

08 June 2017

Crazy Ideas

Building a System Design Mindset

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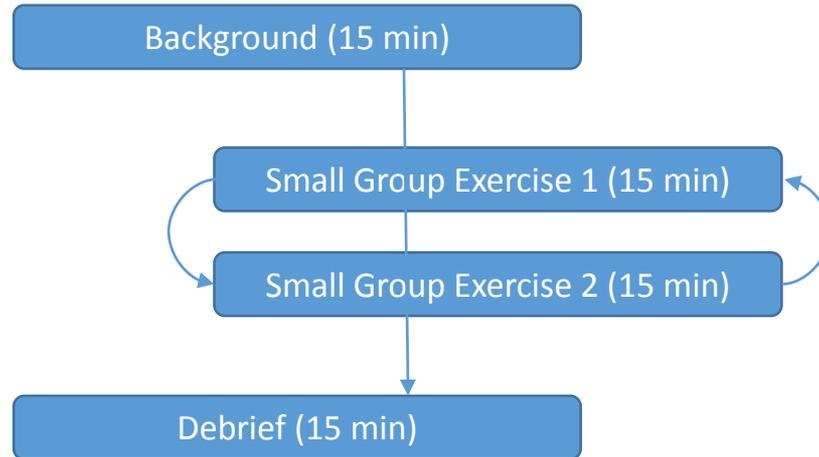
Ryan McWhorter, UNICEF

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Plans



Who are we?



- **Erin Larsen-Cooper**, Senior Manager, Health Systems
- Likes: supply chains, data, board games
- Dislikes: people who don't laugh at my jokes



- **Ryan McWhorter**, Supply Chain Specialist @ UNICEF SCSC
- Likes: iSC, Data, System Design, presentations with few words
- Dislikes: Curried herring, presentations with lots of words



What is System Design?

WHAT

(Noun) A continuous improvement approach that is evidence-based, measuring KPI's that are both quantitative (e.g., product availability) and qualitative (e.g., risk, community will);

*...Encompassing a holistic, **system** approach that incorporates people (stakeholders, decision-makers, and other contributors), activities, processes, products, infrastructure, money, incentives, and other related systems in their unique contexts.*

*...Informing decisions in the **design** or blueprint of a supply chain plan, recognizing the as-is and to-be state by illustrating trade-offs, using local knowledge, best-practice, and curiosity to outline, prioritize, and implement supply chain alternatives;*

HOW

A system design approach can help answer these questions using the following steps:

1. ANALYSIS and RECOMMENDATIONS
 - a. **Advocate and Introduce** the concepts to stakeholders and decision-makers to clarify scope, interest, and opportunities
 - b. **Model, Validate, and Optimize** the existing supply chain, potential future needs, and analyze scenarios to highlight improvements
 - c. **Prepare an action plan** that reflects known barriers, stakeholders, funding and risks
2. PHASED IMPLEMENTATION
 - a. **Implement** the recommendations of the plan using a targeted, phased approach
 - b. **Evaluate** the project and decide how to expand the implementation
 - c. **Expand** the implementation, model and optimize a new set of questions

What is System Design?

Chaos

Supply Chain Structure

Inventory Policies

Visibility

Distribution Policies

SOP's

Information

Sometimes the “System Design” is the barrier to performance improvement...



Vaccine Simulation Game

Why this Topic?

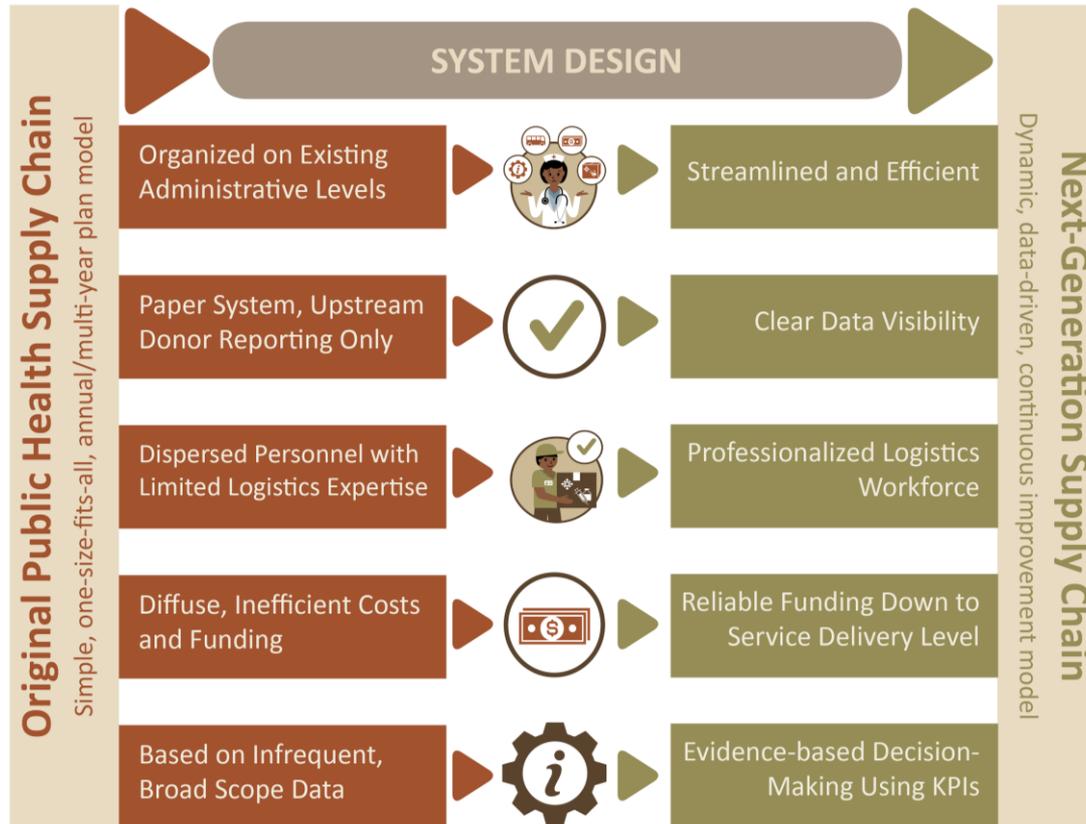


“What if we don’t change at all ...
and something magical just happens?”

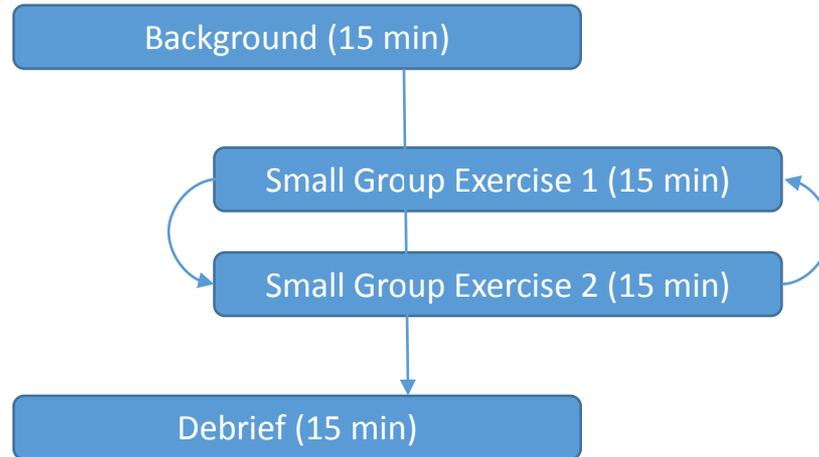
System design can:

- Make room for creative thinking and “crazy ideas”
- Define aspirations for what the supply chain can do
- Create a blueprint or plan for how the supply chain should operation

Next Generation Supply Chains



Plans

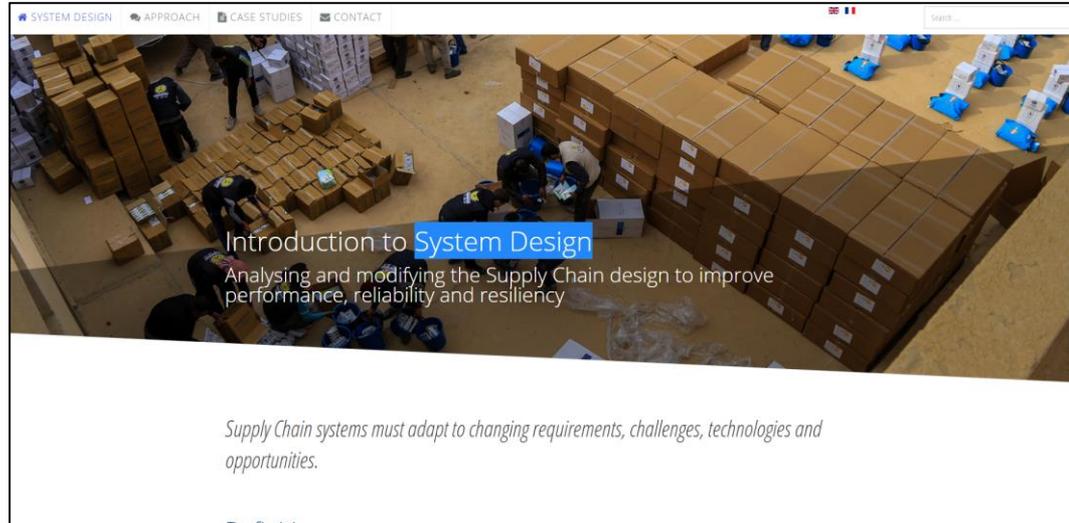


Debrief



- Feedback?
- Would this work in your context?
- What ideas do you have?
- What barriers would you expect?

More Info



<http://www.technet-21.org/iscstrengthening/index.php/en/system-design>

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unicef 

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Thank You

