Analysis and Tools for Auditing Insider Accesses

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Analysis and Tools for Auditing Insider Accesses

Quad Chart for:

Challenge:

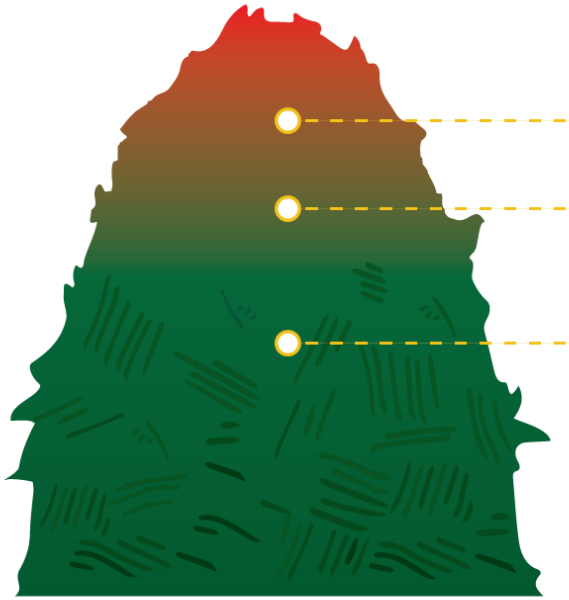
Identifying inappropriate access to electronic medical records

Solution:

- Graph-based machine learning
- Identify reason for each access
- Fill-in missing facts for analysis (enhanced explanations)
- Rank accesses by suspiciousness

Delivery System:

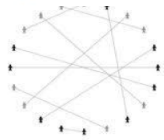
- Integrate with EMR systems
- Deploy as VM locally or in cloud



Ranking 1%

Enhanced explanations 97-99%

Filtered by explanations 95-97%



MAIZE ANALYTICS

Value proposition:

- Filtering 95-99% of accesses
- Reduce time to complete audits
- Focus auditors on suspicious behavior

Results:

- NSF ICorps Completed: 2013
- Company created: Maize Analytics
- Growing user base (nearly profitable)

Contact us

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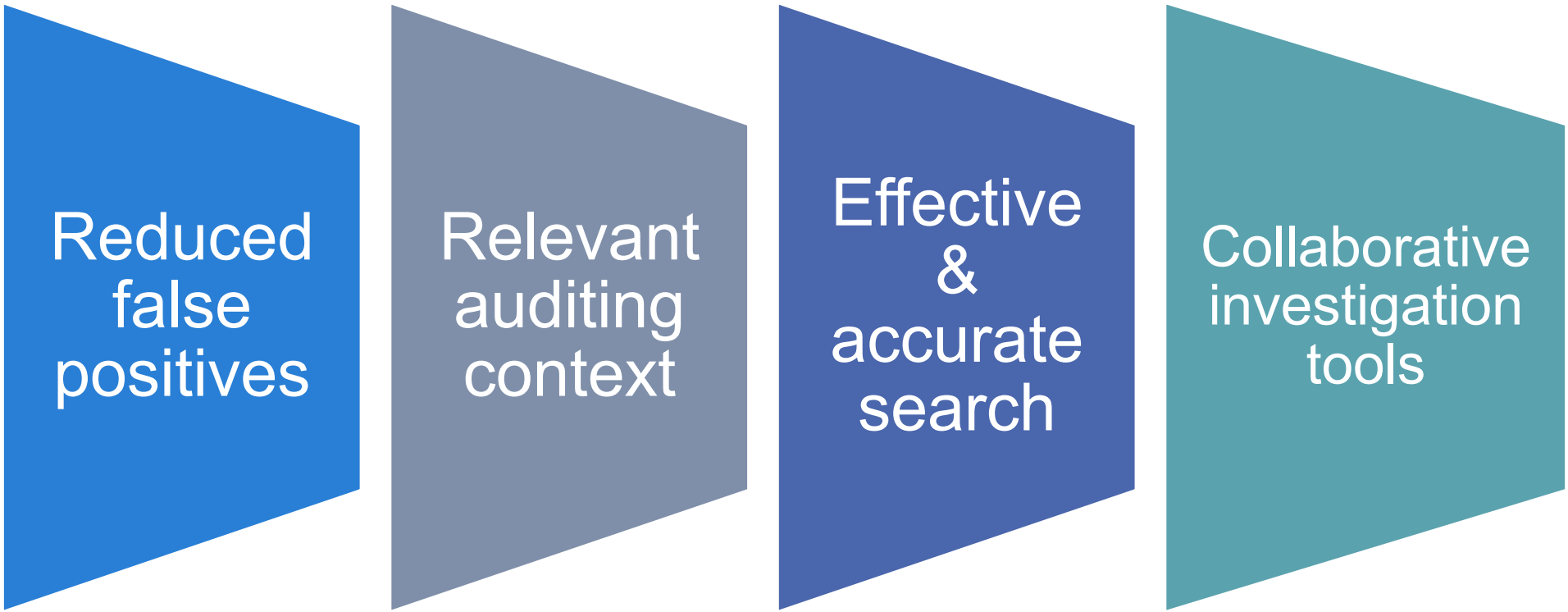
What Privacy Officers Ask For

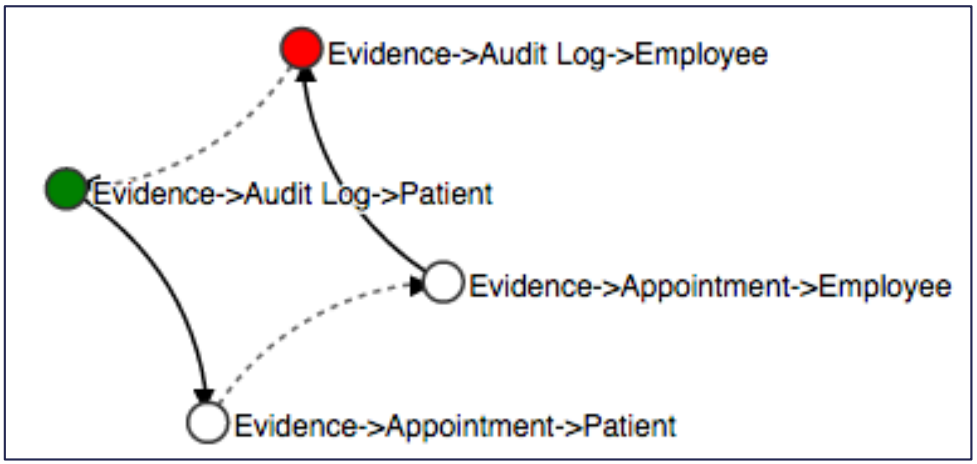
Problem: Monitoring for inappropriate access to patient data

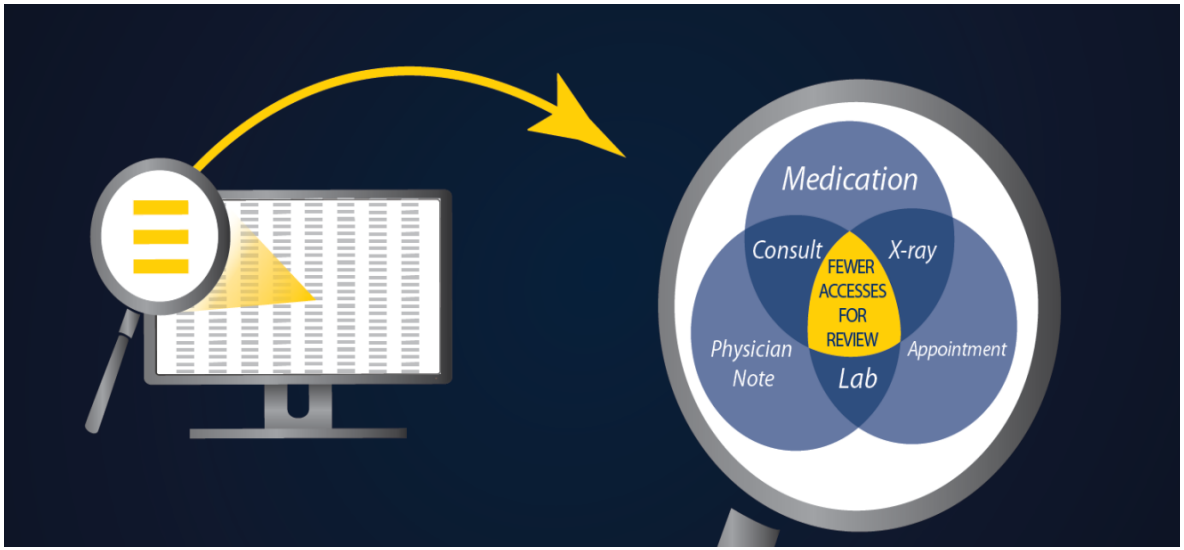


Efficient Search for Inappropriate Access

Find connections between patients and employees

Accesses with connections deemed to be appropriate





Automatically filter **95-98%** of accesses

Rank Suspicious Accesses

Challenges

Integration with EMR Systems

Cerner GE Healthcare Epic Allscripts…

Deployment (local vs cloud)

Hospital Sales:

- Need for reference
- Long time to close

Trajectory

NSF ICorps 2013

Started Company: Maize Analytics

Growing Team

Realization we needed non-tech skills (training, ops)

300+ Hospitals and Health facilities actively using Maize

Need to support each organization and specific needs