MedInsights Pro
Annual Summary Report 2025

Report Period: January 1, 2025 - December 31, 2025

Generated: January 18, 2026

Executive Summary

Metric	Value	YoY Change
Total Sales Volume	1,247,832 units	+12.4%
Total Medicines Tracked	156	+8 new
Districts Served	12	-
Formulas Managed	34	+3 new
Forecast Accuracy (MAPE)	91.2%	+2.1%

Top 10 Medicines by Sales

#	Medicine	Formula	Total Sold	Status
1	Panadol 500mg	Paracetamol	89,432	In Stock
2	Augmentin 625mg	Amoxicillin	67,891	In Stock
3	Calpol Syrup	Paracetamol	54,223	Low Stock
4	Brufen 400mg	Ibuprofen	48,102	In Stock
5	Flagyl 400mg	Metronidazole	41,876	In Stock
6	Disprin 300mg	Acetylsalicylic Acid	38,921	In Stock
7	Ventolin Inhaler	Salbutamol	35,412	Low Stock
8	Arinac Forte	Paracetamol	32,109	In Stock
9	Risek 20mg	Omeprazole	29,876	In Stock
10	Ponstan 500mg	Mefenamic Acid	27,543	Out of Stock

District Performance

District	Total Sales	% of Total	Top Medicine	Growth

Bahadurabad	187,234	15.0%	Panadol 500mg	+18.2%
Gulshan	156,891	12.6%	Augmentin 625mg	+9.4%
Clifton	142,567	11.4%	Calpol Syrup	+14.1%
Saddar	128,432	10.3%	Brufen 400mg	+5.7%
Defence	119,876	9.6%	Panadol 500mg	+11.3%
North Nazimabad	98,234	7.9%	Flagyl 400mg	-2.1%
Korangi	87,654	7.0%	Disprin 300mg	+8.9%
Others (5)	327,944	26.2%	Various	+6.4%

Forecast Accuracy Analysis

Formula	Predicted	Actual	Accuracy	Variance
Paracetamol	178,000	175,764	98.7%	-1.3%
Amoxicillin	70,500	67,891	96.3%	-3.7%
Ibuprofen	45,200	48,102	93.9%	+6.4%
Metronidazole	43,000	41,876	97.4%	-2.6%
Acetylsalicylic Acid	36,500	38,921	93.8%	+6.6%

Overall MAPE: 8.8% | Best Predicted: Paracetamol (98.7%)

Inventory Health Summary

Status	Count	% of Total	Description
Healthy Stock	112	71.8%	>30 days supply
Low Stock	31	19.9%	<14 days supply
Out of Stock	8	5.1%	0 units available
Overstocked	5	3.2%	>90 days supply

Stock Turnover Rate: 8.2x annually | Avg Days of Inventory: 44.5 | Stockout Incidents: 23 (down from 41 in 2024)

Weather Impact Analysis

Season	Avg Temp	Humidity	Top Formula	Sales Impact
Winter (Jan-Feb)	18C	45%	Paracetamol	+22% flu meds
Spring (Mar-May)	28C	38%	Antihistamines	+15% allergies
Summer (Jun-Aug)	35C	62%	Oral Rehydration	+31% hydration
Monsoon (Sep-Oct)	30C	78%	Antibiotics	+28% infections
Autumn (Nov-Dec)	22C	52%	Paracetamol	+18% cold/flu

User Activity Summary

User	Role	Actions	Top Activity
admin_user	Admin	1,247	User Management
data_operator1	Data Operator	3,891	Sales Upload

| analyst_pk | Analyst | 892 | Forecast Generation |
| data_operator2 | Data Operator | 2,134 | Stock Updates |

Total System Actions: 8,164 | CSV/Excel Uploads: 312 files | Manual Entries: 1,892

Recommendations for 2026

1. Increase Paracetamol buffer stock by 15% before monsoon season (Aug-Sep)

2. Review Ibuprofen forecasting model - consider stronger weather correlation

3. Address chronic low-stock items: Calpol Syrup, Ventolin Inhaler

4. Expand Bahadurabad inventory - highest growth district

5. Consider safety stock for top 10 medicines to prevent stockouts

6. Implement automated reorder alerts for medicines below threshold

7. Schedule quarterly forecast model retraining for improved accuracy

Report Generated by MedInsights Pro
AI-Powered Medicine Demand Forecasting System