

# Monitoring Supply Chain Metrics

**Key Performance Indicators (KPIs) that could be measured to understand health of the supply chain**

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# What will this document help you achieve?

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Once you have integrated Logistimo into your supply chain you will have to track and measure the key performance indicators to assess the health of the deployment and the supply chain as a whole. Reporting the key performance indicators is required to understand what is working and what is not, and to correct the course as necessary. Inferences from metrics should always be interpreted in conjunction with qualitative understanding on the ground.

# What are the major categories of KPIs that should be measured?

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The KPIs that need to be measured can be broadly be classified into the following categories

- Adoption KPIs
- Data Quality KPIs
- Supply Chain performance KPIs

## Adoption KPIs

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Adoption KPIs measure how active users are on the system. Adoption KPIs must be the first metrics to measure; subsequent KPIs should be looked at only after the adoption levels are satisfactory

- **Percentage of Entities Active**

The objective of this KPI is to see what proportion of the entities (facilities where Logistimo is being used) that are transacting on the system. The cadence of measurement of this KPI has to be decided based on how often the entities are expected to transact on the system.

*% Active Entities= number of active entities/ number of live entities*

*Where to find this data on Logistimo? - [Domain Activity Report](#) & [Overview Activity Dashboard](#)*

- **Percentage of Admins Active**

The Logistimo system has an extensive monitoring module equipped with dashboards and reports. The admins on the system are expected to monitor the user activity, stock position etc. The objective of this KPI is to measure if admins are playing their role on the system. The cadence of measurement has to be decided based on standard operating procedures.

*% Active Admins= number of admins that have logged in/ number of live admins*

*Where to find this data on Logistimo?- [User Activity Report](#) & [User Listings Page](#)*

- **Percentage of Modules Used**

The objective of this KPI is to measure how extensively users are using the system. Ideally all users should be using all the modules available to them on a regular basis. The cadence of measurement has to be decided based on standard operating procedures.

*% Modules Used= sum of number of modules used by all users/ sum of number of modules available to each user*

- **Percentage of Mobile Logins**

The objective of this KPI is to measure the split of Mobile to Web logins. This KPI is relevant if there is a wish to direct traffic via one channel over the other. The cadence of measurement has to be decided based on standard operating procedures.

*% Mobile Logins= number of mobile logins/ total number of logins*

*Where to find this data on Logistimo?- [User Activity Report](#)*

## Data Quality KPIs

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Data quality KPIs are the next set of KPIs that should be measured. These KPIs check the quality of the data that is available in the system. Performance KPIs must be measured only if the data quality of the system is at an acceptable level.

- **Percentage of Stock Counts**

If periodic stock counts are mandated as per the standard operating procedure then stock counts should not be considered as negative indicators of data quality. If stock counts are done only when there is a mismatch between physical stock and actual stock then stock counts can be considered as a negative indicators of data quality

*Percentage of Stock Counts= Number of Stock Counts/ Total number of Transactions*

*Where to find this data on Logistimo? - [Inventory Stock Trends](#)*

- **Magnitude of Stock Adjustment**

If stock counts are being done then it is useful to look at the quantum of stock adjustment.

*Stock Adjustment= Absolute value of stock adjustment/ Opening or Closing stock*

*Where to find this data on Logistimo? - [Inventory Stock Trends](#)*

- **Data Entry Lag**

If data is entered on the system regularly and the data is accurate, the next metric to look at is how up to date the data is. Ideally the data should be updated as soon as possible.

*Data Entry Lag= average time to enter data on the system after physically executing the transaction*

*Where to find this data on Logistimo? - [Transactions Listing](#)*

## Supply Chain Performance KPIs

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Supply chain performance KPIs assess how well the supply chain is performing, these KPIs are used to measure the efficiency of the supply chain.

- **Percentage Stock Availability**

This KPI is an indicator of the amount of time that materials are available in the system.

*% Stock Availability= Number of days or hours for which a material is in stock/ total number of hours in the period in consideration*

*Where to find this data on Logistimo? - [Stock availability report](#)*

- **Percentage Stock Utilization**

This KPI is an indicator of the amount of stock that lies unused in the supply chain in a given time period

*% Stock Utilization = total quantity of stock issued out / opening stock + total quantity of stock received in the period in consideration*

*Where to find this data on Logistimo? - [Utilization Report](#)*

- **Replenishment Time**

This KPI is a measure of the time taken for stock to return to normal from a stocked-out position

*Replenishment Time = average time taken for materials to return to normal inventory state from stocked out state*

*Where to find this data on Logistimo? - [Replenishment Response Time Report](#)*

- **Percentage Stock Discarded**

This KPI is a measure of the wastage in the system

*% Stock Discarded = total quantity of stock discarded / total stock consumed*

*Where to find this data on Logistimo? - [Discards Report](#)*

*Did you find this document helpful? Would you have added any additional information?*

*If yes, please drop your feedback at [support@logistimo.com](mailto:support@logistimo.com)*