

SNAP Payment Error Risk Assessment Engine (RAE)

The RAE is comprised of a series of risk indicators that help identify errors in SNAP applications based upon historical error findings, comparisons with external data sets, as well as AI/ML analytics. This helps caseworkers take proactive actions to minimize payment errors.

Addresses SNAP PER Error Drivers



Processing Errors



Verification/Documentation Errors

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SOLUTION

SNAP Payment Error **Risk Assessment Engine (RAE)** is an analytics solution that uses custom AI/ML models and management dashboards to identify vulnerabilities and track risk assessments during the SNAP application and benefit usage process. The models leverage existing data sets to detect patterns and can be tailored to state-specific needs.

Implemented within client infrastructure, RAE gives caseworkers insights into data elements that may cause payment errors, helping reduce overpayments and underpayments.



Diagram for illustration only

KEY FEATURES



Anomaly Detection

Deploys anomaly and outlier detection models and evaluates client data with behavioral analytics to identify anomalies and duplicates using active, inactive, and denied SNAP recipients.



Data-driven Data Assessment

Uses detailed data collection models and data management systems to validate income, employment, and assets against external data sets.



Risk-based AI/ML Analytics

Implements risk-based AI/ML analytics to flag errors and potential improper payments, conducts automated eligibility checks, and enhances client form and field entries.



Refine, Monitor, Prevent

Enables monitoring of entity, transaction, and cyber behavioral data to safeguard existing processes against known Fraud, Waste and Abuse (FWA) schemes and establishes preventive posture to respond to emerging threats.

IMPACT

- **Enhances determination accuracy** by identifying anomalies, flagging potential improper payments, and conducting frequent automated eligibility checks.
- **Enhances data quality and accuracy** by validating income, employment, and assets against external data sets, implementing strong data collection models, and strengthening data management systems.

METRICS

Our cloud-agnostic RAE contains over:

100

risk models to identify potential fraud and accuracy risks.

Based on a specific project engagement:

40%+

of risk flags triggered a change in eligibility action, thus reducing potential for error in eligibility.



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