Background and Importance

Hospital  | Annual Contracts  | Suppliers

Contractual Orders  
(for low-stock-days)

Aim and Objectives

- **Determining** our forecast accuracy for the designated medication group
- Observing the impact rate of lead times and other disruptions to our forecasts.

Materials and Methods

**METHODS TO DETERMINE THE ACCURACY**

- Mean Error
- Mean Absolute Error
- Mean Squared Error

Results

<table>
<thead>
<tr>
<th>(October 2019 – March 2020)</th>
<th>Specified Group</th>
<th>Tigecycline</th>
<th>Amp.-Sulbactam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mean Error</td>
<td>-1945</td>
<td>-2</td>
<td>-90</td>
</tr>
<tr>
<td>Mean Abs. Error</td>
<td>21%</td>
<td>26%</td>
<td>109%</td>
</tr>
<tr>
<td>Mean Sq. Error</td>
<td>7,753,919</td>
<td>29,565</td>
<td>909,147</td>
</tr>
</tbody>
</table>

Direct Proportion was Observed Between

- Unit cost
- Order Frequency
- Forecast Accuracy

Average days of inventory is 43 within the specified time frame

Conclusion and Relevance

Creating **WIN-WIN SITUATION** with OUR STRATEGIC SUPPLIERS via ...

- Demanding relatively higher quantities for low-unit-cost products in contractual orders.
- Reducing shipping costs of leverage items (for vendors)
- Providing greater administrative space for critical items (for us)
- Experiencing lower inventory costs

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