

Assessment of quality testing and drug approval process before dispatch for medicines under supply chain system of Punjab Health System Corporation

Under guidance of :
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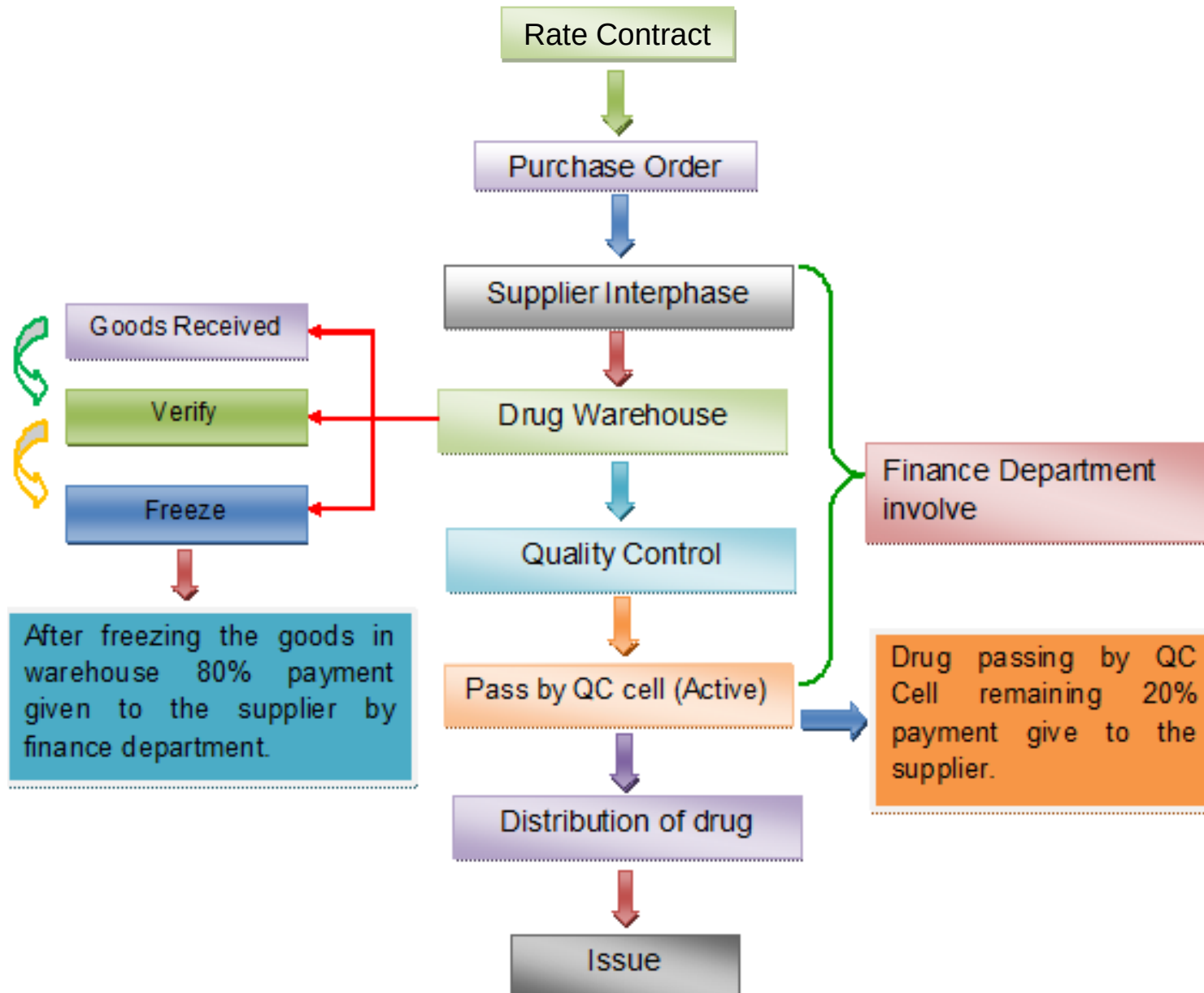
Objectives:

- To assess the current situation of quality testing process under supply chain system of Punjab Health System Corporation.
 - To analyze the time taken by drugs in quarantine area of drug warehouse.
 - To determine how many sample of drugs were tested as per standard days guidelines.
 - To analyze the possible gaps in supply chain system of PHSC for the delays in pre-dispatch testing of items.
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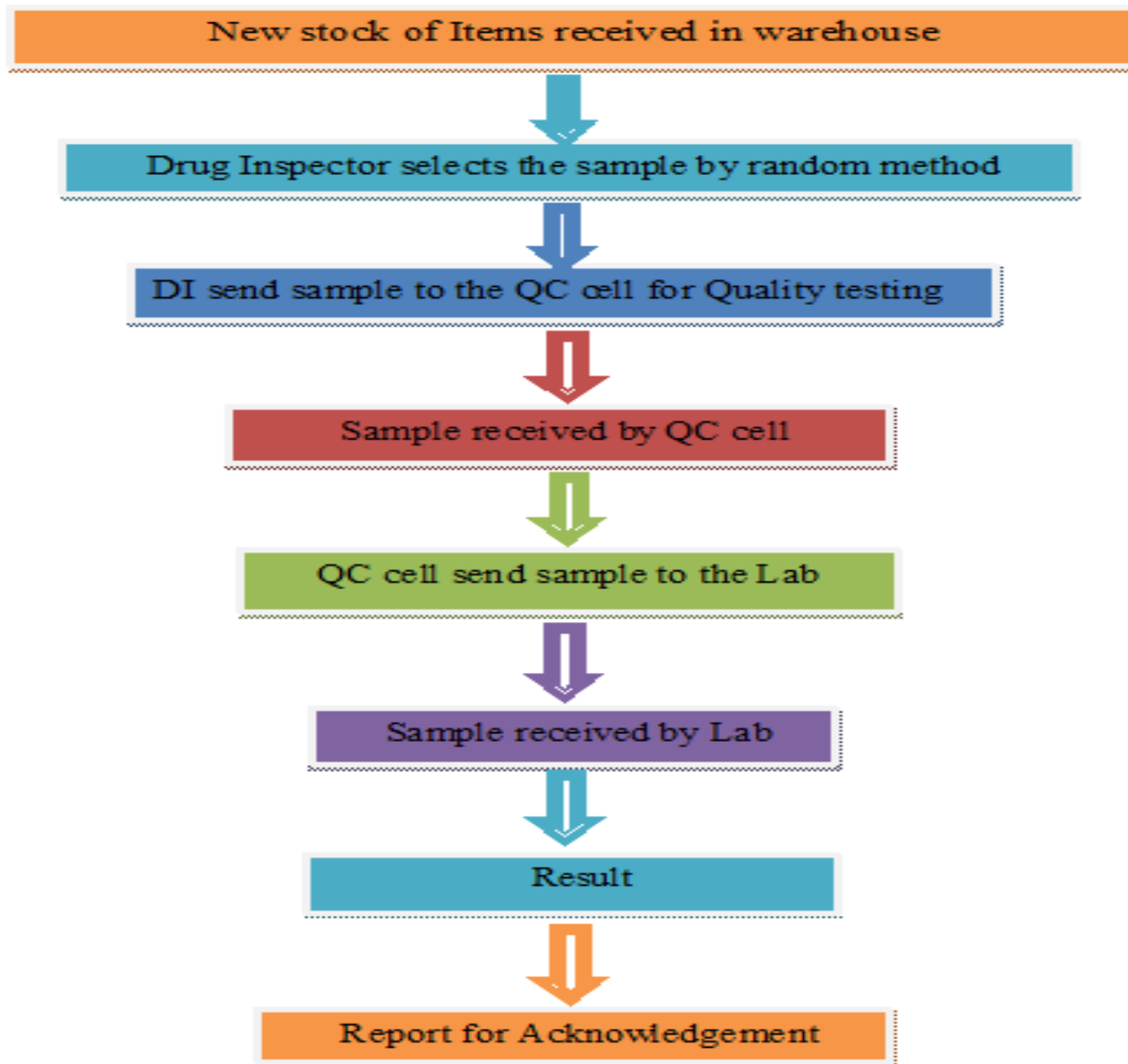
Research Methodology:

- **Study Type:** Descriptive study
- **Sample Size:** 215 medicine items
- **Duration of study:** from 1st Feb 2018 to 30th April 2018 (3 months)
- **Type of Data:** Secondary Data
- **Location:** Punjab health service cooperation, Mohali (Punjab)
- **Collection of Data:** for secondary data Articles and journals, e-Aushadhi system, and Quality control cell Kharar Warehouse.

Outline of procurement of drug to issue of drug/ medicine



Sample Testing Procedure



Label of Punjab Health System Corporation



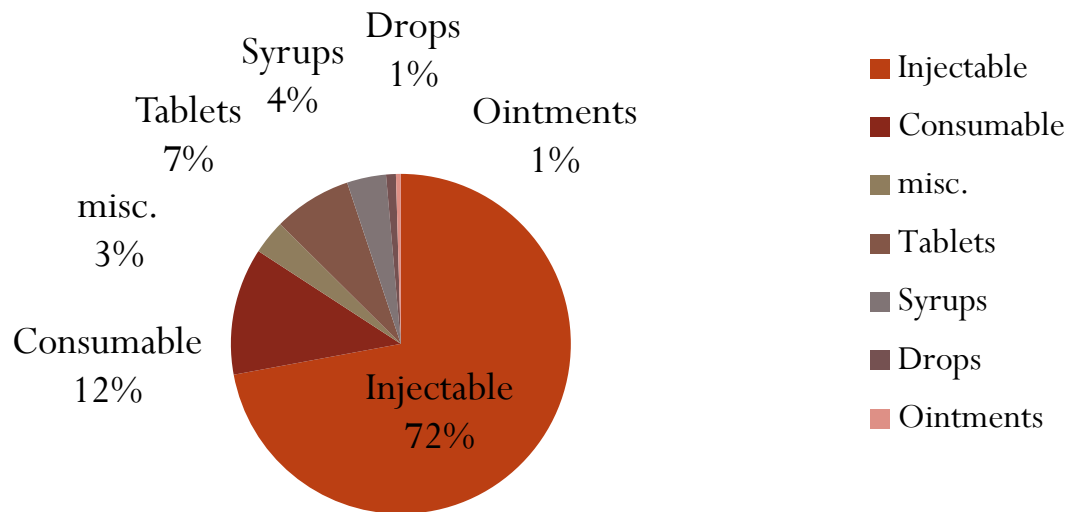
Analysis time period as per Guideline category

Particulars of item	Testing period & submission of report
i. Tablets, capsules, Ointments, Power and Liquid Oral Preparation (non-sterile product)	Within 10 days from the receipt of sample.
i. I.V. Fluids and Injectables and other items requiring test for sterility. (Sterile product)	Within 21 days from the receipt of the sample

Analysis

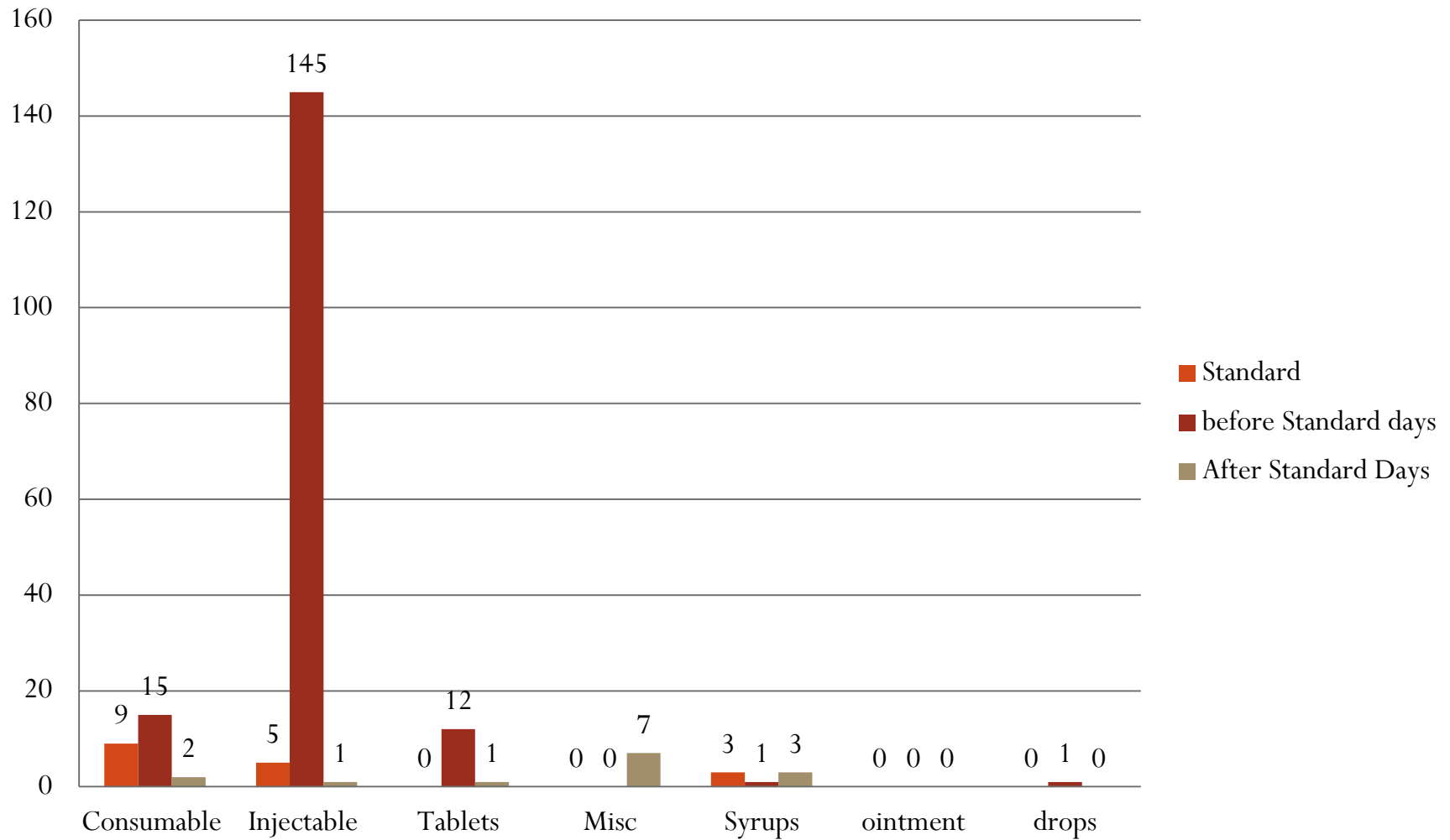
- Data was collected of 4 month (Nov-2017 to Feb- 2018) from warehouse Kharar. In this four month total 215 items were received in Quarantine area at warehouse and after receiving all items, Drug inspector sent selected sample to the Quality testing.

Different catagory of items



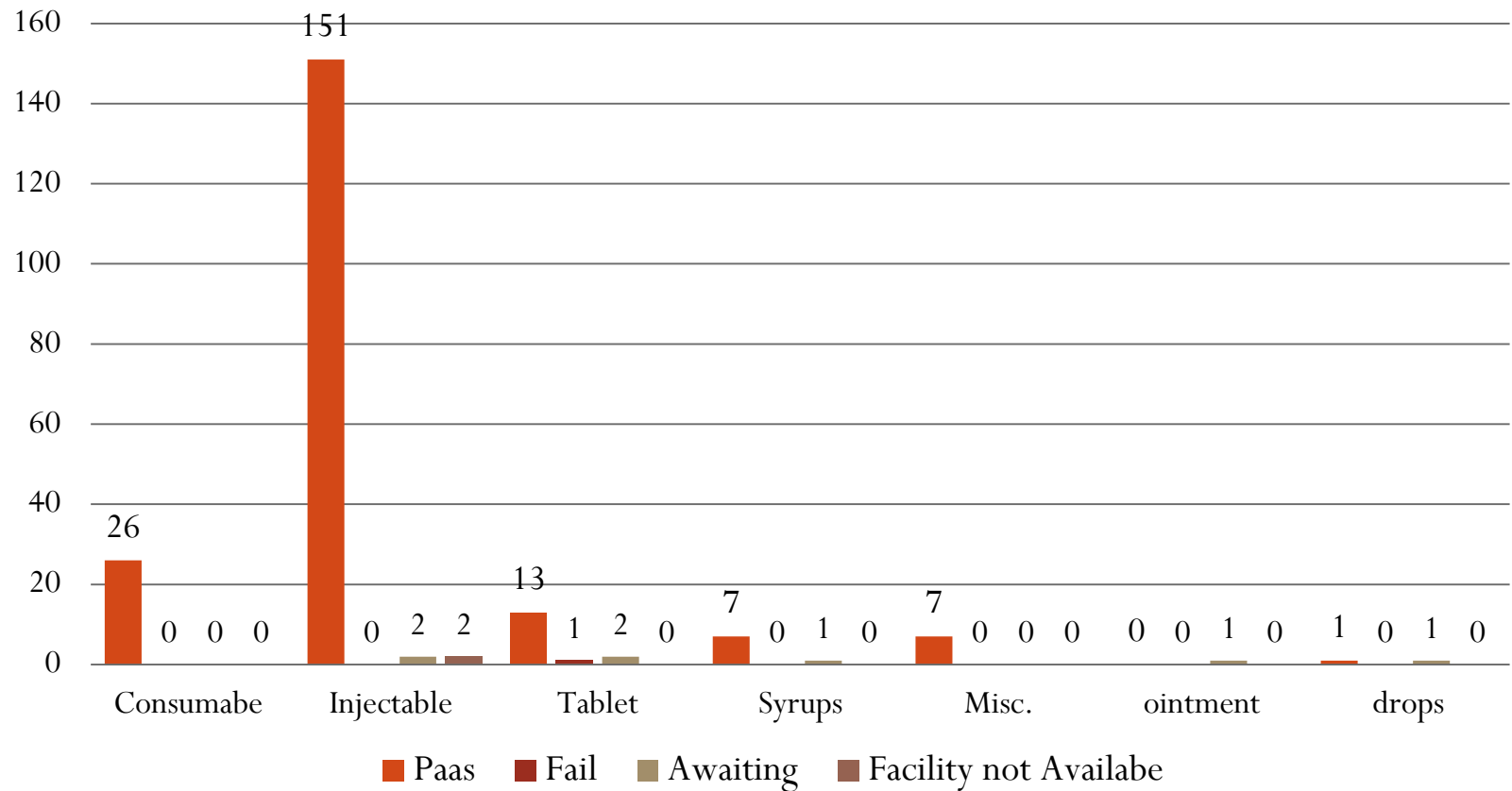
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items found with the respect to Standard days



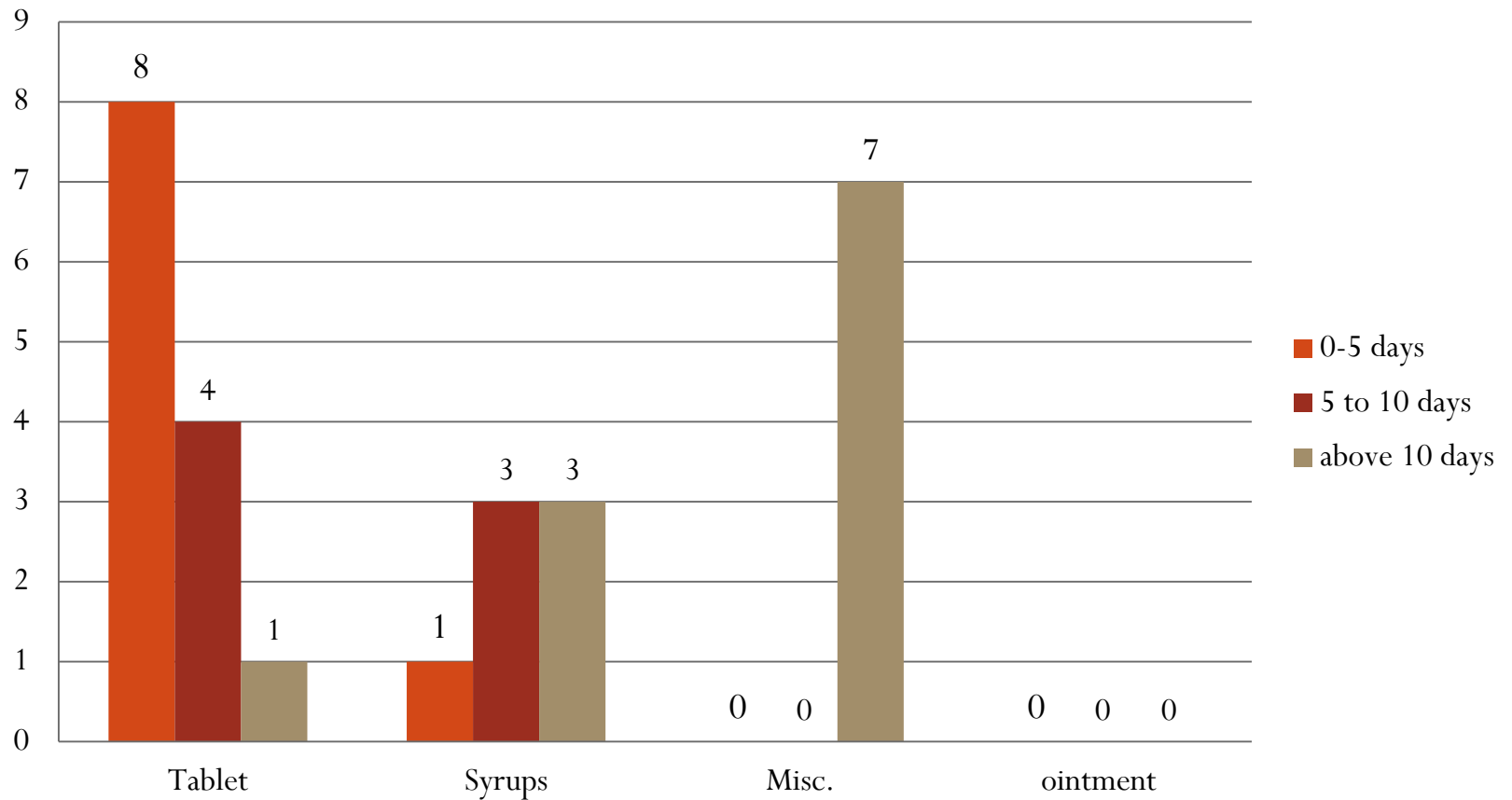
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Quality testing Status of all category



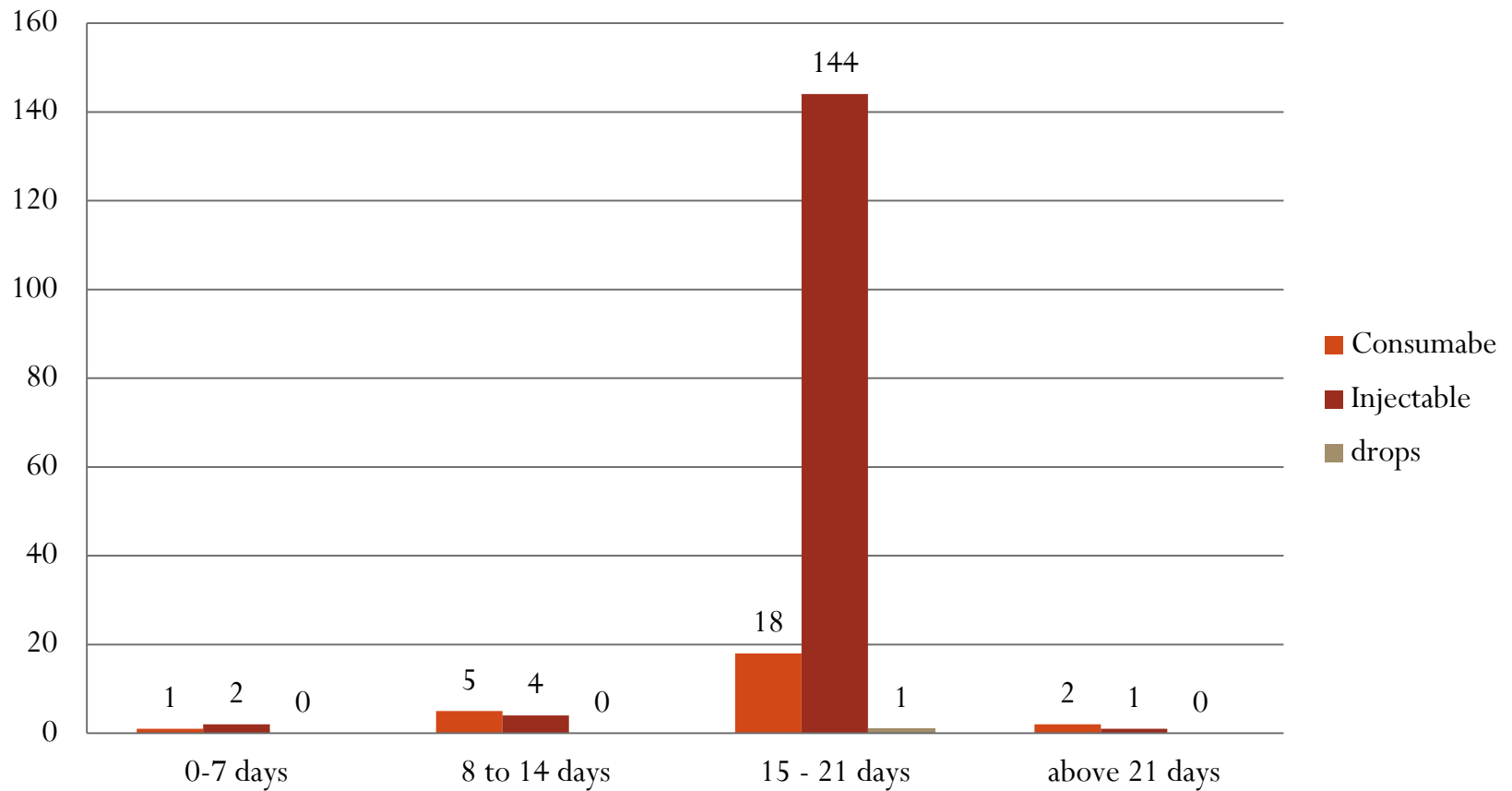
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No. of items (Non-Sterile) found in category of days



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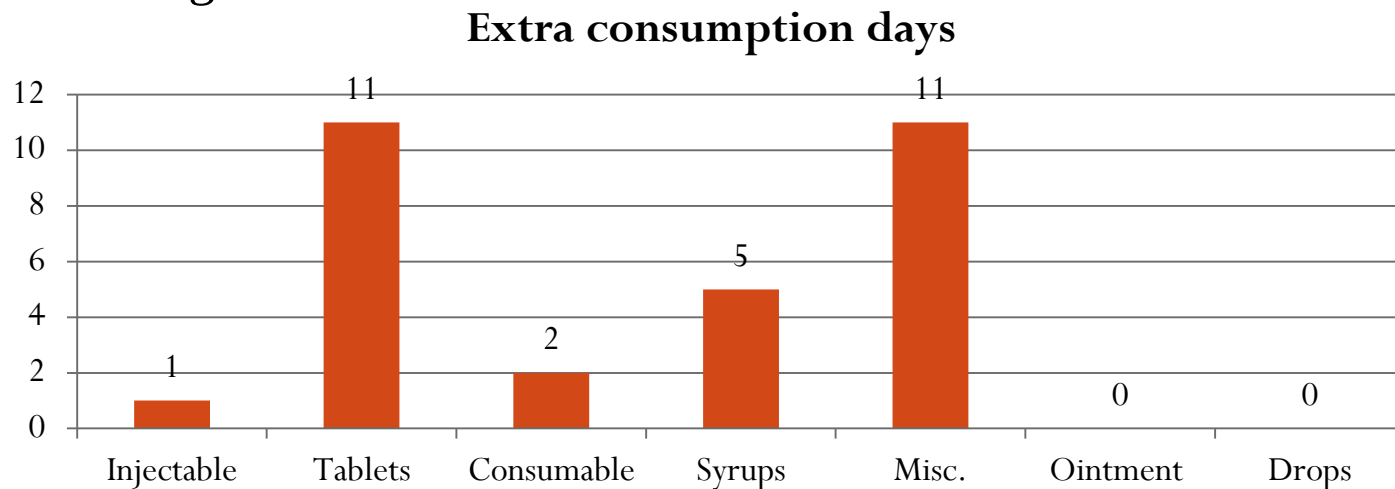
No. of items (Sterile) found in category of days



Conclusion

(Current Situation in PHSC)

- Based on analysis it found that, total 215 numbers of items sent for the Quality testing process. In which 95% items has been passed by the quality testing process, it become active stock so that this items got approval. 1% of item got substandard (failed), for 1% of items testing facility is not available (like- Anti Rabies inj.) and 3% of items are still waiting for their result.



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percentage of items tested as per Guideline



By the analysis it concludes that the 6% of items quality testing process has been delayed, this is the gap occur in pre-dispatch quality testing. This delay in quality testing process can cause problem in distribution of medicine at right time to right patient.

Quality Assurance is focus on a set of guideline, so according to the data 89% of items are tested as per standard guideline that's why we can say 89% percentage of items are the quality product.

Reference

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