

Transaction Pattern Analysis

January 25, 2026

AML Pattern Detection & Risk Scoring

TRANSACTIONS ANALYZED

1,000

RISK SCORE

2/10

TOTAL VOLUME

\$3,888,330

RISK LEVEL

Medium

Pattern Detection Results

Pattern	Count	Percentage	Threshold	Status
Round Number Transactions	15	1.5%	> 10%	CLEAR
Structuring (\$9k-\$10k)	49	4.9%	> 5%	CLEAR
High-Velocity Counterparties	6	-	> 5 CPs	FLAG
Large Transactions (\$10k+)	73	7.3%	Reporting	REPORT

Volume Statistics

Metric	Value	Interpretation
Total Volume	\$3,888,330	Period total
Average Transaction	\$3,888	Mean amount
Median Transaction	\$1,147	Typical amount

Avg per Counterparty	10.1	Transaction velocity
----------------------	------	----------------------

Pattern Analysis Summary:

- Overall Risk Score: 2/10 (Medium)
- Primary concerns: No major concerns
- Recommended action: Continue monitoring

Methodology: Pattern detection using statistical thresholds. Structuring: Transactions \$9,000-\$9,999 (below \$10k reporting threshold). Round numbers: Amounts divisible by \$1,000 (indicator of manufactured transactions). High velocity: Counterparties with transaction counts > 2 standard deviations above mean. Note: This demo uses synthetic data to demonstrate pattern detection capabilities.

Report prepared by **Mboya Jeffers** | January 25, 2026

Data Source: Synthetic Transaction Data (Demo)