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Informed Push in Nigeria: The Direct Delivery And Information Capture (DDIC)

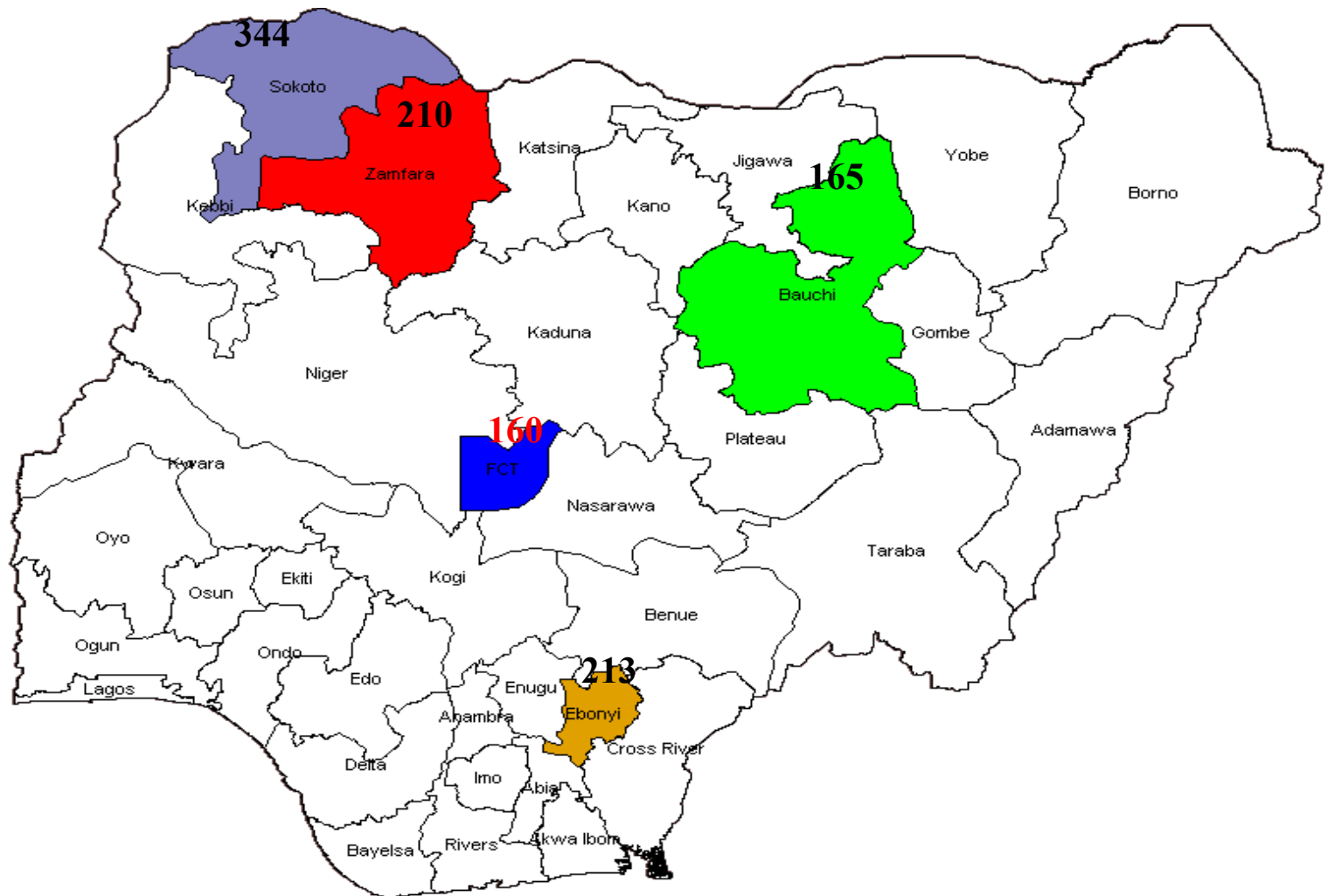




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DDIC Supported States – 1092 Facilities





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DDIC Model

Logistics data
available for
decision making



Visibility in
the supply
chain



Increased product
availability



Ebonyi: 213
Bauchi: 165
Sokoto: 344
Zamfara: 210
FCT: 160

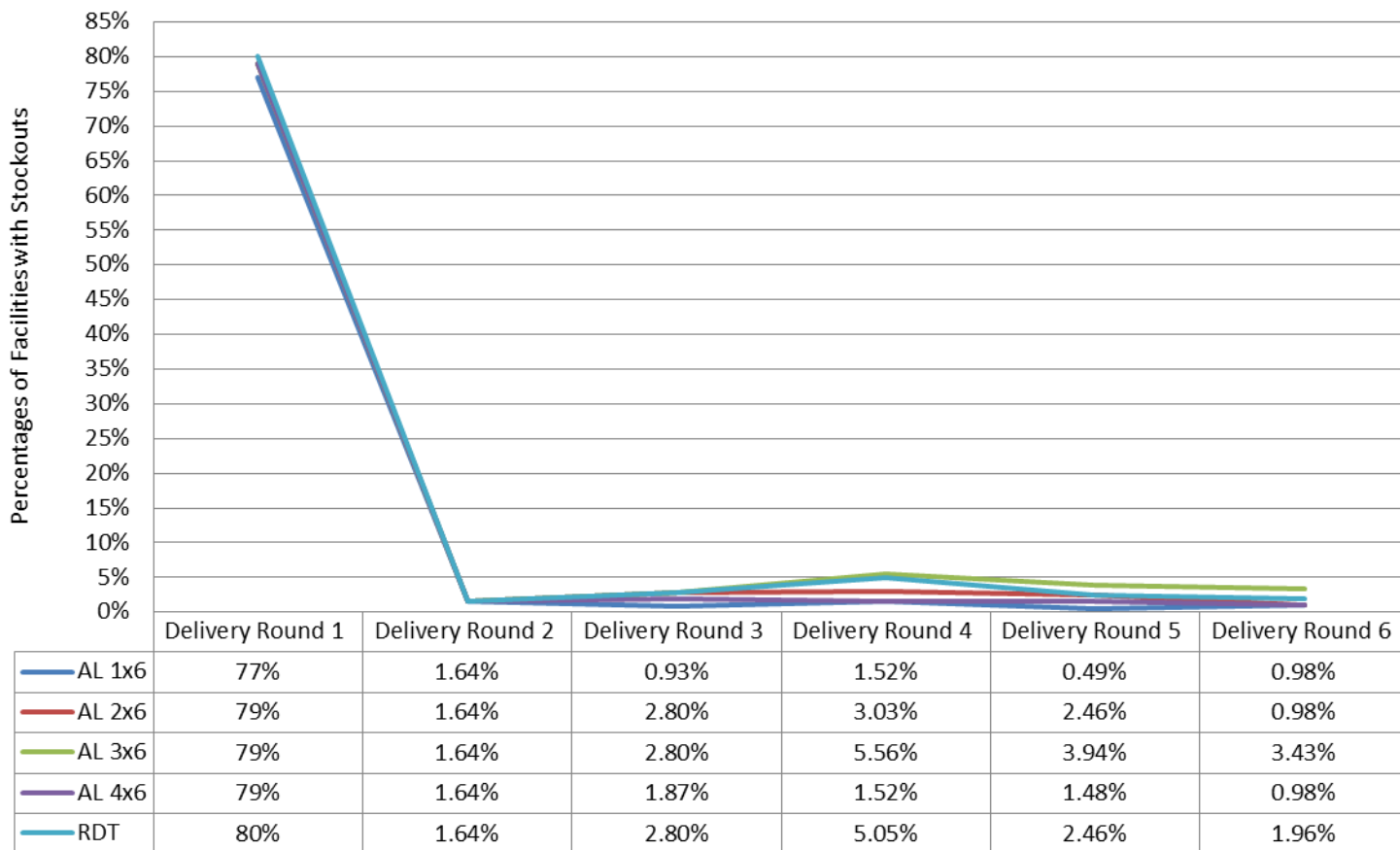
Health workers focused
on providing services



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Improving Malaria Commodities Availability, Ebonyi State

Malaria Commodity Stockout Rates Delivery Rounds 1 - 6

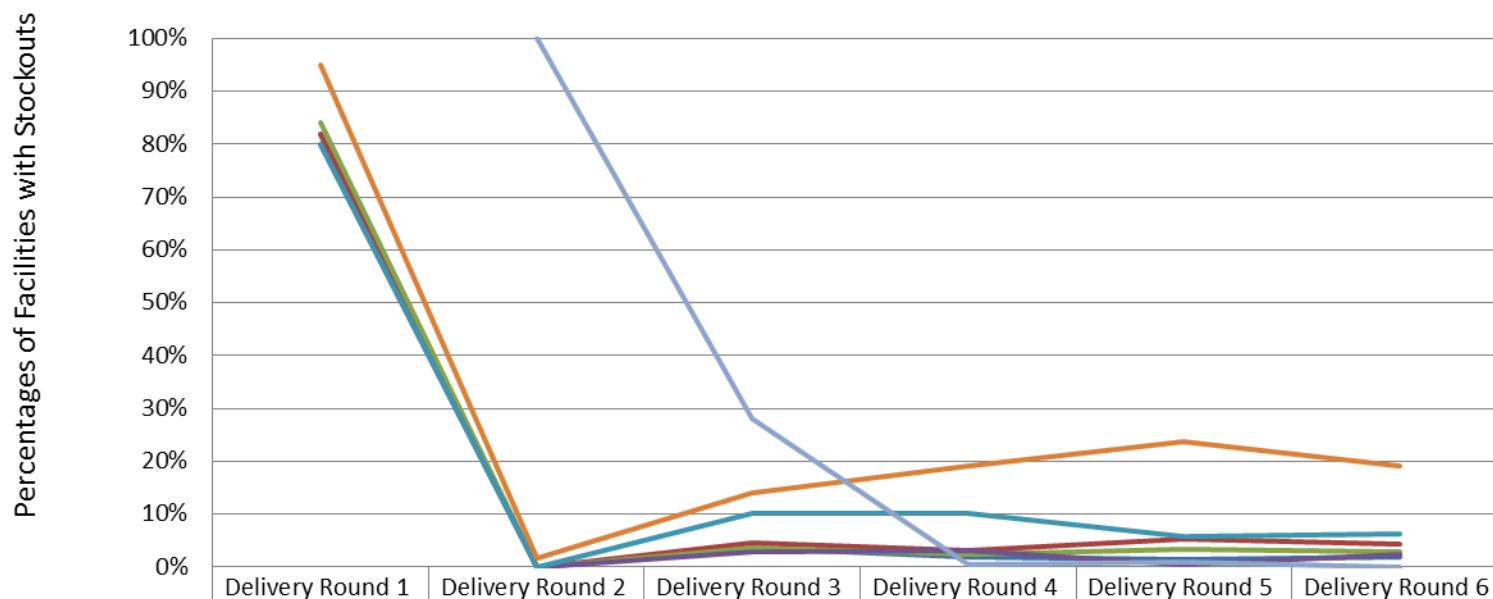




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Improving FP and MNCH Commodities Availability, Ebonyi State

FP and MNCH Commodity Stockout Rates Delivery Rounds 1 - 6



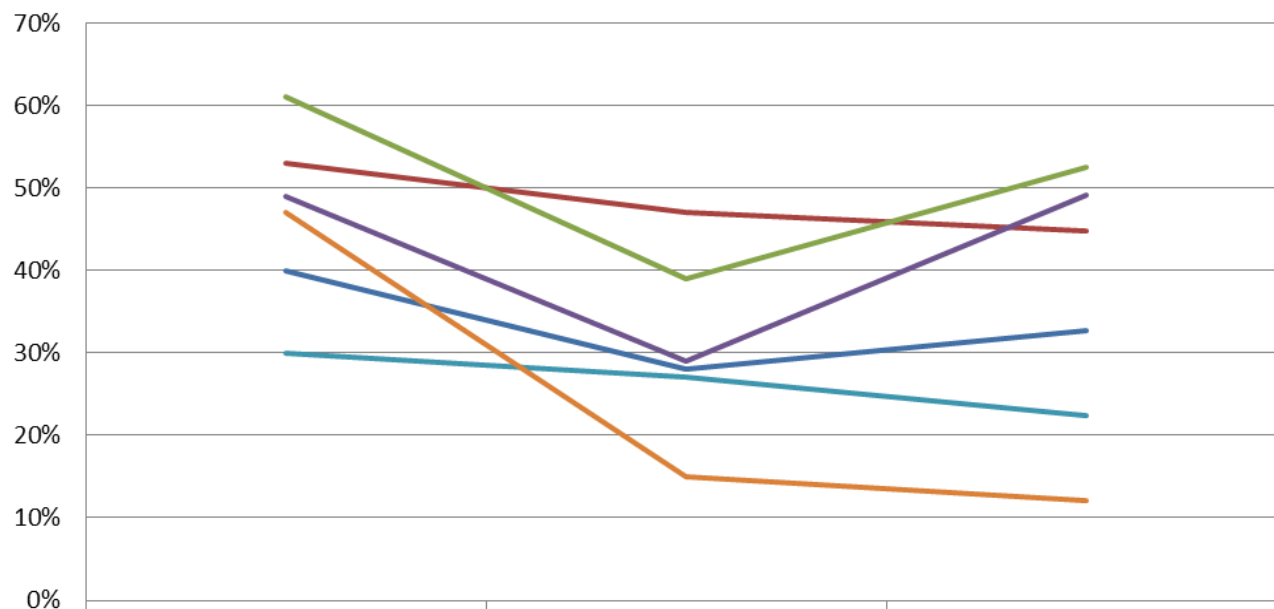
	Delivery Round 1	Delivery Round 2	Delivery Round 3	Delivery Round 4	Delivery Round 5	Delivery Round 6
Microgynon	82%	0%	3.74%	2.02%	1.48%	1.96%
Microlut	82%	0%	4.67%	3.03%	5.42%	4.41%
Depo Provera	84%	0%	3.74%	2.53%	3.45%	2.94%
Noristerat	80%	0%	2.80%	3.03%	0.49%	2.45%
Male condom	80%	0%	10.28%	10.10%	5.91%	6.37%
Misoprostol	95%	1.64%	14.02%	19.19%	23.65%	19.12%
Magnesium Sulfate		100%	28.04%	0.51%	0.99%	0.00%



Improving Malaria Commodities Availability, Bauchi State

Malaria Commodity Stockout Rates Delivery Rounds 1 - 3

Percentage of Facilities with Stockouts



	Stockouts Delivery Round 1	Stockouts Delivery Round 2	Stockouts Delivery Round 3
Artemeter Lumefantrine, 1 x 6 tabs	40%	28%	32.76%
Artemeter Lumefantrine, 2 x 6 tabs	53%	47%	44.83%
Artemeter Lumefantrine, 3 x 6 tabs	61%	39%	52.59%
Artemeter Lumefantrine, 4 x 6 tabs	49%	29%	49.14%
RDTs	30%	27%	22.41%
Sulfadoxine-Pyrimethamine tabs	47%	15%	12.07%

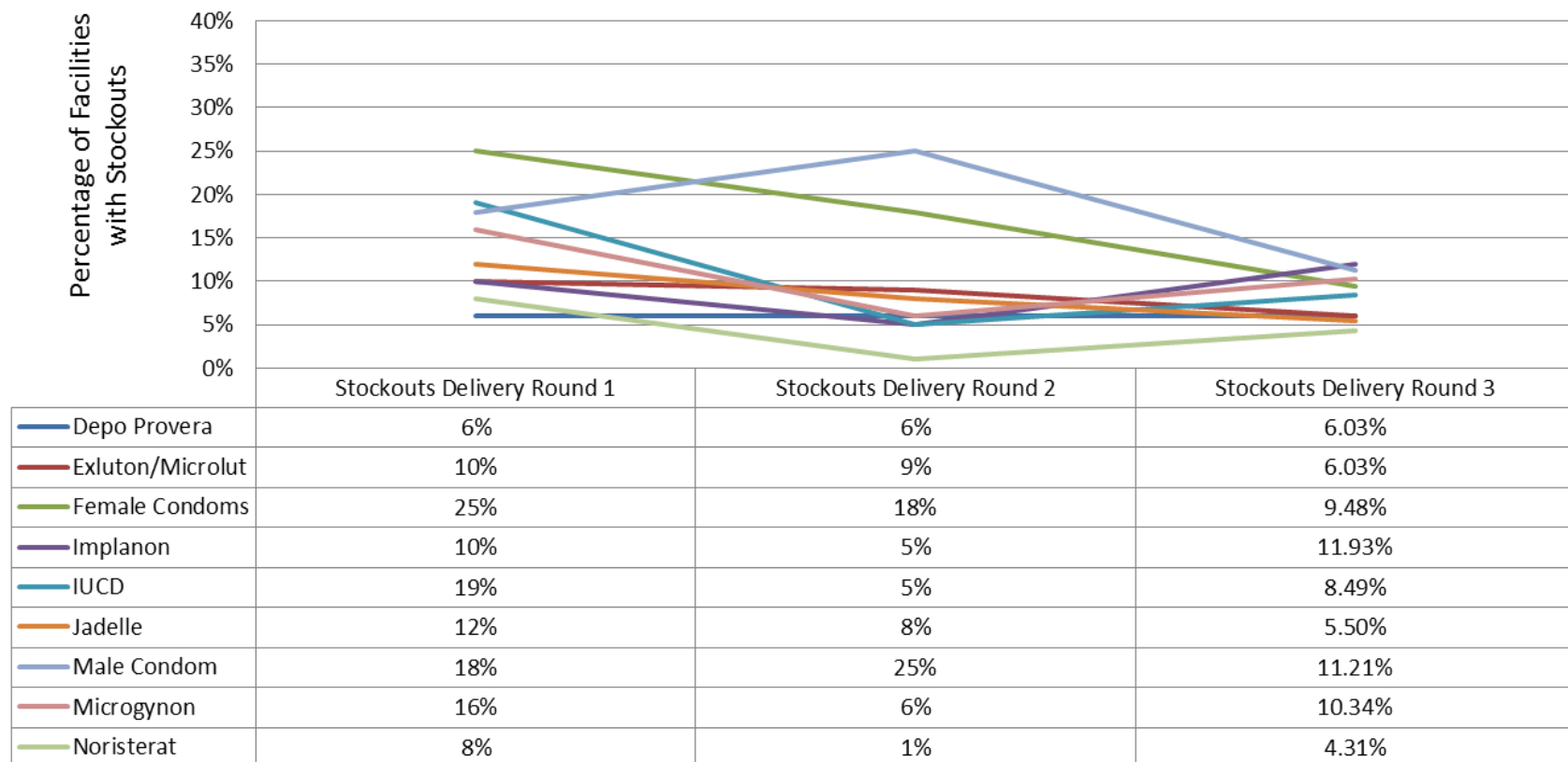


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Improving FP and MNCH Commodities Availability, Bauchi State

RH and MNCH Stockout Rates Delivery Rounds 1 - 3

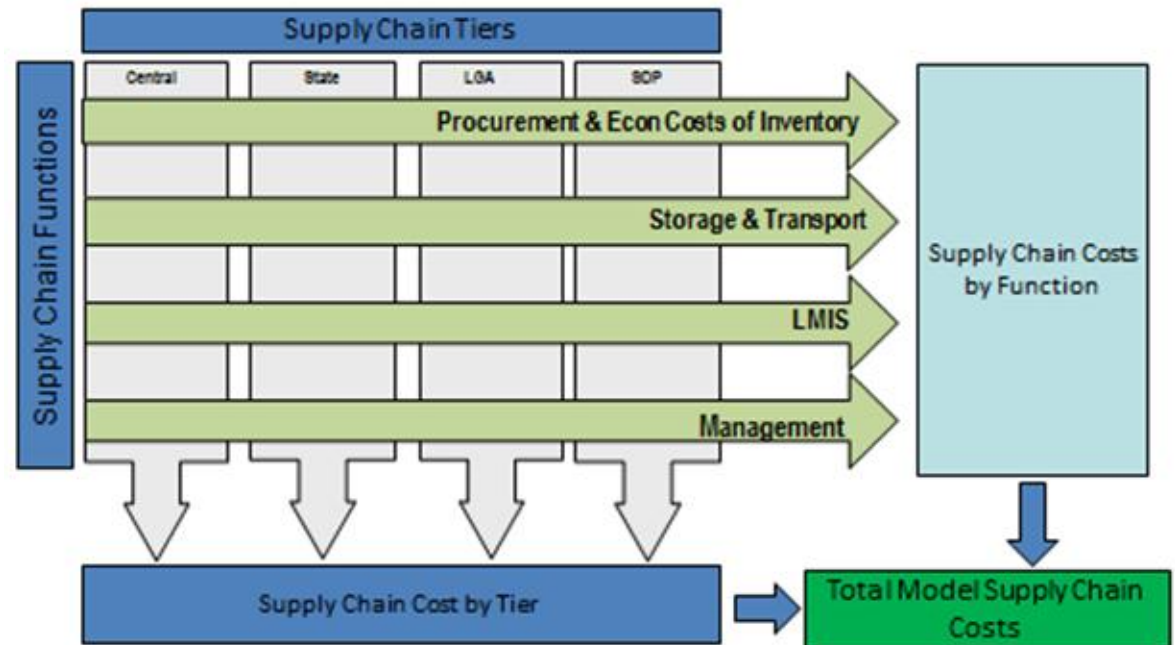




The DDIC Cost Effectiveness Evaluation

- Cost effectiveness evaluation currently underway.
- Questions
 - Can the DDIC effectively ensure the delivery of commodities to facilities, and effectively capture key commodity availability information?
 - Is the DDIC system affordable?
- Strategy
 - DDIC pilot implementation in Bauchi & Ebonyi
 - Comparison with existing distribution systems.
 - Malaria, reproductive health, and HIV.
 - Comparison across states and within states.

Supply Chain Costing Framework – For Each State-Model Combination

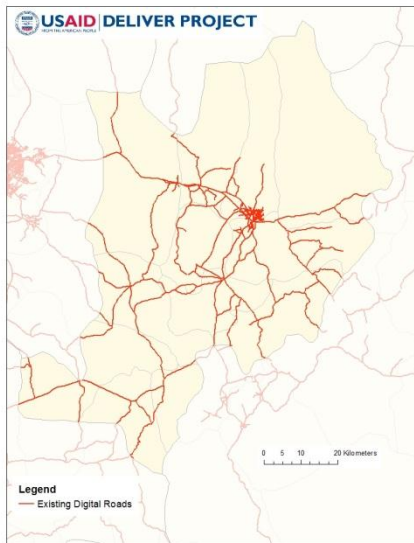




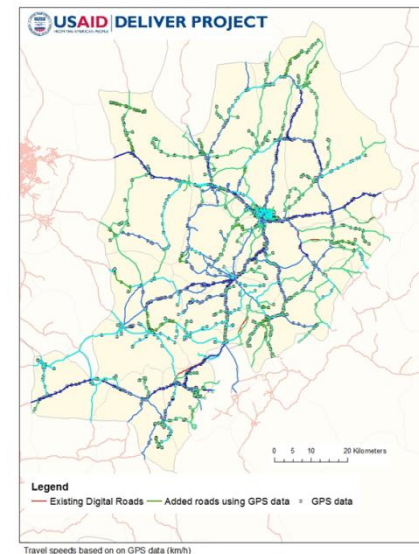
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Route Optimization

Existing Publically Available Digital Road Network, Ebonyi State, Nigeria



New Digital Road Network with **GPS Tracks, Roads, and Travel Speeds** Based on GPS Data collected with DDIC Delivery Trucks, Ebonyi State, Nigeria



- Analyze how we can most efficiently plan delivery rounds for both the dry and wet seasons.
- Provide better insight into how delivery rounds are being executed by GHIL-L. Opportunity to provide feedback.
- The GIS and modeling will create maps and charts that can be shared with stakeholders for improved decision making.



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Pilot to Adopted System

- National post-pilot stakeholders meeting to present results of cost effectiveness study
- Stakeholder meetings in Bauchi and Ebonyi to discuss transition plans
- Engagement with Nigeria government at all levels
- Use of public sector personnel as DDIC Team Leaders
- Collaborative efforts with various agencies in the country
- Integrating commodity distribution for different health programs

Proof of Concept



Institutionalization



Expansion





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DDIC Key Achievements



The system in action- the DDIC delivery team is resupply a health facility while facility staff attend to patients.

- Increased product availability
- Data availability for decision making (forecasting, supply planning)
- Private sector engagement through third-party logistics provider (3PL) for transportation
- Health workers focused on providing services
- Customer/client satisfaction



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Challenges

- Funding
 - Currently donor driven
 - Transition ?
- Commodities availability at central level
- Ownership
- Private sector involvement
 - engagement by the state
 - Capacity to manage contract
 - Willingness to outsource



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Thank you