

MED-DETECT



Financial Impact Brief

Financial Executive Summary

The MED-DETECT engine was tested in two hospital systems. One in Florida and one in Mississippi.

The following information is based on the results. Assumptions have been applied to a real 100 bed full service Hospital to enable forward looking estimates.

The MED-DETECT engine is a purpose built healthcare tool that introduces many unique concepts to healthcare data analysis. These concepts have been utilized in Enterprise Resource Planning solutions (ERP) for many years, but surprisingly not in EMR solutions.

The two areas where MED-DETECT had the most impact were Finance and Patient Safety. The positive financial impact results in new or found money for the Hospital.

MED-DETECT immediately impacts the direct labor cost of finding and remediation of newly

found and legacy errors in the existing data.

Improving data by reducing errors enabled the Hospital to accurately bill. The results were a 20% increase in first pass payment reimbursements.

Consultants estimate financial improvement as much as \$1 million dollars per year for every 100 active beds in use.

Patient safety standards exceed or The Joint Commissions [Sentential Event 54](#), "Safe Use Of Health Information Technology".

MED-DETECT is an active audit assessment tool that may improve EHR data integrity greater than 23%.

DUOLARK tools are tested and available now for use by consultants, accountants, auditors, attorneys and qualified healthcare organizations.

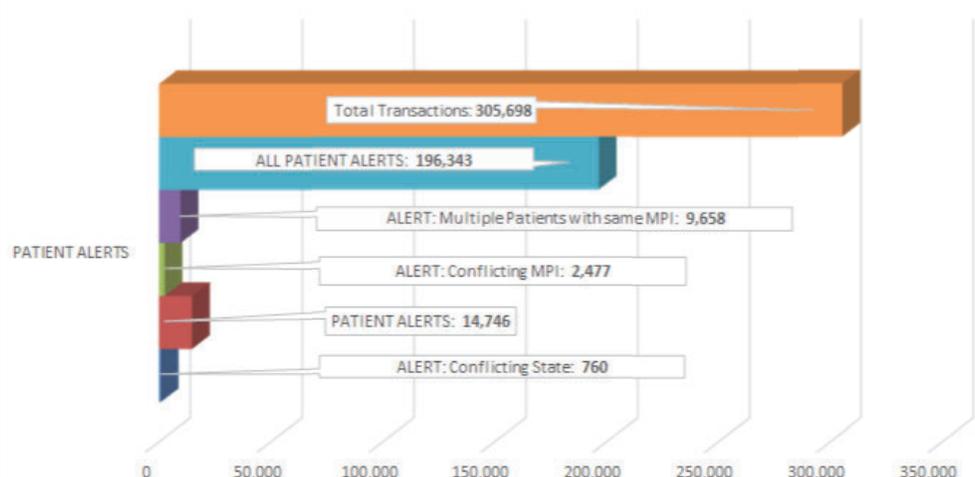
Total Patients / Total Alerts

Over a three month study a total of 305,698 unique patient encounters were recorded and submitted for reimbursement.

A total of 35,951 patients were seen on multiple dates by multiple providers.

Note one data error may result in multiple ALERTS, on each patient visits, and each reimbursement submission. These are repeat errors.

ALERTS ON TRANSACTIONS





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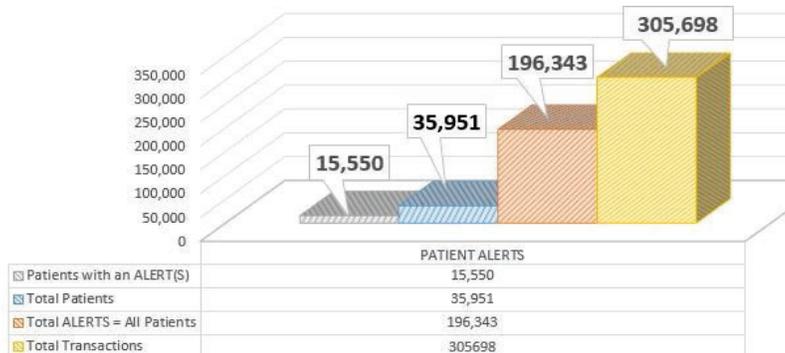
DETECT - CORRECT - PROTECT

Below are ALERTS on SNN's found by MED-DETECT were over the course of three months across two hospitals and twenty-six healthcare provider clinics.

By remediating 20% of the records the healthcare entities were able to improve first pass payments greater than 40%.

Reduced real days of accounts receivable by 22.5 days. The immediate improved impact on the financials was recognized within 90 days. The total time of implementation and user training averaged less than one week.

TOTAL PATIENTS / TOTAL ALERTS



In the rush to implement electronic healthcare software for medical professionals there has been a lack of effort to validate the data contained in the applications. The result of the 'dirty data' impacts every department, every location, every provider, and every patient.

DUOLARK LLC purposely created MED-DETECT, MED-CORRECT and MED-PROTECT for the healthcare industry to remediate 'dirty data' to establish 'healthy data' as a standard for improving patient outcomes, validate information for accurate reporting, and materially improve a Hospital's financial performance.

ALERTS: Social Security Numbers

