



The Role of the Private Sector in Resolving Current Challenges in Public Health Supply Chains in Enugu State, Nigeria: Implications for post-Covid-19 Policy and Operational Improvements

Prof. Patrick Oseloka EZEPUE*

Assoc. Prof. Henry Uro-Chukwu**

Department of Mathematics & Computer Science*

Departments of Biological and Chemical Sciences**

Coal City University, Enugu State, Nigeria

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Outline of the presentation

- Aim, objectives | deliverables
- Methodology
- Strategies for data analysis re Research Methods Canvas
- Expected contributions to knowledge (CsTK)
- Policy Implications
- Post-study interventions



Aim, objectives and deliverables

Aim of the research

- to map the baseline of current **challenges** in public health **supply chains, policies, systems, and practices**, with a focus on the **role of the private sector** in resolving the challenges and improving access to and affordability of basic health services, medicines, and devices, in Enugu State, Nigeria, post-COVID-19, in line with **global best practices** in public health supply chain management.

Scope

1. The **formal sector** which includes Ministry of Health and health related ministries, hospitals and staff at the State capital, selected LGAs in the three zones, supply chain staff includes those in finance, procurement, stores, etc
2. The **organized private sector** (banks, pharmacy companies and sales out lets, companies dealing on medical products, NGOs, donors, philanthropic organizations, transport companies, etc.)
3. The **informal sectors** (Communities, community leaders, religious leaders, town unions, local transporters, village vigilantes etc.)



Objectives and deliverables

Objectives	Deliverables (critical literature reviews, reports, transferrable lessons in and interventions for improvement in Enugu State PHSC Management, and role of the private sector in these areas)
To map current challenges and practices in PHSC management in Enugu state and globally, with the following key strands	<ul style="list-style-type: none"> • PHSC challenges in the state with prospective solutions • Comparative global challenges in PHSC management
To explore pertinent scopes for private sector roles in improving PHSC management, with the following key strands	<ul style="list-style-type: none"> • Observed opportunities compared to global ones • Role of local logistics, distribution, and warehousing companies • Promising areas of private-public sector collaboration • Suitability of expanding traditional PPP arrangements • Role of private and public health donors • Stakeholder understandings about best ways the private sector can be organized • Pathways for access to vital medicines and devices
To delineate key deliverables from the research that directly enhance improvements in PHSC management in Enugu State – particularly with respect to the following 7 core dimensions 1) public health supply chain management, 2) policy making, 3) operations, 4) systems, 5) models, and 6) practices post-COVID-19	<ul style="list-style-type: none"> • Current state of human capital in PHSCM, attainment gaps and manpower shortfalls • Requirements for developing a Model Online Integrated Hospital Information and Price Comparison Site (MOIHIPCoS) • wider contributions of the study to knowledge, including post-COVID 19 future in Enugu state.



Methodology

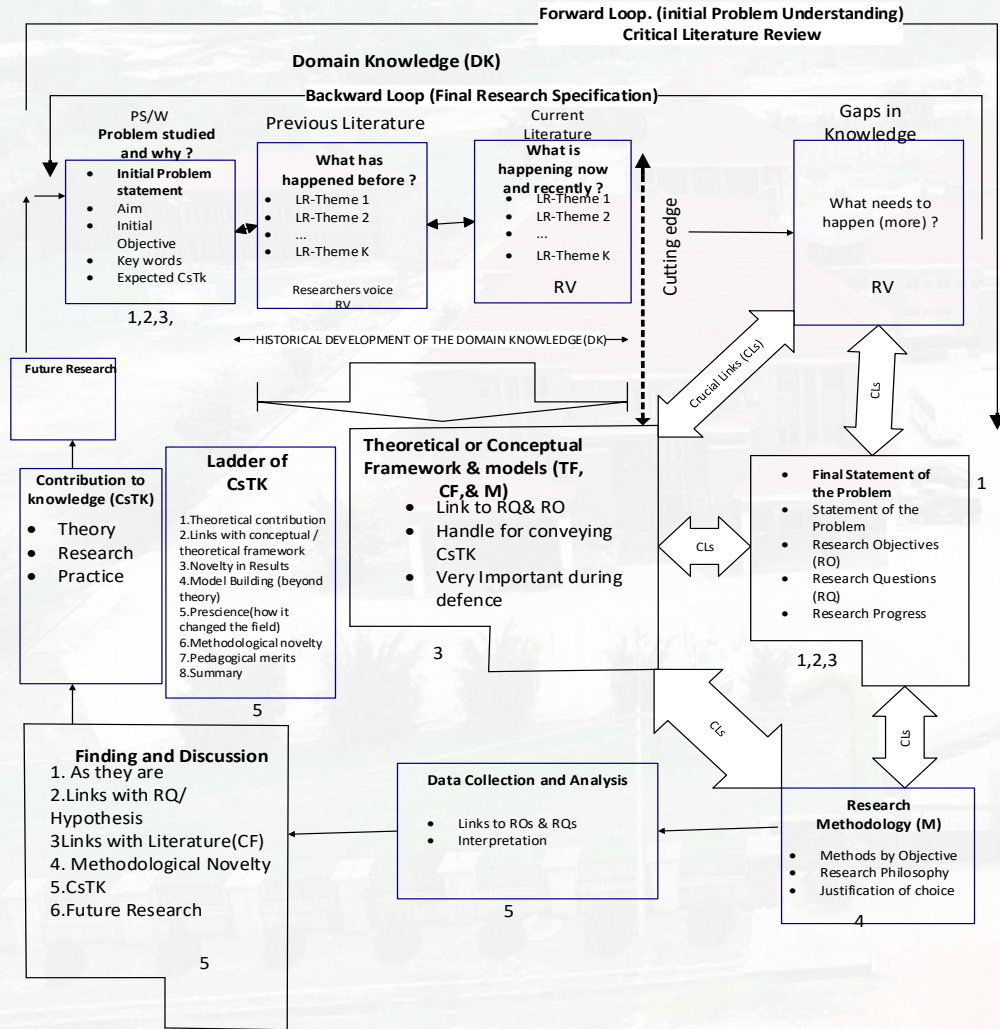
- Critical literature reviews (systematic reviews, meta-analysis)
- Case study methodology
- Supply chain and operations management constructs
- Cost-effectiveness models and health economic modelling
- **Nudge theory**, psychology and medical communications
- Information systems design; Software engineering
- TQM and Service Quality models
- Statistical Protocol Designs (**SPD**) and Statistical Analysis Plans (**SAPs**)
- Research instrument design, Qualitatively Leaning Mixed Method (**QLMM**)
- Data collection, Drop and Collect Questionnaire Survey
- Data Analysis, Findings and discussions
- Focus groups, structured interviews post data analysis follow-on interviews
- Stakeholder engagements and Insight development from the data analysis
- stakeholder interventions, mentoring, improvement and change management
- Post-study interventions and collaborations
- Across the academia, industry, government and wider society



Strategies for Data Analysis

- Using a composite Research Methods Canvas (RMC)
- Structured the proposal to accommodate
- Detailed thinking re SDPs, SAPs and
- Consideration of all parts of the RMC re
- Objectives and deliverables of the project
- Hence, for each deliverable, use the RMC to
- Decipher the data and insights it requires
- Hence, we adopt a QLMM approach to obtain
- a) Rich qualitative insights from respondents' opinions and
- b) Basic statistics for capturing the degrees of belief, etc.

The Research Framework: A One-Page Schematic of an entire Research Program





Expected CsTK

- As in the objectives and deliverables
- Wider stakeholder benefits
- Patients, academics, students
- PHSC staff
- SMOH and hospitals management
- Nigerian Food and Drug Administration (NAFDAC)
- Nigerian Centre for Disease Control (NCDC)
- Private sector firms
- Different therapeutic areas
- Methodological CsTK
- Case study in design of related studies
- Enugu State, Nigeria and Africa re UK NICE, etc.



Policy Implications

- Again as in the deliverables
- Implications re Objective 3 recalled below:
- To delineate key deliverables from the research that directly enhance improvements in PHSC management in Enugu State – particularly with respect to the following 7 core dimensions 1) public health supply chain management, 2) policy making, 3) operations, 4) systems, 5) models, and 6) practices post



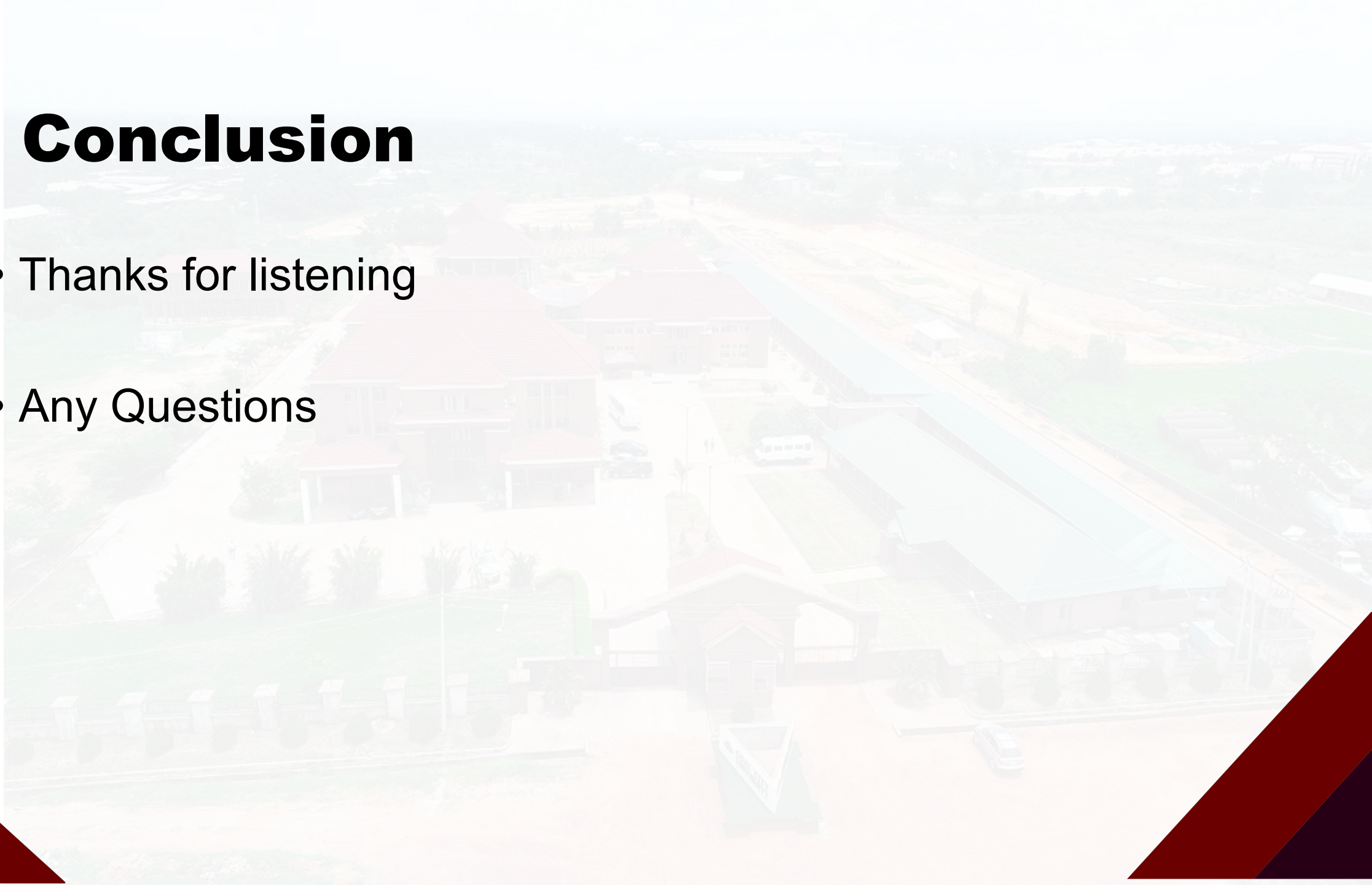
Post-study interventions

- As in the deliverables
- As in the expected CsTK
- Four Forces
- Across academia
- Industry
- Government
- Wider Society
- Working with stakeholders in these spheres



Conclusion

- Thanks for listening
- Any Questions





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