PHILIPS

Forcare

forAudit

Putting patient safety and privacy first

Protect patient privacy

Protecting the privacy of patients is paramount. With the introduction of Health Information Exchanges, preventing inappropriate access to patient data has become increasingly important. Philips Forcare forAudit ensures accountability by monitoring and storing all relevant activity within a Health Information Exchange, keeping a record of who accessed what information when.

Easy to use web-based interface

An event database that captures a detailed audit trail and facilitates extensive analytics can be accessed through a flexible web-based interface. ForAudit restricts access to the audit logs through the implementation of role-based access control logic, only granting privileged users access to the audit trails. Sophisticated search and view capabilities make it easy to find the event or series of events you're looking for. Audit trails can be created based on the following filters:

- Patient iD – trace the information relating to a specific patient
- User iD – the activities of an individual user can be traced
- System iD – a single system within a network can be isolated allowing the analysis of access patterns within that system
- Event iD – specific events such as user authentication, patient queries or document retrievals can be analysed
- Date/time range – events can be narrowed to a specific date and/or time range

Effective data analysis

The audit event information in the forAudit database allows you to collect meaningful data from your Health Information Exchange network. Events such as application login, emergency access to patient data or retrieval of patient data are captured by forAudit. All of this audit event data is available for detailed analysis.

Promotes patient-centred care

There are numerous benefits to an effective Health Information Exchange. Ultimately by facilitating the access to and retrieval of clinical data you create the possibility of providing safer, more timely, efficient, effective and patient-centred care. However this also rests on ensuring that only the appropriate people gain access to the system. ForAudit provides you with the perfect tool to not only control who has access to your patient data but also to monitor who has gained access and when. By setting up a simple messaging system, you will be notified when your patient records have been accessed.

Supports legal requirements

ForAudit ensures that patients' health information is properly protected while at the same time allowing the flow of this information within a Health Information Exchange, by supporting audit trail requirements from directives such as the General Data Protection Regulation (GDPR) (EU) 2016/679; the US Health Insurance Portability and Accountability Act (HIPAA) of 1996; and NEN 7510 – the Dutch data protection act specifically aimed at health organisations.

ForAudit provides the following benefits to healthcare organisations:

· **Enhanced quality of care and patient safety** – analysing the access data gained through an effective audit trail ultimately results in improved quality of care and patient safety.
· **Friendly user interface** – a flexible and user-friendly web-based user interface makes it easy not only to access message logs relating to patient information but also to remain in control of who gains access to the information with rolebased access control logic.
· **Improved communication with the care team** – by understanding who has accessed your patient's information and when, communication with the entire care team is improved.
· **Analytics** – through the successful analysis of the data held within forAudit the performance of both the healthcare organisation and the Health Information Exchange can be improved.

Technical specifications

Philips Forcare's products are all platform-independent, support scalable deployments and are regularly validated at IHE connectathons. In order to protect patient confidentiality, all information is encrypted and only exchanged with authenticated systems and users. Transactions are recorded using the IHE Audit Trail and Node Authentication (ATNA) profile.

All Philips Forcare products	IHE Compliance & Commitment (For an up to date list please see www.forcare.com/integration-statements)	XDS, XDS-I, XDS-MS, XDS-SD, XD*-Lab, XDR, XDW, XCA, XCA-I, ATNA, CT, XUA, EUA, BPPC, PIX (v2/v3), PDQ (v3/v3), DSUB, FHIR (MHD, PIXm, PDQm, ATNA), XCPD, MPQ, RMD · Interoperability with XDS components from other vendors possible
	Security	· Secure connections with data encryption · Role-based Access Control (XACML) · Patient consent management
	Service Oriented Architecture	· Designed for scalability · Highly configurable · Virtualisation & Cloud support
	System Management	· Remote, web-based, system management console · E-Mail notifications for critical alerts · Run-time system health statistics · Interfaces monitor · Single click download of system status information
	Operating Systems & Database	· MS Windows Server, Ubuntu Linux Server, IBM AIX · MS SQL, Oracle, PostgreSQL and DB2
	Web	· Apache Tomcat · Internet Explorer, Edge, Chrome and Firefox
forAudit	**Easy Access**	· Web-based user interface · Filter audit trail by patient, user, system, event and date/time ranges
	Analytics	· Summary of audit event details · Detailed audit event information · Raw event data stored
	Integration friendly	· Programming API available for 3rd party system access to audit trail · Auto forward to other audit repository possible
	Security	· Transport level security on audit messages · Role-based access control

Benefits of forAudit

- Lower the cost of ownership – Supporting flexible deployment options, forAudit can be scaled to include the entire Health Information Exchange network or installed locally in each participating organisation, depending on the requirements of your Health Information Exchange, thereby lowering the cost of ownership. Each organisation can analyse the access data for their own organisation and the relevant audit trail can then be forwarded to another repository.
- Based on recognised, tried and tested technology – forAudit is based on the Audit Trail and Node Authentication (ATNA) integration profile developed by Integrating the Healthcare Enterprise (IHE) and solves the challenges associated with capturing an audit trail from multiple, distributed systems, storing messages in such a way that they're available for later analysis.
- Guarantees patient safety and security – Providing the perfect tool to ensure patient privacy, forAudit's role based access means that only those allowed can access patient records, with each access being date and time-stamped.

Why Philips Forcare?

- Solution oriented – whatever your issue, Philips Forcare is focussed on finding a solution. Staffed by experts, our engineers are willing to do whatever it takes to help you.
- Proven, trusted solutions – Philips Forcare has a track record of implementing affordable solutions that are tailor-made to meet the needs of your healthcare network.
- A long-term holistic approach to supporting interoperability – Philips Forcare is committed to Integrating the Healthcare Enterprise. We believe that the key to solving the interoperability challenges lies in a suite of open standardised solutions that take advantage of international developments.

Partners

Philips Forcare works with a range of partners in the implementation of its solutions worldwide including:

AGFA *Agfa* **HealthCare**

IBM

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