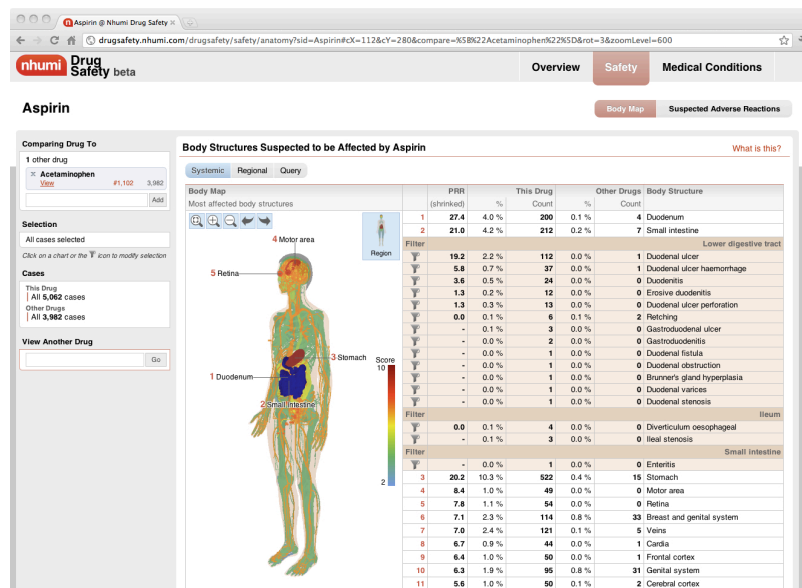**nhumi** Technologies

Nhumi Technologies Provides Clear Overviews on Current Drug Safety Data

The Nhumi Drug Safety web site offers interactive reports on drug safety data that can easily be explored by physicians and patients.

November 28, 2011. Nhumi Technologies AG unveils its new web site http://drugsafety.nhumi.com providing a direct access to the safety information of U.S. marketed drugs.

The web site presents adverse events reported to the U.S. FDA since 2005. It identifies the most relevant safety information and depicts it on a virtual model of the human anatomy showing body parts that are most adversely affected by a drug. Additionally, it describes all data graphically with charts and concise tables. Visitors to the site can quickly explore the safety profile of a single drug and compare it to that of other drugs. They can even focus on a specific group of patients easily by selecting the medical condition, age, gender, or co-medication that best fit their requests.

"We are bringing health data closer to the end user", says André Elisseeff, CEO of Nhumi. "We have developed a system to help experts and patients have a direct access to drug safety facts during their daily activity. Visitors can then compare their observations to the numbers and make the right decision faster.

Example of safety information mapped on the human body to indicate the main anatomical parts that are suspected to be affected by the drug. The right hand side shows the list of anatomical structures that are more adversely affected by Aspirin than by other drugs. The counts represent the number of adverse events reported to the FDA and related to the anatomical structure for Aspirin or for the other drugs.

One of the main issues in evaluating a drug's safety comes from sifting through the large volume of reported data. Masses of data are collected but are buried in "Data Graveyards" such as specialized databases whose access is time consuming and limited to ad-hoc analysis. The Nhumi web site takes this complex issue away by allowing the various data formats and values to rationally combine into information for patients and doctors. This adds transparency and a direct access to all the data, which allows the patients and clinicians to better interpret the conclusions of safety studies and to put them into context. "We have spent most of our research effort designing a data import and management system, that is flexible enough to tackle most scenarios. The system we have built makes it possible to import and connect complex information into a simple repository that can be used for several purposes such as exploring drug safety", says Ulf Holm Nielsen, CTO of Nhumi.

The Nhumi Drug Safety web site is currently in beta version and open to all visitors. It has been designed with the help of safety and medical experts working in hospitals and pharmaceutical companies. The underlying technology was initially developed in Nhumi Study Insight, a web application to support medical reviewers monitoring safety data in a clinical trial setting. Its application to the U.S. FDA AERS safety database is scalable, which enables the integration and analysis of millions of records at a low cost. The technology is further complemented with an automated analysis of the causal relationship between the drug and its adverse events, indicating whenever possible whether one drug is safer than another. The integration of the massive databases on adverse events provided by this technology, coupled with the visualization over a 3D virtual body that was first developed with Thy Mors in Denmark to visualize Electronic Medical Records in a clinical setting, makes Nhumi Drug Safety web site an extremely powerful and user-friendly tool that will highly benefit the medical community and patients alike.

About Nhumi Technologies

Nhumi Technologies is a software development company who develops innovative solutions in eHealth and Pharma IT. Its mission is to provide patients and clinicians with a direct and easy access to clinical evidence, fostering high quality data and evidence sharing for better decision making.

Nhumi Technologies offers:

• Web based clinical trial data aggregation and visualization solutions for leading pharmaceutical companies to review and analyze clinical study data efficiently.

• Visualization solutions for healthcare delivery organization to see the content of medical records intuitively and in a holistic way over a 3D model of the human anatomy.

• eHealth solutions for medical portals to visualize clinical data and to share information with patients.

For more information about Nhumi Technologies, please visit http://nhumi.com

nhumi Technologies

Nhumi Technologies AG (http://nhumi.com)
Zentralstrasse 2,
CH-8003 Zürich
Phone: +41 44 586 30 14
Fax:: +41 43 542 69 10
Email: info@nhumi.com