

# **Market Analysis Unit**

**May CWG Meeting**

**June 8, 2023**

# Market Price Report



The Market Analysis Unit (MAU) is a research unit commissioned by Mercy Corp Myanmar in 2020 to **help donors and humanitarian/development actors understand the impact of emerging crisis on markets in Myanmar.**

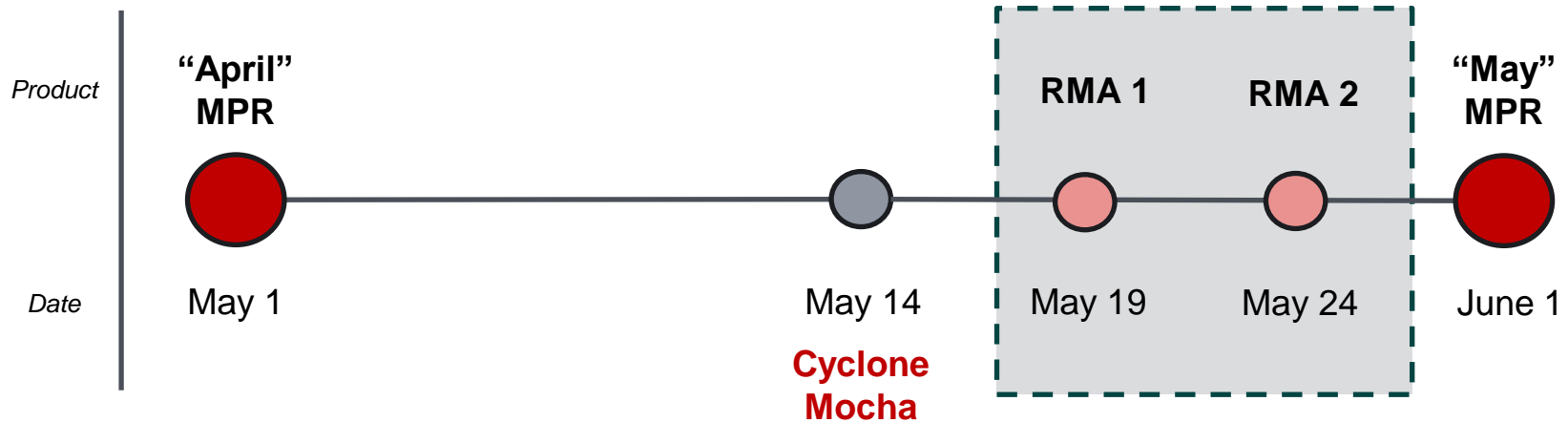
- **Crises** – Armed conflict, environmental disasters, COVID-19, market events, etc.
- **Markets** – Household commodities, logistics, labor, agriculture, import/export, etc.

Core MAU research products include:

- **Market Price Reports (MPRs)** – Price monitoring
- **Market Snapshots** – Market analysis
- **Commercial Transport Reports (CTRs)** – Transport mapping
- **Household Surveys** – Livelihoods and living conditions
- **Deep Dives** – Various

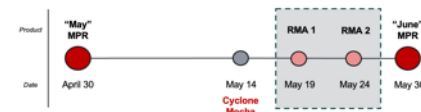
# Market Price Report

## Post-Cyclone



# Market Price Report

## Post-Cyclone



Price for May 19, 2023 (MMK)

Product	Category	Sittwe	Mrauk-U	Ponnagyun	Sittwe	Mrauk-U	Ponnagyun
Better Rice (1 kg)	Essential Foods	2,200	2,700	3,500	10%	69%	94%
Cheaper Rice (1 kg)	Essential Foods	1,300	1,500	1,500	-13%	15%	7%
Palm Oil (1 liter)	Essential Foods	5,500	4,300	5,000	10%	-	0%
Pulse (1 viss)	Essential Foods	4,200	6,000	6,000	-35%	-8%	9%
Toothpaste (140 g)	Hygiene	1,800	1,500	1,900	38%	0%	19%
Soap (60 g)	Hygiene	1,500	1,500	1,500	25%	25%	50%
Sanitary Pad (10 pc)	Hygiene	1,500	1,000	1,000	15%	0%	0%
Blanket	Shelter	7,500	12,000	14,000	-12%	0%	17%
Mosquito Net	Shelter	9,500	-	9,000	90%	-	100%
Plastic Tarpaulin	Shelter	12,000	9,200	12,000	54%	15%	60%
Jerry Can	Shelter	-	4,500	-	-	-	-

Percent Change (since May 1, 2023)

Price for May 24, 2023 (MMK)\*

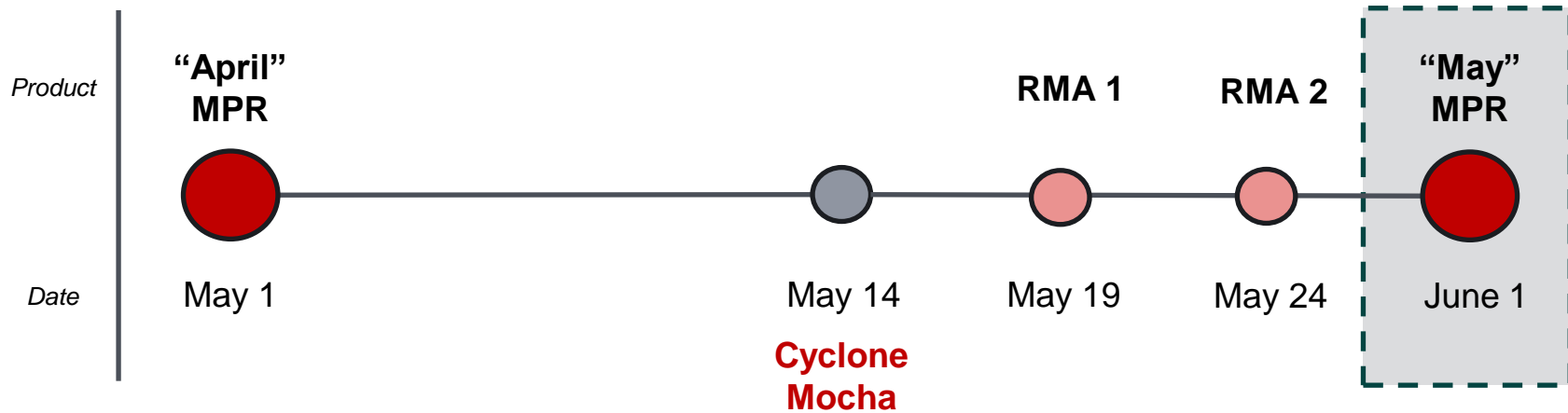
Product	Category	Rathedaung	Minbya	Pauktaw	Kyauktaw	Rathedaung	Minbya	Pauktaw	Kyauktaw
Better Rice (1 kg)	Essential Foods	2,300	1,900	2,200	2,700	5%	6%	38%	35%
Cheaper Rice (1 kg)	Essential Foods	1,400	1,500	1,700	1,800	-18%	7%	31%	0%
Palm Oil (1 liter)	Essential Foods	4,800	4,500	5,000	5,000	-13%	-5%	-33%	-38%
Pulse (1 viss)	Essential Foods	5,000	6,500	5,800	5,700	0%	12%	5%	-5%
Toothpaste (140 g)	Hygiene	1,800	2,000	1,500	1,500	20%	11%	0%	15%
Soap (60 g)	Hygiene	1,500	1,500	1,500	1,500	50%	50%	67%	50%
Sanitary Pad (10 pc)	Hygiene	1,000	1,100	1,100	1,200	-23%	10%	-8%	20%
Blanket	Shelter	9,000	11,000	7,000	8,500	29%	29%	27%	112%
Mosquito Net	Shelter	8,000	8,500	8,000	8,000	45%	-	14%	23%
Plastic Tarpaulin	Shelter	35,000	24,000	20,000	24,000	367%	200%	317%	300%
Jerry Can	Shelter	4,000	6,000	-	5,000	-50%	-25%	-	-

Percent Change (since May 1, 2023)

\*Kyauktaw prices for May 20, 2023.

# Market Price Report

## Post-Cyclone



# Market Price Report



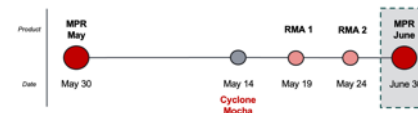
## MPR Data/Sources

Regions	Markets	Products	Vendors	Datapoints
Northwest	9	29	135	750
Southeast	5	29	75	400
Combined	14	29	210	1150

# Market Price Report

## Rakhine, Chin

### Price Changes by Product

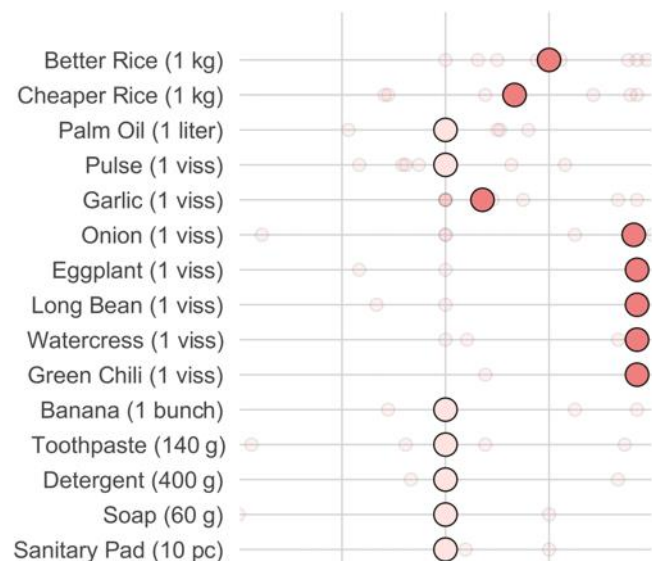


#### Product-Level Price Changes

**Essential Foods** – Rice prices increased for a second straight month in May, climbing 10% or more in most markets. Most markets saw prices increase at least 10% for cheaper rice and at least 20% for better rice (on top of earlier increases in April). Prices for palm oil and pulses were generally stable in May, although they too rose in Sittwe, Minbya and Ponnagyun.

**Vegetables** – Vegetables logged a third month of sharp price increases in May, and many common items were unavailable. Most markets monitored saw prices for onion, eggplant, long bean, watercress and green chili increase by at least 30% in May, and often price increases were much higher. Vegetable stockouts were common—particularly in Minbya, Mrauk-U, Paletwa, and Pauktaw—likely due to crop damage from Cyclone Mocha.

Chart 1. Median Price Change (One Month)



# Market Price Report

## Rakhine, Chin

### Price Changes by Product



**Hygiene Products – Prices for hygiene products returned to pre-cyclone levels in May, although prices rose in Kyauktaw.**

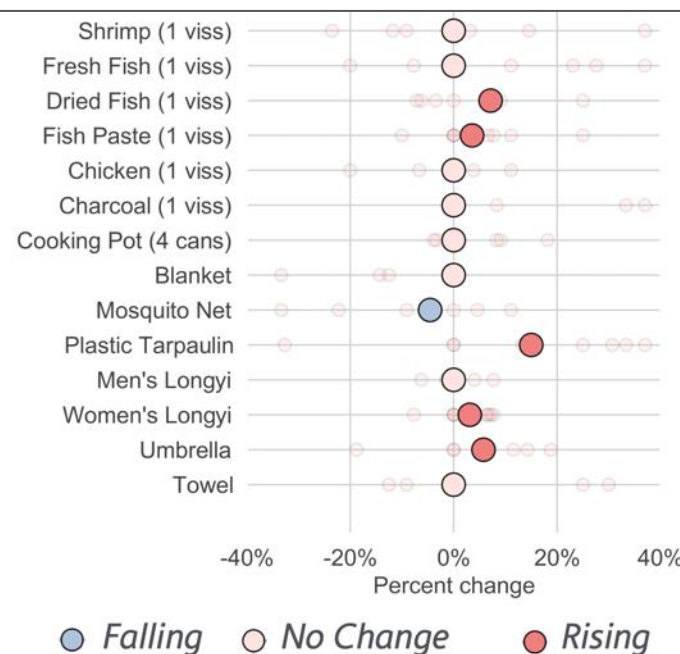
Prices for most hygiene products increased 10-20% or more in the weeks following Cyclone Mocha, but by late-May prices had returned to pre-cyclone levels. The exception was Kyauktaw, which saw another month of rising prices for hygiene products.

**Meat and Fish – Prices increased in May for processed goods like dried fish and fish paste, but other meat/fish were stable.**

Most markets saw prices for dried fish and fish paste—stored items prone to damage in Cyclone Mocha—increase by 7% and 4%, respectively. Prices for other meat/fish items like shrimp, fresh fish, and chicken rose or fell by 10% but mostly held stable.

**Other NFIs – NFI prices began returning to pre-cyclone levels in May, but many goods remained out of stock.**

Prices for plastic tarps were 15-30% higher than April (down from 200-400% spikes following Cyclone Mocha). Blankets and mosquito nets—





# Market Price Report

## Rakhine, Chin



### Price Changes by Township and Category

**Chart 2. Price Change for All Products, by Township (One Month)**



The above chart provides a general impression of the frequency of rising/falling prices in each market. Horizontal bands represent the density of products at a given percent-change. Red indicates rising prices, blue indicates falling prices.

**Chart 3. Direction of Price Change, by Township and Product Category (One Month)**



The above chart provides a general impression of the direction of price changes in each market by product category. Product categories are labeled as stable (grey), falling (blue), rising (red), or mixed (pink).

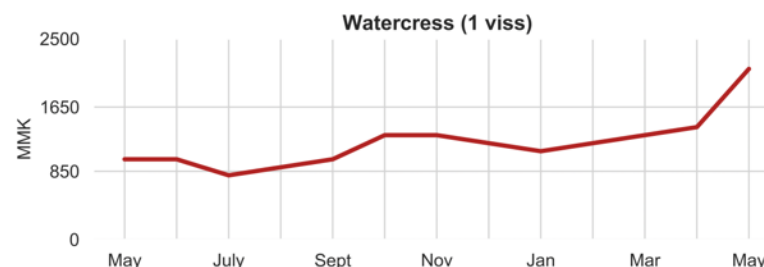
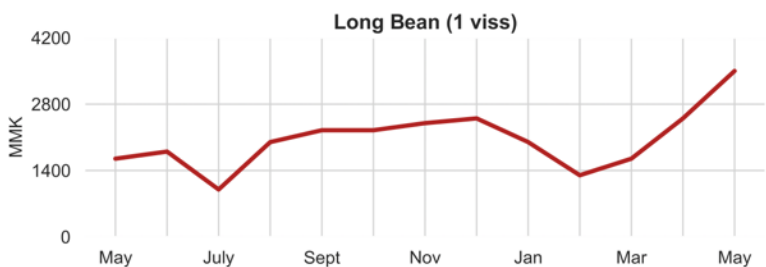
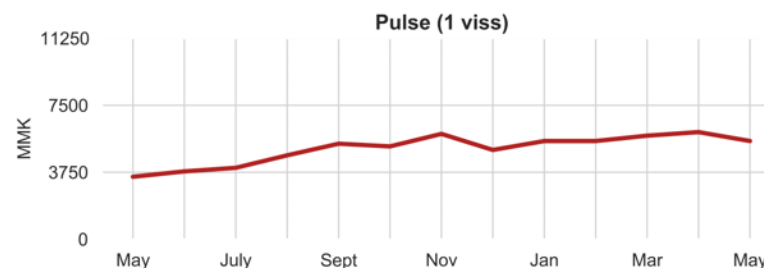
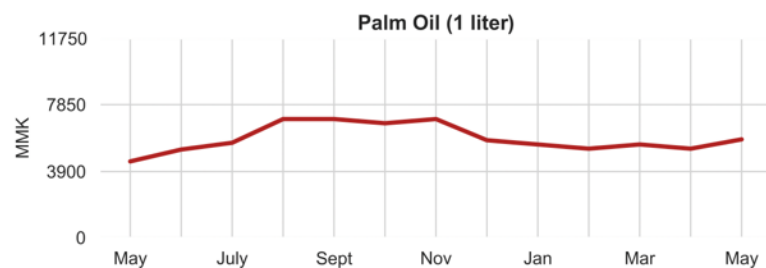
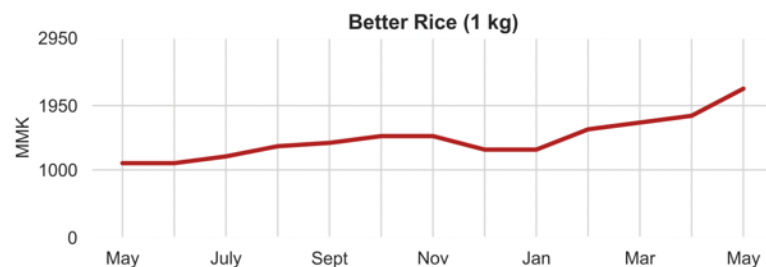
Stable Mixed Falling Rising

# Market Price Report

## Rakhine, Chin



**Charts 3-14. Median Township Price, Selected Products (Thirteen Months)**



# Market Price Report

## Rakhine, Chin

### Highlights



RAKHINE STATE (May 2023)



## Market Price Report

*The MAU tracks market prices in Central and Northern Rakhine State and Chin State. Data are collected from three vendors per product per market in the last week of each month. Data and product specifications are available online through the MPR dashboard at [www.themimu.info/market-analysis-unit](http://www.themimu.info/market-analysis-unit).*

### KEY FINDINGS

- **Rice prices were up 10-20% in most markets in May**, doubling the size of April's price increases;
- **Vegetable prices spiked sharply in May**, and vegetable supply was poor in most markets monitored;
- **Prices rose for processed fish products** like dried fish and fish paste, but other meat/fish items were stable;
- **Prices for pulses and palm oil were fairly stable**, although they rose in Sittwe and Ponnagyun;
- **Prices for NFIs began returning to pre-cyclone levels**, but stockouts remained a problem especially in Sittwe;
- **Tarp prices remained 15-30% higher than April**, down from far-larger price increases after Cyclone Mocha;

### What to Watch

- Greater attention to **food security** and **nutrition** will be needed due to spiking rice prices and poor supply of vegetables;
- Access to **shelter** and **NFIs** remain a major concern, particularly in **Sittwe** where prices remain high and goods remain unavailable;

# Market Price Report

## Rakhine, Chin

### MAU Dashboard



#### MAU - Market Price Report

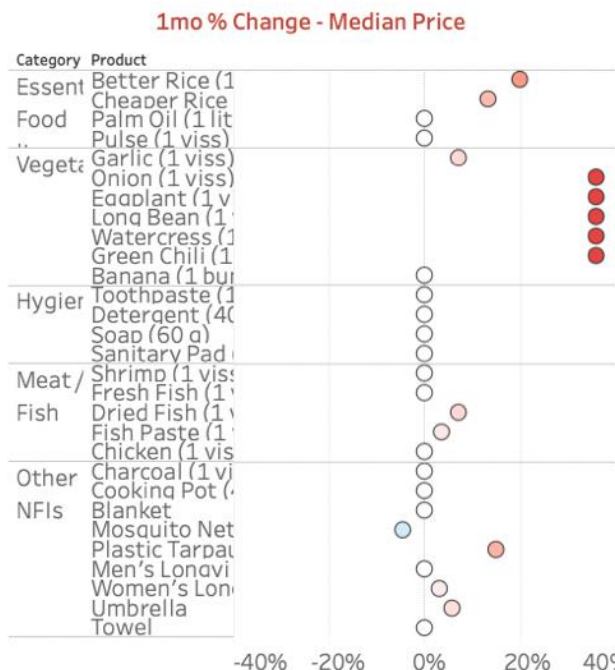
The MAU tracks market prices in Central and Northern Rakhine State and Chin State. Data are collected from three vendors per product per market in the last week of each month.

Last Collected: 5/28/2023



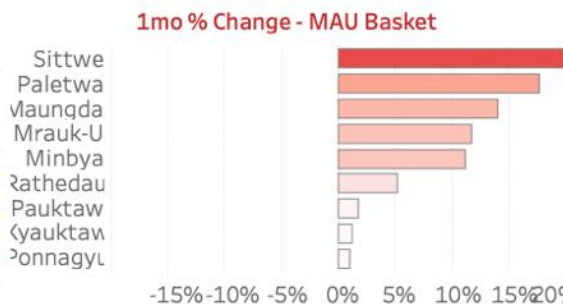
##### Product Analysis

How did prices change for each product last month?  
Consider the median percent change in market price.



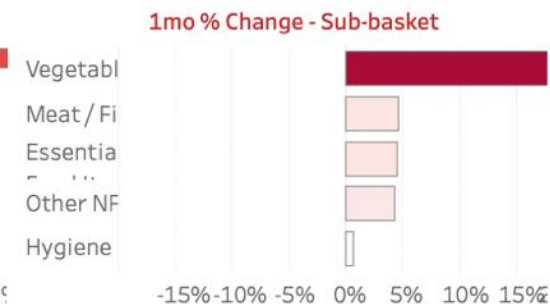
##### Township Analysis

How did prices change in each market last month?  
Consider the percent change in the MAU basket



##### Category Analysis

How did prices change for each category last month?  
Consider the percent change in the sub-



Township Location (select below)



MAU Category Composition (select below)



# Market Price Report

## Rakhine, Chin

### MAU Dashboard



How have prices for particular products changed over time? Look at the average township price over time.

Eggplant (1 viss)

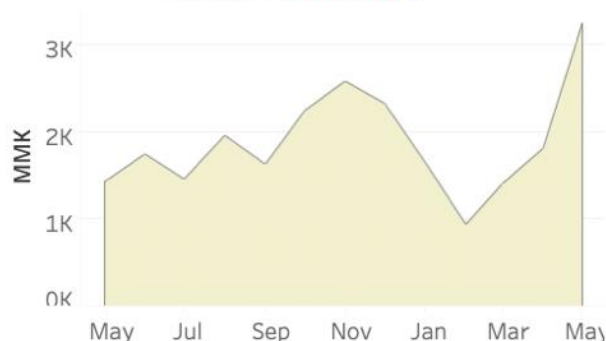
How have prices for particular markets changed over time? Look at the MAU basket price over time.

Sittwe

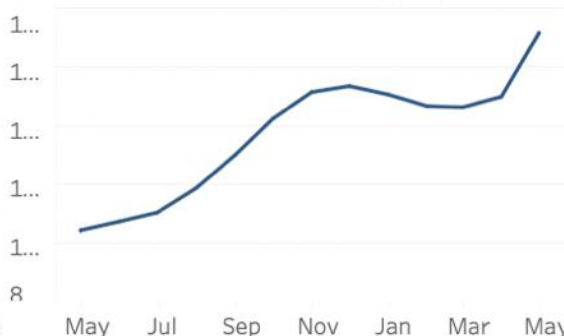
How have prices in particular categories changed over time? Look at the basket category price over time.

Essential Food Items

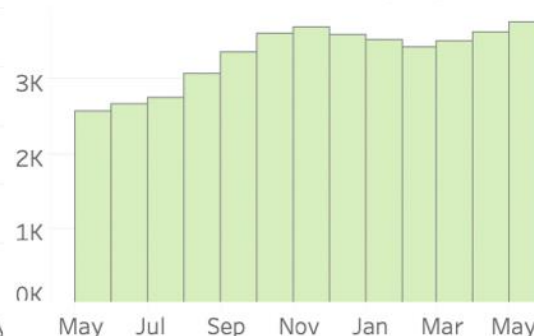
Product Price - Average



MAU Basket Price - Rolling Avg.



Sub-Basket Price - Rolling Avg.



% Change (1mo)

Mar 20: 50.0%

Apr 20: 29.0%

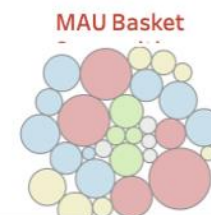
May 20: 61.2%

#### MAU Basket Composition

The MAU Basket consists of prices for 29 products, classified into five categories: Essential Food, Vegetables, Hygiene, Meat / Fish, and Other NFIs. The unit of measurement for each product (e.g. 1kg, 1 unit) was selected for convenience, therefore some categories make up a far larger portion of the total basket. Importantly, the basket is not intended to represent total household consumption or minimum household expenditure. However, because the basket composition is stable over time, it may serve as a (imperfect) benchmark for comparing price changes for different townships or categories of goods. For product specifications, contact [Market.Analysis.Unit@gmail.com](mailto:Market.Analysis.Unit@gmail.com).

Category

- Essential Fo...
- Hygiene
- Meat / Fish
- Other NFIs
- Vegetables



# Market Price Report



## Methodology

Price monitoring is a great example of economic data collection that is very difficult but also very common.

*In other words, it looks easy, but it's hard.*

**\* WARNING \***

**It is easy for price data quality to appear strong,  
and it is easy for price data quality to be weak.**



# Market Price Report



## Methodology

### Design

- Market selection (type, location)
- Product selection
- Specifications / rules

### Collection

- Timing, frequency
- Sampling (vendors-per-product)
- Modality (phone / in-person)

### Organizing and Cleaning

- Tools (e.g., Kobo)
- Data processing (e.g., Python)
- QC checks

### Analysis

- Mean/median, non/rolling-averages, period-of-change, indexing ("basket"), inflation, etc.

### Presentation

- Chart design
- Reports, dashboard, tables (.csv)

# Market Price Report



## Dashboard and Full Reports on MIMU

<https://themimu.info/market-analysis-unit>

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