

CUSTOMER CASE

Dyne Healthcare Analytics

Hypertension Data direct from the GP

The *University of Basel's Institute for General Practitioners (IHAM)* collects patients' data online. The core element of the patient administration database is the web-based IHAM CaseManager, developed by Dynelytics for IHAM.

Institut für Hausarztmedizin Basel

Hc.ch
HypertensionCohort.ch

Almost fifty percent of general practitioners' patients have hypertension. But in Switzerland, no data is collected directly from GPs on patient characteristics, treatment strategies and history data on hypertension and cardiovascular risk management. This was why the University of Basel's IHAM, on the initiative of Professor Dr. Benedict Martina and Professor Dr. Peter Tschudi, set about building a central databank in 2005 in collaboration with Dynelytics (formerly SPSS Schweiz). The purpose of the hypertension databank is to create a GP pool in which to enter data, medication and progress on hypertension. In the meantime, it comprises detailed data of around 1,000 GP patients with high blood pressure.

The core element of the patient administration database and tool and compiled data is the web-based IHAM CaseManager, developed by Dynelytics for IHAM. In order to be able to work with it, the user simply requires an Internet browser, Internet access and a personal user account. Access to individual functions and data is defined automatically via this user account. In this way, doctors only have access to their own

patients' information, while IHAM employees can establish other new users, download all data and carry out further analyses with SPSS Statistics. As confidential, sensitive data is shared over the Internet, data transmission is encrypted.

An interface to SPSS Data Collection Web Interviews, the online data collection tool by SPSS, is directly integrated, which is used by participating GPs to enter relevant basic, diagnostic and therapy data and updates on their hypertension patients. For every patient there is an initial entry, consisting of basic data, and a yearly update, where the doctor only enters changes in relation to the previous year. To remind the doctor, the IHAM Case Manager sends every doctor an automatic email when it is time to update a patient's file.

MORE INFO

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With the database, the GP can analyse his data, accessible only to him, and compare it anonymously. This makes it possible to detect obstacles in managing cardiovascular risk factors and research them. According to Professor Dr. Martina and Professor Dr. Tschudi, the strengths of the GP database include:

- national scope,
- reliable data entry by GPs,
- the possibility of a plausibility check through the data center,
- that not only cross-sectional but also sequential data can be collected,
- along with the possibility of being able to quickly analyse large patient numbers. ●