D3tect

we make data visible

Accurate OCR Data Extraction, Validation & Correction

HIPAA VIOLATIONS

Misfiling of patient records into another patient's records is a HIPAA violation and can affect:
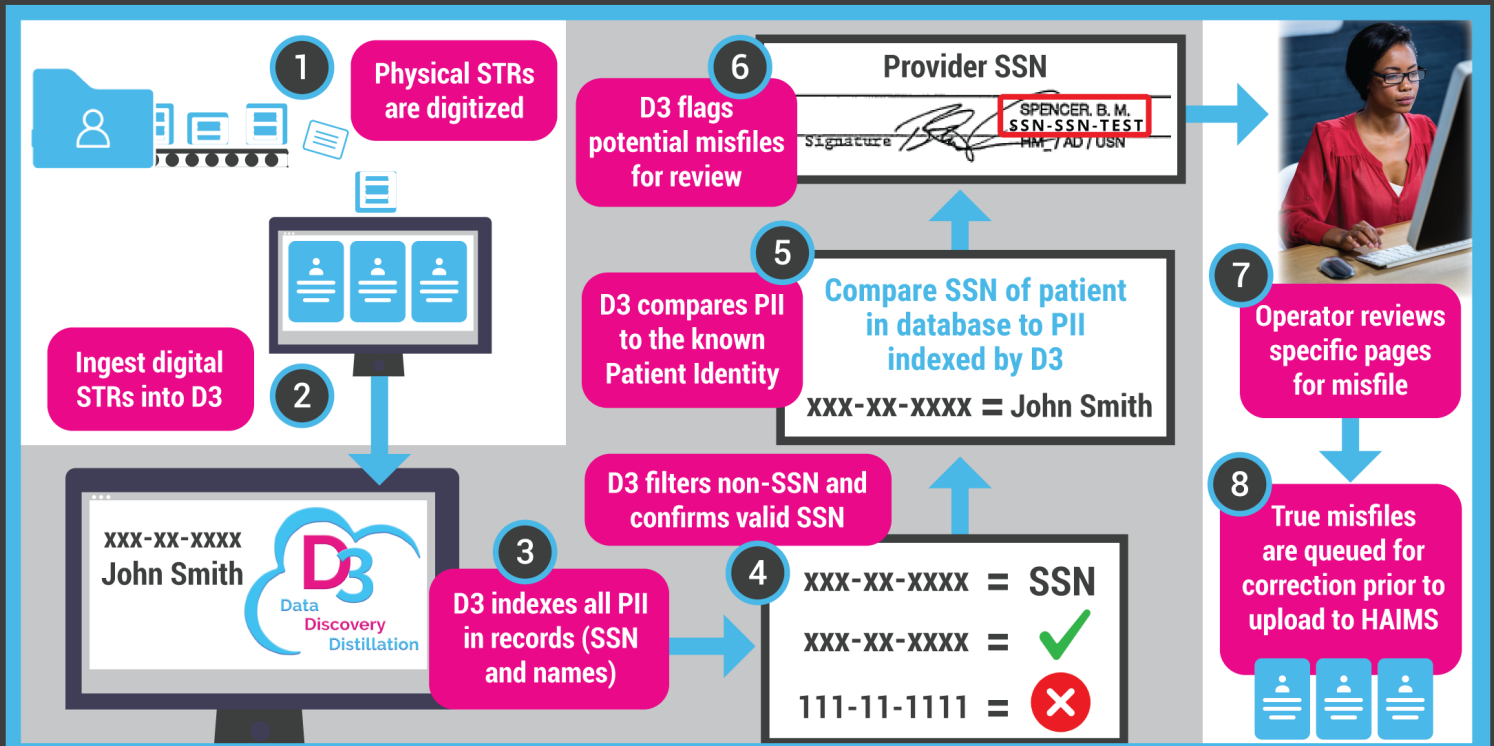
- veteran status
- disability claims
- treatment plans

The D3TECT solution supports HIPAA data privacy and the safe electronic exchange of patient records via a semi-automated, efficient quality control OCR extraction and validation system that **detects** patient record misfiles and restores them to their correct patient file with minimal operator assistance.

KEY FEATURES

> Highly accurate AI/ML OCR extracts text and handwriting from images or documents, including poor quality images

> D3 uses artificial intelligence and machine learning to efficiently process, analyze, validate and flag large volumes of records in just hours, saving staff and resources time and cost

> Avoid costly HIPAA violations and protect patient health and disability claims by ensuring patient records contain only their PHI and PII

USE CASE: D3TECT & CORRECT HIPAA MISFILES

1 **Physical STRs are digitized**

2 **Ingest digital STRs into D3**

XXX-XX-XXXX John Smith

D3 Data Discovery Distillation

3 **D3 indexes all PII in records (SSN and names)**

4
$$XXX\text{-}XX\text{-}XXXX = SSN$$
$$XXX\text{-}XX\text{-}XXXX = ✓$$
$$111\text{-}11\text{-}1111 = ✗$$

D3 filters non-SSN and confirms valid SSN

5 **D3 compares PII to the known Patient Identity**

Compare SSN of patient in database to PII indexed by D3

$$XXX\text{-}XX\text{-}XXXX = John Smith$$

6 **D3 flags potential misfiles for review**

Provider SSN

SPENCER. B. M.
SSN-SSN-TEST
HM / AD / USN
Signature

7 **Operator reviews specific pages for misfile**

8 **True misfiles are queued for correction prior to upload to HAIMS**

(1) Anacomp or other entity digitizes Service Treatment Records (STRs) **(2)** Digital STRs are ingested into D3 **(3)** D3 crawls all STRs and indexes PII (social security numbers and names) **(4)** D3 filters non-social security numbers and validates that numbers are true social security numbers **(5)** D3 compares PII found to the known Patient Identity's social security number **(6)** D3 flags and exports potential misfiles into the Misfiles Database for review **(7)** Operator reviews specific pages to determine if true misfile or if flagged number is a provider social security or other valid number **(8)** Operator fixes true misfiles in Unidex and all STRs, including fixed misfiles, are uploaded to HAIMS

anacomp®

www.anacomp.com

(h[s])® HYPERSCIENCE

Over 50 Years of Data Innovation

Healthcare Data Processing, Data Discovery & Professional Services

Anacomp has served the government, military, and Fortune 500 companies with data innovation and accurate digital transformation projects:

- Our proprietary methodology enables document **metadata accuracy up to 99.995%** and efficient management of risk

- Anacomp conversion centers, infrastructure and processes are certified compliant with the **highest security protocols** including NIST SP 800-171, NIST SP 800-53 Level 3, OMB Circular A-130, Privacy Act of 1974, and HIPAA

- Our professional staff have decades of experience with **professional certifications** in Project Management, Lean Six Sigma, ECM, BPM, and Partner Technologies

The Leader in

Healthcare Intelligent Document Processing

Hyperscience is the leader in intelligent document processing using highly efficient methods of machine learning:

- Extraction of text and handwriting - **even poor quality, noisy or skewed**

- Extraction from multiple formats & templates, for example: **over 700 different formats at a Cabinet Level Agency**

- Efficient bulk record **processing with ~2M records per day for one project**

- Confidence scoring on every segment

- Automation of the process, and keyword identification

- Workflow customization and ML capabilities improvements **including automated redaction**

anacomp®

(h[s])®
HYPERSCIENCE

D3 Data Discovery & Distillation

D3 provides a comprehensive single pane view of your entire data estate with an instantly searchable, up-to-date inventory of all unstructured and structured files, including images with text.

Monitor with continuous updates, workflows, filters, and alerts.

OTHER DATA PROCESSING USE CASES

Our **D3TECT** and **D3 DATA DISCOVERY & DISTILLATION** solutions can be used to automate data identification, inventory, risk assessment, and data monitoring for a variety of challenges

- **High-volume data processing with quality control for analytics**

- **Cloud and data migrations**

- **Zero Trust data inventory, risk assessment & categorization**

- **Data management & governance**

- **Secure data declassification**

- **M-19-21 compliance**

D3
Data
Discovery
Distillation