



Estonian eHealth Foundation
Tallinn, Estonia
www.e-tervis.ee

Industry:

High Technology

Annual Revenue:

US\$1.4 million

Employees:

20

Oracle Products & Services:

Oracle Database
Oracle Database Vault
Oracle Advanced Security

Oracle Partner:

Estonian Informatics Centre
www.ria.ee

“With Oracle Database Vault and the transparent data encryption feature provided by Oracle Advanced Security, our highly sensitive personal and medical data is now protected against unauthorized access. We, therefore, were able to integrate our national health information system with healthcare providers’ local information systems.” – Madis Tiik, Member of Management Board, Estonian eHealth Foundation

Estonian eHealth Foundation Promotes and Develops National E-Solutions within the Healthcare System

The Estonian eHealth Foundation’s three main goals are: developing and managing the health information system; overseeing national development and administration of classifiers, standards, and object identifiers; and being actively engaged in developing the organization as a center of competence.

Challenges

- Move healthcare data into the centralized Estonian health information system, while making minimal changes to the healthcare providers’ information systems
- Preserve protection of highly sensitive personal data (including patient health records and demographic data)
- Achieve more efficient information exchange within the Estonian healthcare sector

Solution

- Implemented Oracle Database Vault to separate the duties of departmental and administrative activities and make it possible to consolidate servers providing doctors with nationwide access to health records via secure Web services
- Ensured that only healthcare professionals registered by the Estonian Health Care Board have access to patient data—no one else has access, not even database administrators
- Enabled the transparent and flexible protection of health records without changing any applications
- Enabled auditing of all schema changes to track any changes to the health information system application
- Encrypted data in the file system, including database backups, with Oracle Advanced Security
- Benefited from professional support during the implementation from Estonian Informatics Centre