



Care Gaps in Healthcare - Exafluence Solution & Platform

Part 2

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Exafluence's Care Gaps Solution:

To mitigate the care gaps, Google Cloud and Exafluence have developed a Care Gaps solution using MongoDB that helps identify and resolve care gaps before they lead to more costly and serious medical needs. Exafluence's innovative solution leverages advanced analytics and artificial intelligence to identify and close care gaps effectively. The solution combines the power of data integration, predictive modeling, and real-time analytics to provide healthcare providers with actionable insights into their patient populations.



The Exf-Care Gap Service is a powerful microservice implementation that leverages FHIR integrated data as a single patient or patient group bundle. By applying clinical quality rules and respective profiles to determine if conditions are met or not, it can effectively determine the measures necessary to close care gaps that may exist. The solution's standardized FHIR-based operating model helps integrate into provider systems with ease. This makes care gap information available at the point of care or for patient engagement systems, allowing for proactive measures and empowering patients to take control of their healthcare.

Implementing a care gaps solution

A secure, scalable, proactive and at-edge solution that identifies care gaps at actionable points can be complex to implement. Here's why -

Legacy infrastructure and data interoperability

EHR and workflow integration

Patient friction points

Security, privacy, and compliance

Patient engagement systems for proactive measures

Systems not effectively inter-connected

Integrating data across systems

Value based care adoption in US Health system is a low **29%** despite **82%** feeling that VBC will prevail¹

Average savings for an organization is **> \$439,000** from members with gaps in care²

The key features of the solution are:

Robust care rules engine

- ✓ API-based rules engine implements the FHIR Clinical Reasoning Module along with a Clinical Quality Language interpreter.
- ✓ Custom rules for care quality/gap

Rapid data integration & deployment

- ✓ Deploy quickly with FHIR compliant, REST API-based Solution
- ✓ Easy workflow and EHR integrations
- ✓ Leverages Google Cloud's HDE to integrate clinical data from disparate health systems to create a longitudinal patient record

Interactive FHIR systems

- ✓ Live and interactive FHIR-based systems including end-user applications such as patient portal web app
- ✓ Rapid integration into SMART on FHIR apps

Secure Performance

- ✓ Apigee X for API gateway security with traffic monitoring, bot identification
- ✓ Real-time response in microservice
- ✓ Secure data encryption with MongoDB compliant with HIPAA
- ✓ Easy quality compliance submission
- ✓ Multiple resource profiles

With well identified care gaps available at the point of care, providers can deliver high quality and affordable care to the patient community. They can also effectively manage the medical needs of members, at lower costs and achieve high quality ratings.

Benefits of Exafluence's Care Gaps Solution:

Exafluence's Care Gaps Solution offers several benefits that are transforming the healthcare landscape:

Improved Patient Outcomes: By identifying and addressing care gaps promptly, healthcare providers can deliver more effective and timely care. This leads to improved patient outcomes, reduced hospital readmissions, and better overall health management.

Improving care quality for patients

- Proactive care***
 - Care gap reminders / screenings
 - Appointment scheduling
 - Care co-ordinator interactions
 - Payer / organization interventions
- Holistic care delivery**
 - Care gaps during care delivery
 - Connectivity to EHR
 - Real-time data integration services
 - Custom care gap rules / exemptions
 - Consolidated visits
- Follow-up care***
 - Preventive treatments
 - Early detection and treatment of co-morbid conditions
 - Better chronic care management

*No pre-built products; customer specific development required using Google Cloud and/or ISV partner APIs. Rapid solution prototyping for apps by Exafluence with MongoDB powered accelerators.

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Cost Savings:

Closing care gaps can result in significant cost savings by preventing unnecessary hospitalizations, emergency department visits, and expensive interventions. The solution helps healthcare organizations optimize resource utilization and allocate their budgets more efficiently.

Enhanced Care Coordination:

The real-time analytics and predictive capabilities of Exafluence's solution facilitate better care coordination among healthcare teams. Providers can collaborate seamlessly, share patient information, and coordinate interventions to ensure comprehensive and holistic care.

Streamlining workload for providers

- Streamlined pre-care***
 - Streamlined patient list
 - Configurable workflows
 - Patient data made available prior to visit
 - Pre-scheduling for required tests
- Holistic care delivery**
 - EHR integration
 - Real-time eligibility checks
 - Surface relevant educational materials using NLP
 - Easy clinical entries with pre-identified suspect conditions
- Connected post-care***
 - Higher care compliance
 - Easy report preparation for quality rating submissions (NCQA)
 - Improved provider trust and medication adherence
 - Follow-up patient lists / materials

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Conclusion :

Exafluence's Care Gaps Solution is revolutionizing the healthcare industry by addressing a critical challenge in the delivery of care. By leveraging advanced analytics, data integration, and real-time monitoring, the solution enables healthcare providers to identify and close care gaps proactively. This leads to improved patient outcomes, cost savings, and enhanced care coordination. As the healthcare industry continues to evolve, solutions like Exafluence's are crucial for unlocking the full potential of data-driven healthcare and creating a brighter future for patients and providers alike.

Google Cloud and Exafluence

Identifying care gaps and making them actionable

- Provide better care management and patient experience**
 - Solutions for proactive care gaps determination and well planned patient care interactions
- Easily integrate care gaps detection in provider workflows**
 - Secure care gap solutions that integrate patient data and identify care gaps at point-of-care
- Lower total care cost for payers and organizations**
 - Offerings that focus and enable lower cost care options early-on, reducing emergent care needs

MongoDB + Exafluence + Google Cloud

