

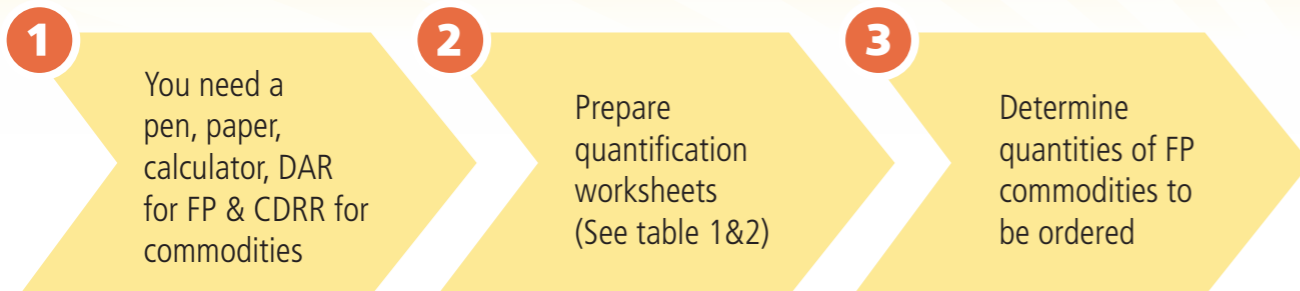


MINISTRY OF HEALTH

# Health Workers Job Aid for Quantification of FP Commodities at facility level

Quantification is the process used to determine how much of a product is required for the purpose of procurement or ordering from the supplier(s).

## Preparation



For each FP commodity, follow the steps listed below

**Step 1**

- Determine **Consumption Period (CP)** i.e. period over which consumption is being reviewed in months e.g 3 months, (i.e: Jan, Feb & March)

**Step 2**

- Determine **Consumption (C)** i.e. quantity dispensed during Consumption Period(CP)- see table 1 below. If there was a stock out during Consumption Period (CP), adjust as in example in table 2 below.
- NB:** CP must be in months

**Step 3**

- Calculate **Average Monthly consumption (AMC)**.
- AMC = C/CP(in months)

**Step 4**

- Calculate **Maximum Months of Stock (Max MOS)**.
- Max MOS = Desired CP +Buffer. E.g. if required order period is 3 months and buffer required is for 1 month, therefore Max MOS will be 3+1 = 4 months

**Step 5**

- Calculate **Maximum Stock Level (MSL)** i.e. maximum quantity that a facility should have at any one time.
- MSL = AMC x Max MOS

**Step 6**

- Conduct physical count for each item to get your **Stock on Hand (SoH)**

**Step 7**

- Calculate **Quantity to Order (QO)**. QO =MSL - SoH
- Order through SORF (Public sector) or CDRR (Private sector)

### Example:

1. Table 1: Quantification Worksheet - when there is no stock out

Consumption (C)	Average Monthly Consumption (AMC)	Maximum Stock Level (MSL)	Stock on Hand (SOH)	Quantity to Order (QO)
Quantity dispensed in 3 months (90 days)	$\frac{C \text{ (Units)}}{CP \text{ (Months)}}$	AMC x Max MOS	Closing stock in units	MSL – SOH
600	$\frac{600}{3} = 200$	200 x 4 = 800	400	800 – 400 = 400

## Adjusting consumption for stock out

Calculate adjusted consumption for stock outs (C2)

$$C2 = C \times \frac{CP(\text{in days})}{\text{Period in stock (in days)}}$$

### Example:

Given that CP is 90 days and the product was stocked out for 30 days, then period in stock is (90days – 30 days) = 60 days

2. Table 2: Quantification Worksheet - when there is stock out

Consumption (C)	Adjusted Consumption for stock-out (C2)	Average Monthly Consumption (AMC)	Maximum Stock Level (MSL)	Stock on Hand (SOH)	Quantity to Order (QO)
Quantity dispensed in 3 months (90 days)	$C \text{ (units)} \times \frac{CP \text{ (days)}}{\text{Period in stock (days)}}$	$\frac{C2 \text{ (Units)}}{CP \text{ (months)}}$	AMC x Max MOS	Closing stock in units	MSL – SOH
600	$\frac{600 \times 90}{60} = 900$	$\frac{900}{3} = 300$	300 x 4 =1200	400	1200 – 400 = 800

