



# LESOTHO'S IMMUNISATION SUPPLY CHAIN: USING DATA TO GUIDE DECISIONS TO REDUCE CLOSED VIAL WASTAGE OF COVID-19 VACCINES.

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## SOME VACCINE WASTAGE IS INEVITABLE

- For all vaccines, the GAVI Alliance recommends countries to aim for a maximum wastage rate of 25% for the first year, with a gradual reduction to 15% by the third year.
- For calculations on COVID-19 vaccines delivery, COVAX uses a 10% vaccines wastage rate, though countries should strive for less wastage.

### CLOSED VIAL WASTAGE

- vaccine expiry and loss of product integrity in the supply chain.
- non-compliance to storage temperature and other distribution requirements.

A KEY LOGISTICAL CHALLENGE WITH COVID-19 VACCINES IS THE SHORT EXPIRATION DATE THAT, DESPITE RECENT SHELF- LIFE EXTENSIONS, REMAINED WELL UNDER 1YEAR IN THE FIRST YEARS OF COVID19 INTRODUCTION.

## SUPPORTED MINISTRY OF HEALTH LESOTHO IN WEEKLY STOCK SITUATION REPORTS WHICH HELPED IN MANY WAYS:

Name of District	Utilization rate per week	Stock Balances	Number of weeks before expiry data 31st dec 2023	Number of Doses at Risk of Expiry
Maseru	3,329	3,646	1	0
Mafeteng	865	4,998	6	0
Mohaleshoek	169	2,142	13	0
Quthing	1,022	4,426	4	0
Qachasneck	42	1,980	48	0
Thaba-Tseka	222	1,730	8	0
Mokhotlong	58	1,068	19	0
Butha-Buthe	640	1,980	3	0
Leribe	2,031	1,251	1	0
Lerea	1,992	5,942	3	0

- Collected data on daily consumptions using an excel based sheet.
- Provided the utilization rate per week per district.
- Provided the current stock balances.
- Based on utilization rate, the data provides number of doses at risk of expiry.

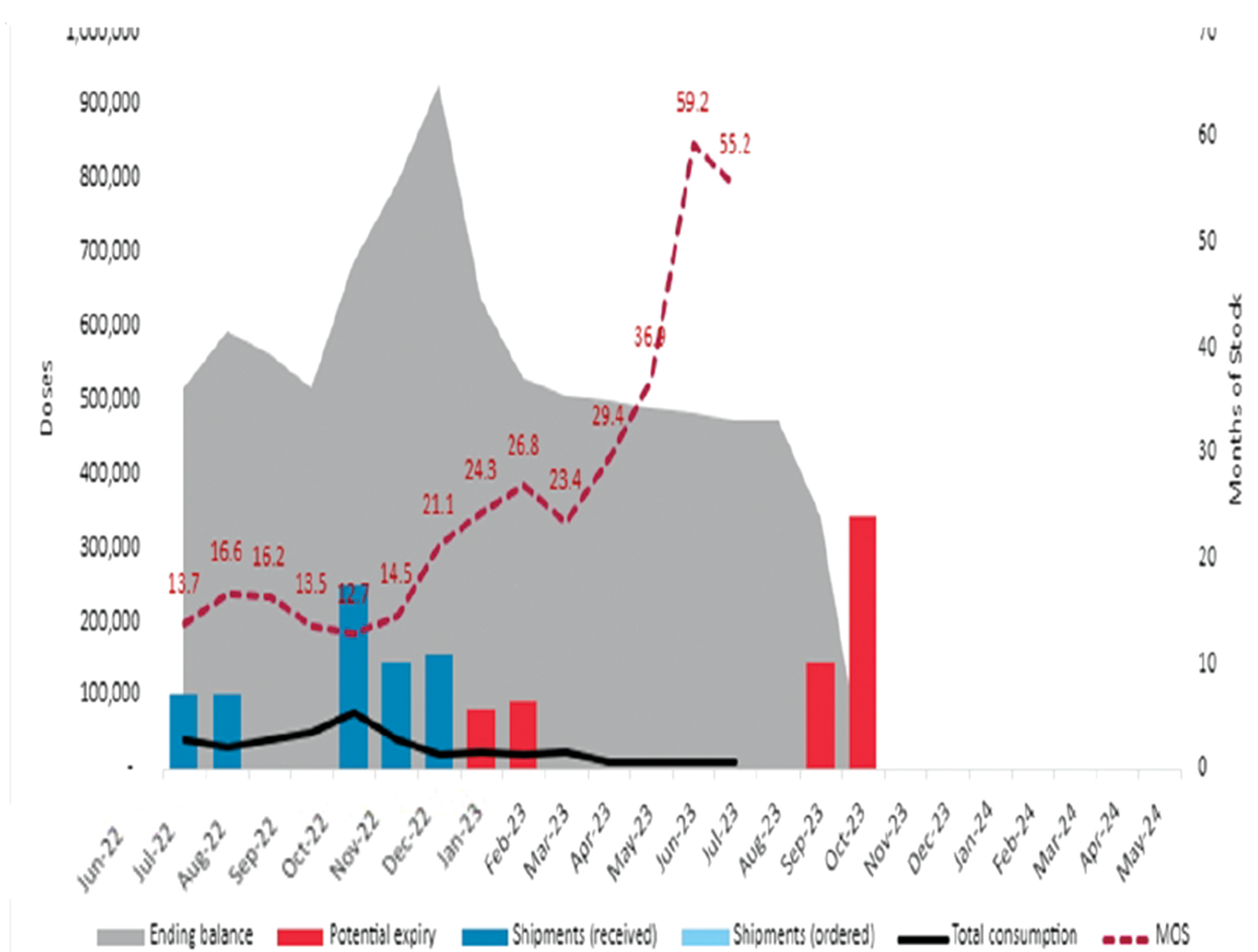
### HOW IT HELPED REDUCE CLOSE VIAL WASTAGE.

This can now help national logistician to decide where to redistribute vaccine from places of low utilization rate to high utilization rate.  
This also provided guidance on the forecast and supply planning of COVID19 vaccines for the country

## CHAI THROUGH USE OF THE VCSP TOOL (SUPPORT FROM JSI) SUPPORTED MINISTRY OF HEALTH IN COLLECTING CONSUMPTION DATA FROM THE SDPS.

- This was used to calculate the time the stock will last (in Months) from all levels of supply chain in Lesotho.
- Provided data on the quantity of vaccines at risk of expiry from all levels of supply chain.
- Provided information of the consumption rate over time.
- This has helped in predicting the future consumptions patterns and helped in deciding whether to accept/decline donations coming to Lesotho to minimize closed vial wastage.

### LESOTHO'S CONSUMPTION PATTERNS, DOSES AT RISK OF EXPIRY AND THE TIME THE STOCK WILL LAST IN MONTHS FROM JUNE 2022-AUGUST 2023



IF YOU ARE INTERESTED IN THIS PRESENTATION PLEASE TALK TO MOROKE MOTUBA ([mmotuba@clintonhealthaccess.org](mailto:mmotuba@clintonhealthaccess.org)).