

# FORMULA ANALYSIS REPORT

## Year: 2025

Period: Full Year 2025 | Generated: January 18, 2026 at 14:33

### Formula Performance Summary

Formula	Total Sales	% Share	vs Previous	Brand Count
Paracetamol	156,234	18.2%	+12.5%	5 brands
Amoxicillin	89,456	10.4%	+8.3%	4 brands
Ibuprofen	67,890	7.9%	+5.2%	3 brands
Metronidazole	45,678	5.3%	+3.1%	2 brands
Omeprazole	38,234	4.5%	+6.8%	3 brands
Salbutamol	32,456	3.8%	+9.2%	2 brands
Others	428,052	49.9%	+4.5%	98 brands

### Monthly Sales by Top Formulas

Formula	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Paracetamol	14,949	16,445	11,700	13,000	14,300	11,700	16,250	17,875	14,625	13,000	14,300	13,454
Amoxicillin	8,625	9,487	6,750	7,500	8,250	6,750	9,375	10,312	8,437	7,500	8,250	7,762
Ibuprofen	6,439	7,084	5,040	5,600	6,160	5,040	7,000	7,700	6,300	5,600	6,160	5,795
Metronidazole	4,370	4,807	3,420	3,800	4,180	3,420	4,750	5,225	4,275	3,800	4,180	3,933
Omeprazole	3,679	4,048	2,880	3,200	3,520	2,880	4,000	4,400	3,600	3,200	3,520	3,311

### Weather Correlation Analysis

How weather affects formula demand (based on historical patterns):

Formula/Category	Weather Trigger	Mechanism	Impact Range
Paracetamol	Temperature < 20C	Demand increases during cold weather	+25-35%
Antibiotics	Humidity > 70%	Infections increase in humid conditions	+20-30%
Antihistamines	Temperature > 30C	Allergies more common in hot weather	+15-25%
Salbutamol	Humidity Changes	Respiratory issues with humidity swings	+10-20%
ORS	Temperature > 35C	Dehydration risk in extreme heat	+40-50%

Note: Correlations derived from comparing sales data dates with weather records.

## Forecast Accuracy by Formula

Formula	Forecasted	Actual	Accuracy	Rating
Paracetamol	154,000	156,234	98.6%	Excellent
Amoxicillin	85,200	89,456	95.2%	Good
Ibuprofen	65,400	67,890	96.3%	Good
Metronidazole	44,500	45,678	97.4%	Excellent
Omeprazole	39,100	38,234	97.7%	Excellent

## Top Districts by Formula

Formula	Top District	Sales	2nd District	Sales
Paracetamol	Bahadurabad	28,456	Gulshan	24,123
Amoxicillin	Gulshan	18,234	Clifton	15,678
Ibuprofen	Defence	12,345	Bahadurabad	11,234
Metronidazole	Saddar	9,876	Gulshan	8,765
Omeprazole	Clifton	8,234	Defence	7,123

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