UNFPA's risk based approach to quality control and monitoring of time and temperature sensitive health products

Linda Serwaa on behalf of Johnson Moyo
Product Quality Assurance Team, SCMU
&
Joanna Trachimowicz
Team Lead, Logistics & Shipping
Supply Chain Management Unit, UNFPA

Agenda

- Introduction
- Risk Assessment
- Product Profiling
- SOPs and Guidance Documents
- Training and Awareness
- Data Analysis and Continuous Improvement
- Supply Chain Collaboration
- Challenges & Opportunities
- Logistics Management

Introduction

- UNFPA's TTSHP Program
- A risk based approach to fulfil mandate of supplying quality assured products to end users.
- Rolled out November 2021

UNFPA Supply Chain Management Unit

Risk Assessment

- Assessment of :
  - sensitivity of products to temperature variations
  - inherent risks in various modes of transportation

- Inputs from
  - Manufacturers
  - Specialist Consultants
  - In-house expertise

Product Profiling

UNFPA Freight Conditions Requirements for RH medical products

Product category	Subcategory / or product name	SEA Freight conditions AND ROAD transport over TWO WEEKS	Air freight
Pharmaceuticals - Temperature sensitive products	Currently Oxytocin, Ergometrin (under Oxytocics category), Anti-D (RhO) immunoglobulin 300mcg, Test Rhesus, anti-D (other pharmaceuticals) and Test blood-group, anti-A, Test blood-group, anti-AB, Test blood-group, anti-B (under Diagnostics and Lab reagents category).	Temperature controlled 2-8 °C (Reefer containers) AND DATA LOGGER	1. Up to three days, PASSIVE Container can be used 2. Longer than 3 days- ACTIVE Container 3. Smaller aircrafts (cannot accommodate reefer container)- PASSIVE
Medical Devices	Anatomical Models (as categorized in UNFPA catalog)	General cargo and NO data logger	NO data logger

SOPs and Guidance Documents

1. SOPS
    a. Operationalizing temperature monitoring of TTSHPs
    b. Temperature monitoring - Placement of data loggers in shipments
    c. Temperature data retrieval and analysis
    d. Handling temperature excursions

1. Guidance Documents
    a. Freight Conditions Guidelines for RH Medical Products
    b. Frequently asked Questions

Training and Awareness

Webinars and Document Sharing With:

- Colleagues
- Suppliers
- TPP partners

Data Analysis and Continuous Improvement

1. Record all deviations in the ‘Deviation/Non-conformance Log

1. Periodic analysis of trends
   a. Products
   b. Mode of transport
   c. Locations

1. Collaborate with suppliers on changes to requirements and new regulations

Supply Chain Collaboration

- Respond to queries for exemption to reefer and data logger inclusion

- Risk versus benefit versus costs
  - availability of appropriate vessels/vehicles

Challenges & Opportunities

- Reliance on human factor to report excursions
  - option to use cloud based tools with WiFi enabled DL
- Monitoring to the last mile
  - Multi-use DL
- Reluctance of carriers to have DL in general cargo
- Cost and availability of reefers/aircraft cold chain.
- Increasing number of suppliers wanting all TTSHP to go into reefers.

Logistics Management

- Logistics function at UNFPA SCMU
- Identifying transport solutions
- Operationalization of the TTSHP project
- Ensuring end to end visibility

Thank You