



Data Sifter

TECHNOLOGY NUMBER: 7363



Technology ID

7363

Category

Software

Life Sciences

Accelerate Blue Foundry -

2025/Life Sciences

Nursing Innovation

Inventor

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Further information

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Accelerate Blue Foundry - 2025 (Life Sciences)

OVERVIEW

Data Sifter is a real-time algorithm that intelligently anonymizes sensitive datasets—like electronic medical records—without compromising analytical value. It empowers organizations to fine-tune privacy levels on demand, safeguarding identities while enabling secure, scalable data sharing across healthcare, research, and government sectors. It's just the tip of the iceberg: at grayrain.ai, we're doing the impossible with data—offering patented privacy tech, synthetic data generation (with or without seed data), and a full suite of tools ready to test and review.

DESCRIPTION

Unlike rigid, manual solutions, Data Sifter dynamically transforms structured data in real time—masking individual identifiers while preserving critical patterns and relationships for analysis. It adapts to each data request, optimizing the balance between privacy and utility. The algorithm scales effortlessly with growing datasets and maintains lightning-fast performance, delivering seamless, privacy-preserving access to large volumes of sensitive information.

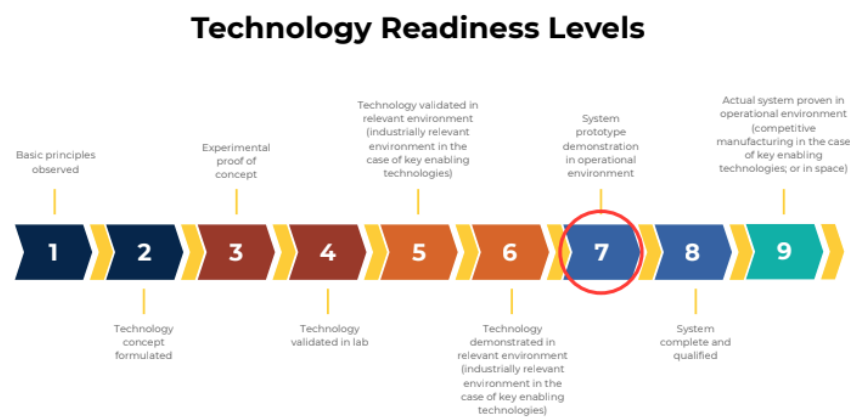
VALUE PROPOSITION

View online page



- Empowers users with granular control over privacy vs. insight—far beyond fixed-rule systems.
- Retains statistical integrity for robust analytics while protecting personal data.
- Fast, efficient, and regulation-ready—built to evolve with your data and compliance needs.
- Compare us directly with leading competitors (<https://gr-sim-tools.grayrain.ai/>) like Gratel.ai (recently acquired by NVIDIA for ~\$350M) and Synthea—we're confident you'll see the difference.

TECHNOLOGY READINESS LEVEL



INTELLECTUAL PROPERTY STATUS

ALL ISSUED PATENTS:

- [US10776516](#)

MARKET OPPORTUNITY

The demand for secure, privacy-preserving data access is surging across industries that manage sensitive records—especially healthcare, government, and insurance—where data is mission-critical but tightly regulated. Risk-adjustable anonymization is no longer a luxury; it's a necessity for enabling research, policy-making, and analytics without compromising personal privacy. GrayRain's patented Data Sifter technology is poised to become a foundational enabler for medical research, public health, and insurance risk modeling as digital data volumes explode and compliance pressures intensify.

The electronic medical records market alone surpassed \$33B in 2024, with rapid growth projected. That's just one slice of a massive opportunity. At grayrain.ai, we're not just meeting the moment—we're redefining it. Our platform offers synthetic data generation (seeded or seedless), direct comparisons with top competitors like Gratel.ai (recently acquired by NVIDIA for ~\$350M) and Synthea, and a full suite of tools ready for hands-on testing. The future of secure data sharing is already here—and it's built at GrayRain.

Explore other available products at [University of Michigan](#)