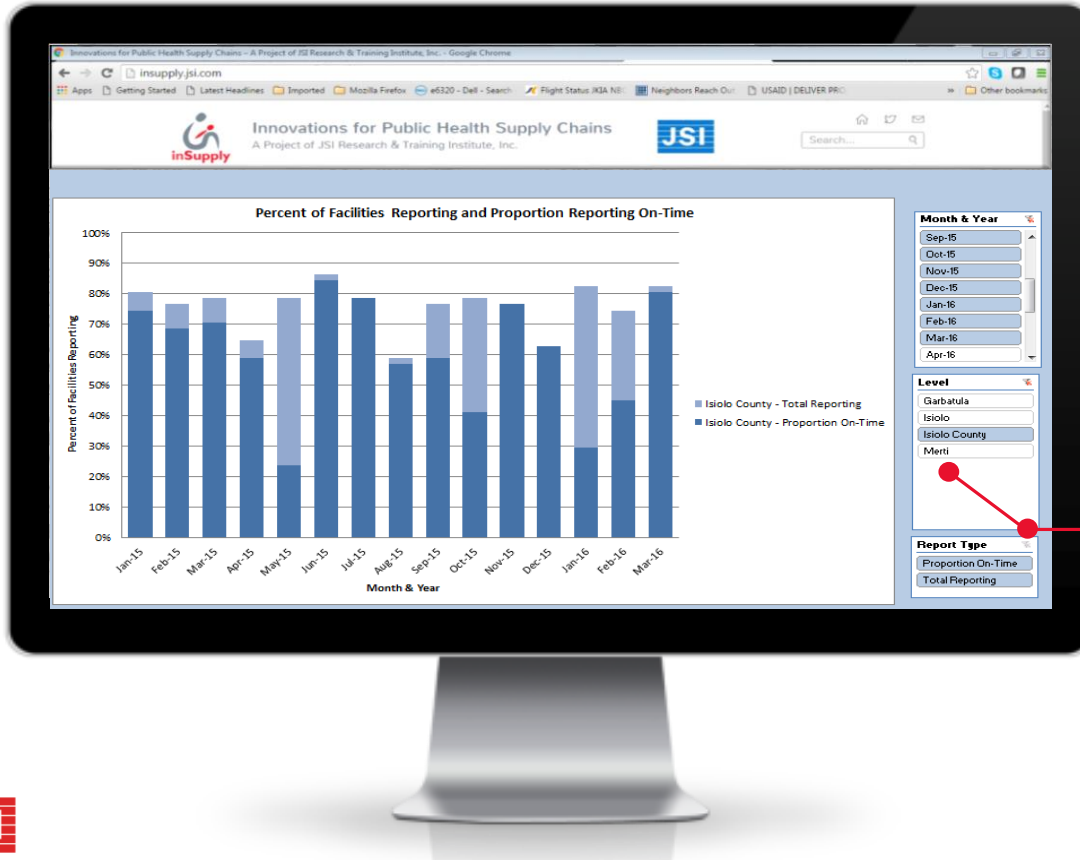
ITT DASHBOARD: ACTION ORIENTED ANALYTICS



Desired Target

Easy to assess gap between actual and target performance

ITT DASHBOARD: ACTION ORIENTED ANALYTICS



Drill Down

Filtering by sub-county enables managers to identify which sub counties are driving the data and where to focus follow up action

ITT DASHBOARD: ACTION ORIENTED ANALYTICS



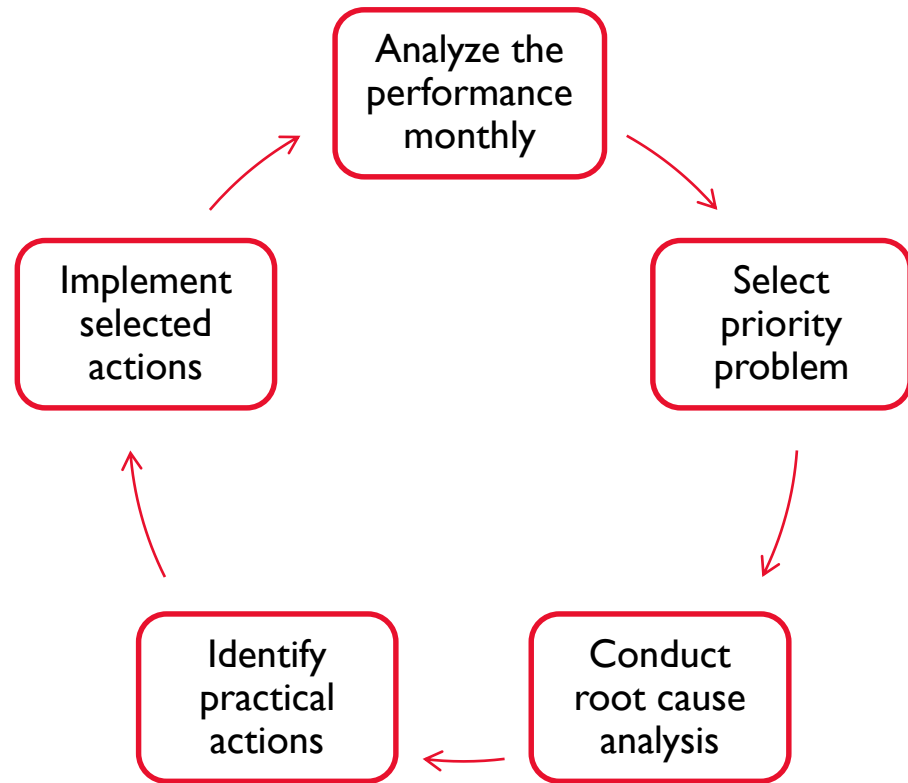
Color Coding

Color coding immediately identifies where challenges and opportunities for redistribution exist

STRUCTURED APPROACH TO PERFORMANCE MANAGEMENT



Monthly IMPACT Team meeting

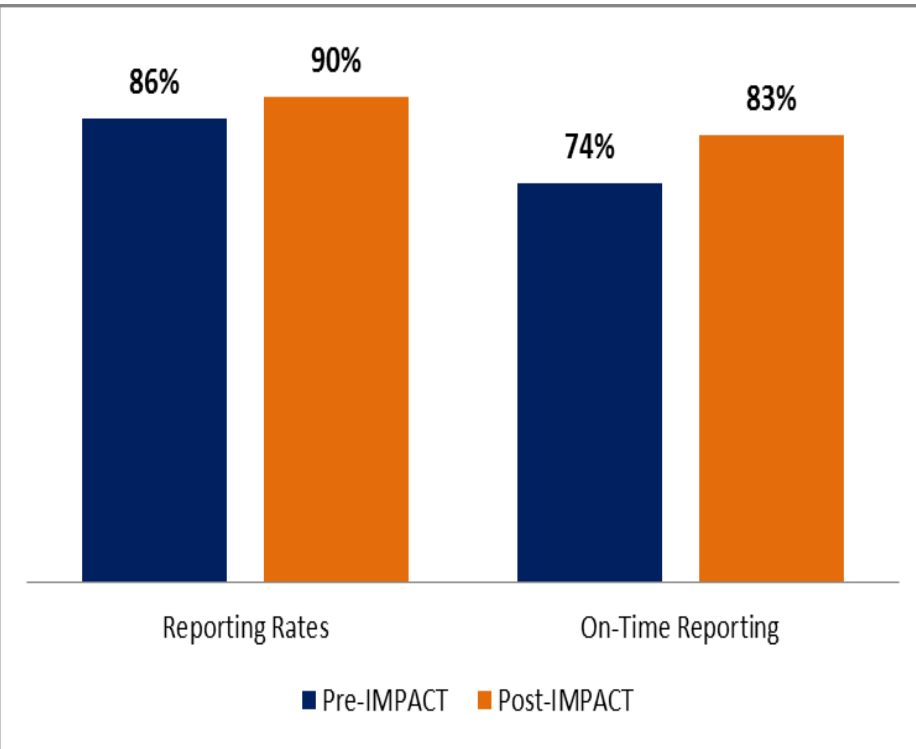
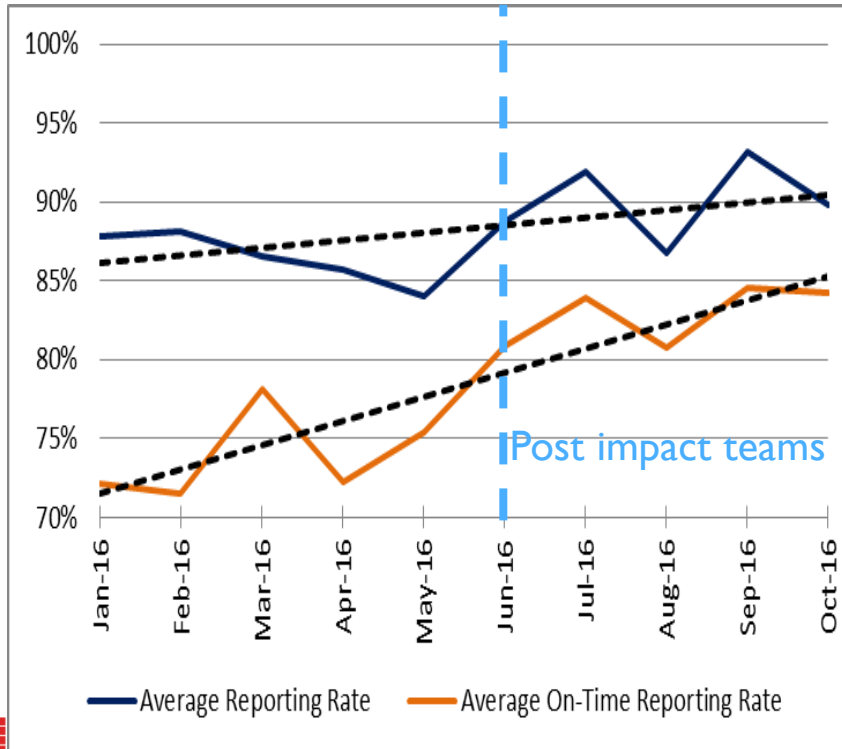




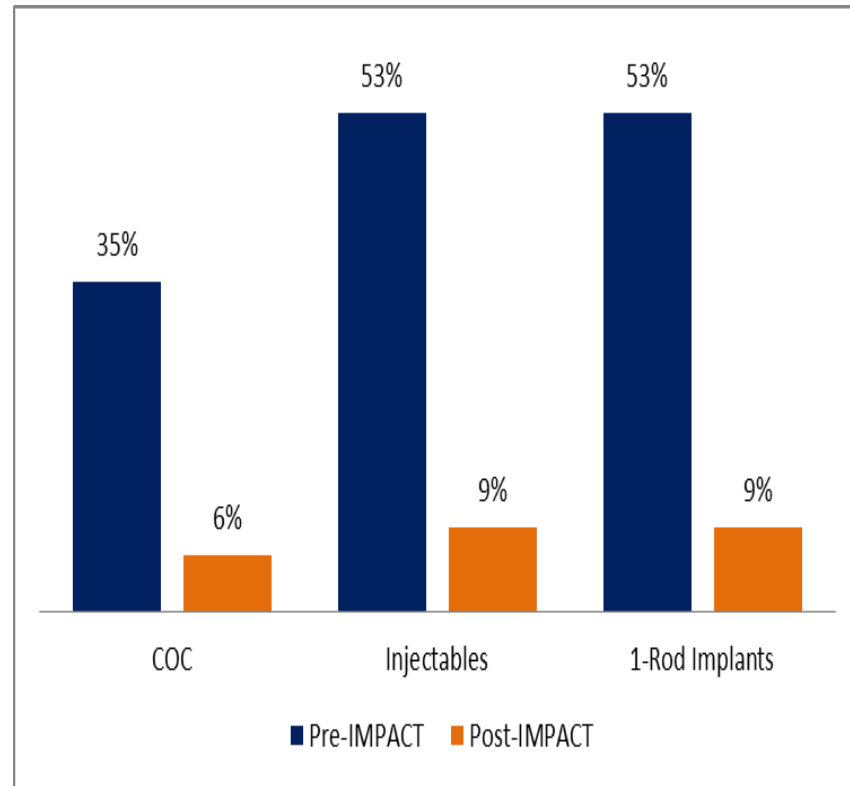
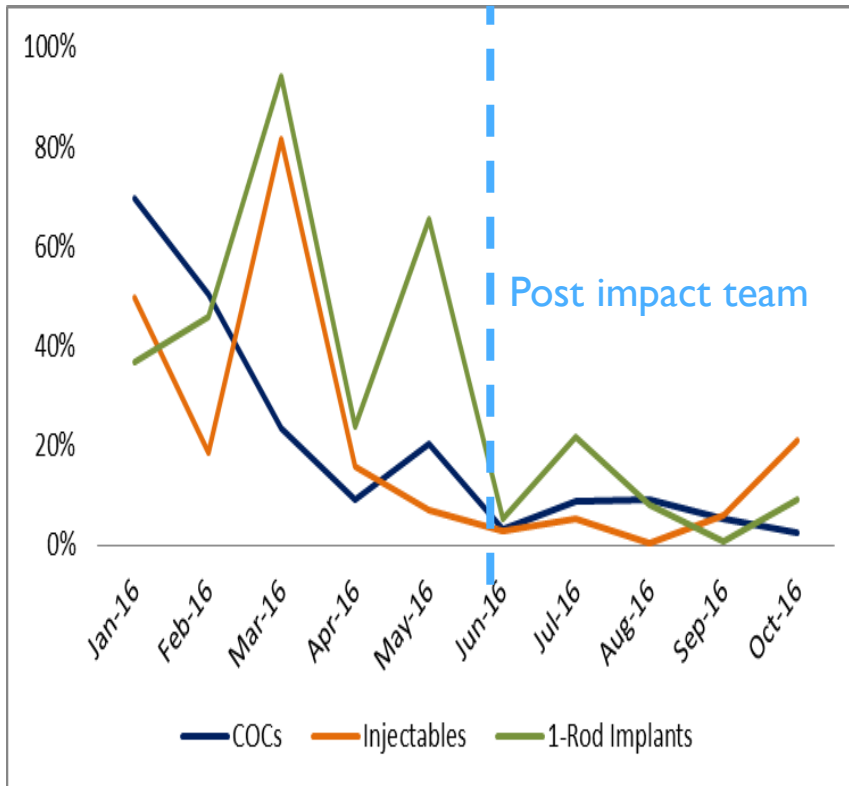
ACHIEVEMENTS

The gap between Total reporting and on-Time reporting has narrowed post IMPACT team implementation

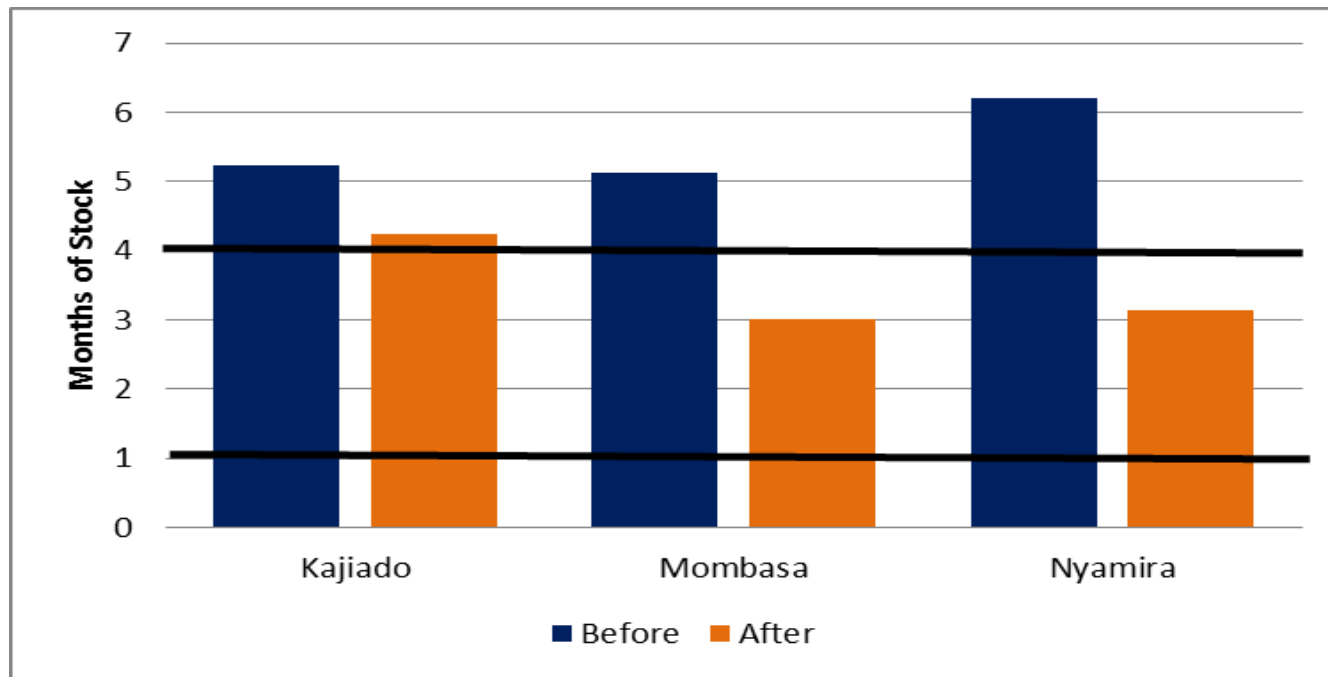
Total reporting rate improved by 4% after IMPACT team implementation, but on-time reporting improved more - by 9%



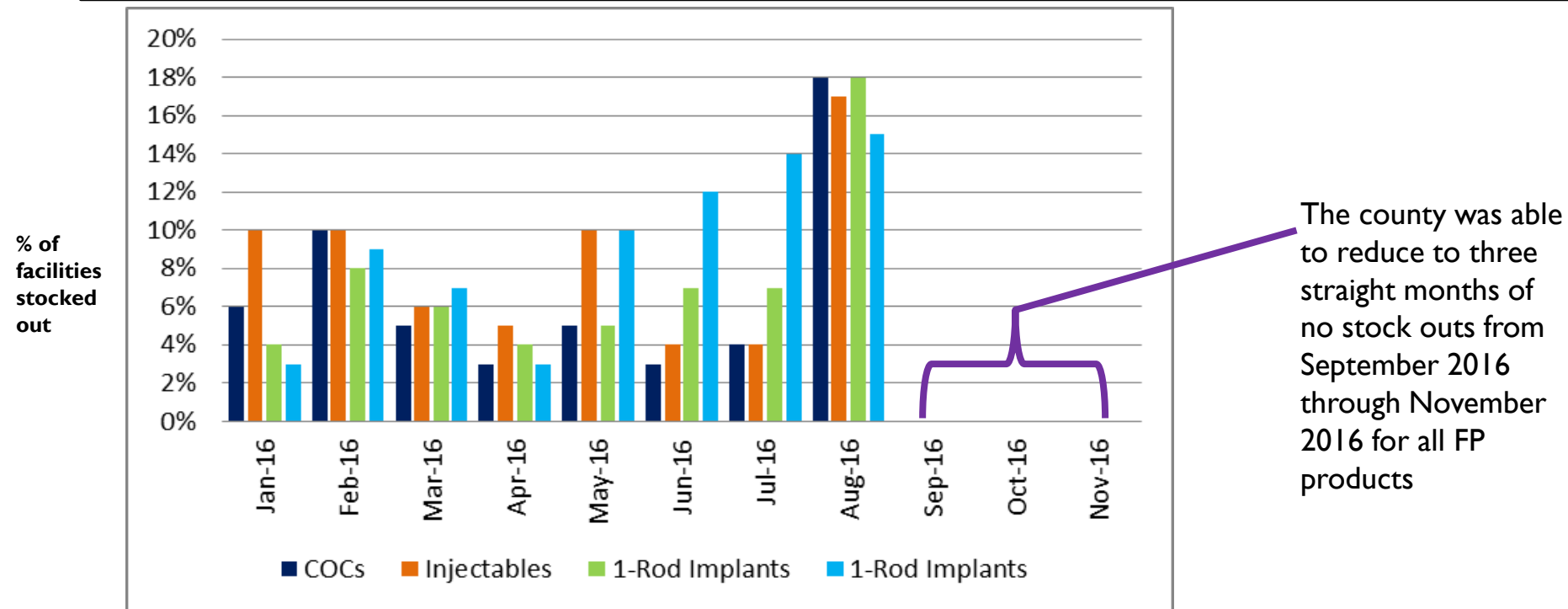
One county experienced significant improvements in reduction of average percentage difference between ending and beginning balances for three FP tracer commodities



Several counties have shown improvements in Injectables average MOS in the 5 months prior to and the 5 months after IMPACT team implementation



Getting to no stock outs: An example from Nandi county



CHALLENGES & LESSONS LEARNED

- IMPACT Team approach enhances focus on supply chain as a priority
- High staff turnover at health facility and sub county levels
- Strong leadership skills needed for implementation and sustaining momentum
- IMPACT teams need mentorship to develop a culture of continuous quality improvement
- County leadership eager to learn and apply data analytics and visualization techniques to improve outcomes for other supply chains (e.g. HIV, Malaria, Essential Medicines etc)

**For more information about
JSI's work in supply chain, data
visibility, and data use, contact the
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