

## Our Vision

Improvement in the quality of life of patients through innovations and outstanding achievements in medical research and efficient deployment of resources in health care.

Central to providing optimum health services to as many people as possible is the analysis, monitoring and improvement of the mechanisms underlying our complex, expensive health system. The key task facing our interdisciplinary team of doctors, business management specialists, information engineers and social scientists is

to identify deficits in this system and to devise appropriate solutions to enable the best possible deployment of financial and human resources. In concrete terms, the aim is to optimise databases, undertake economic analyses and to establish new structures for the efficient dissemination of medical knowledge.

## Our Portfolio

### Health Management

- Health Services Research, Program Evaluation
- Strategies relating to the Delivery of Health Care
- Health Economics
- Quality Management for GPs and Hospitals
- Health Services Planning
- Evidence Based Medicine

### Health Informatics

- Information Systems and Data Management
  - Support for Administrative Processes
  - Medical Documentation
- Data Analysis
  - Quality Management and Benchmarking
  - Utilization of Routine Data for Evaluation and Research
- Knowledge Management and Decision Support

### Quality Management in Medicine

- We provide tools and techniques for improving the quality of care for chronically ill patients
- Web-based information systems for
    - Structured medical documentation
    - Creation and Dissemination of quality reports
    - Electronic Reminder Systems
  - Quality-Workshops for Doctors and Nurses
  - Certification for Medical Facilities.

Quality management modules currently exist for Diabetes, Hepatitis C, Hypertension and Geriatrics.

### Reference Projects

- Disease Management Program (Diabetes Mellitus II)
  - Program Design
  - Software for Program Administration
  - Software for Medical Documentation
  - Integration into Austrian Health Network (eCard)
- **www.healthgate.at** Healthgate BARS (Benchmarking and Reporting Service) Software for Quality Management and Registers
- Electronic Patient Record for Diabetes Clinics
- Regional Health Services Plan for Styria
- Concept of Care for Nephrology
- Integrated Care for the Diabetic Foot Syndrome
- Patient Education Programs: Diabetes, Hypertension
- Program Evaluation:
  - Integrated care (MI, CHD, Stroke)
  - Mobile palliative care
  - Mediation in home care

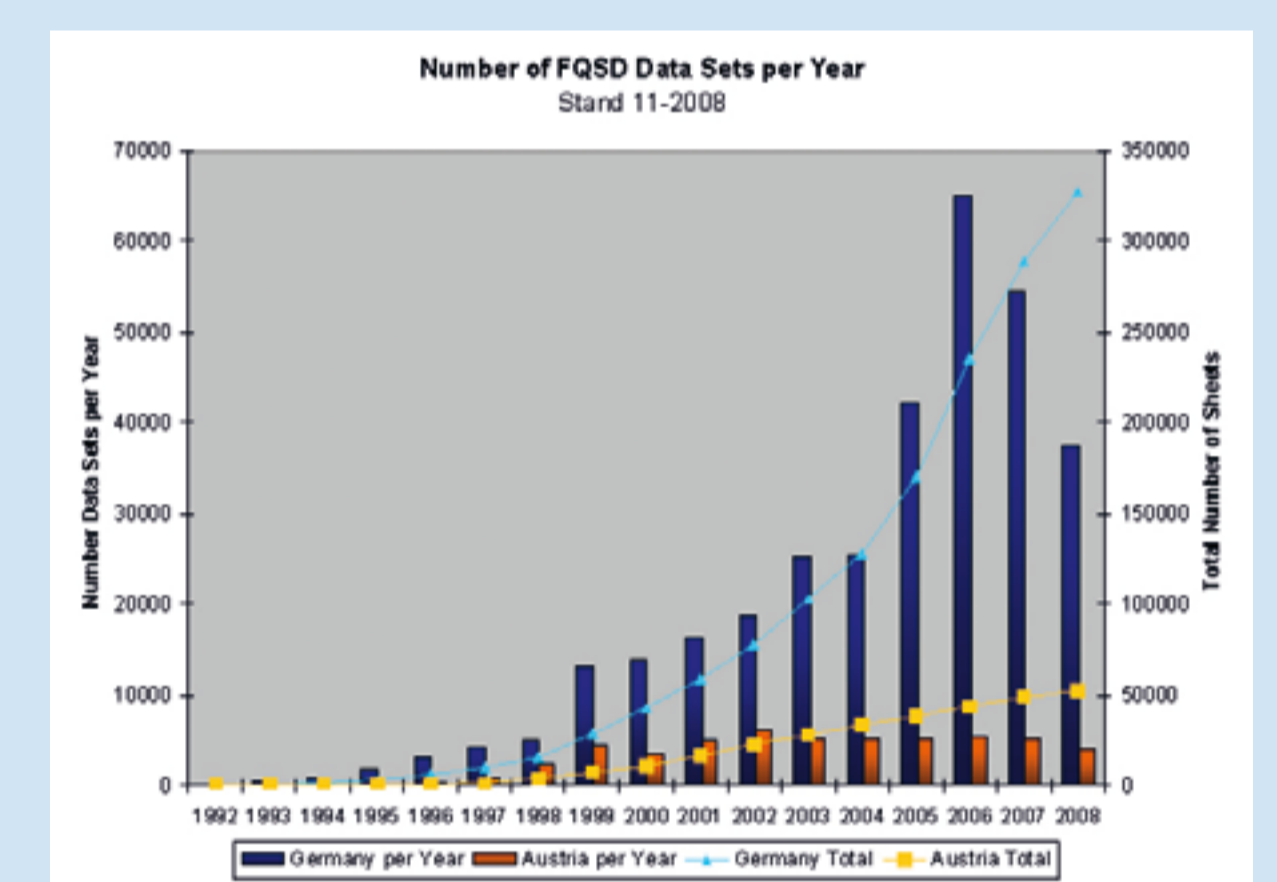


Figure 1: Increasing number of Diabetes Data Sets in Healthgate BARS over time

## Our Role

### EU-BIROD

- Technology Transfer (work package leader) – Implement use of technologies across the consortium
- Data Collection
- Epidemiological Analysis

### BIRO

- Clinical Review (Collection and Selection of relevant indicators and related data items)
- Communication Software (Secure Data Transmission)
- Provided data for Austria and Germany already in EUCID and EUDIP

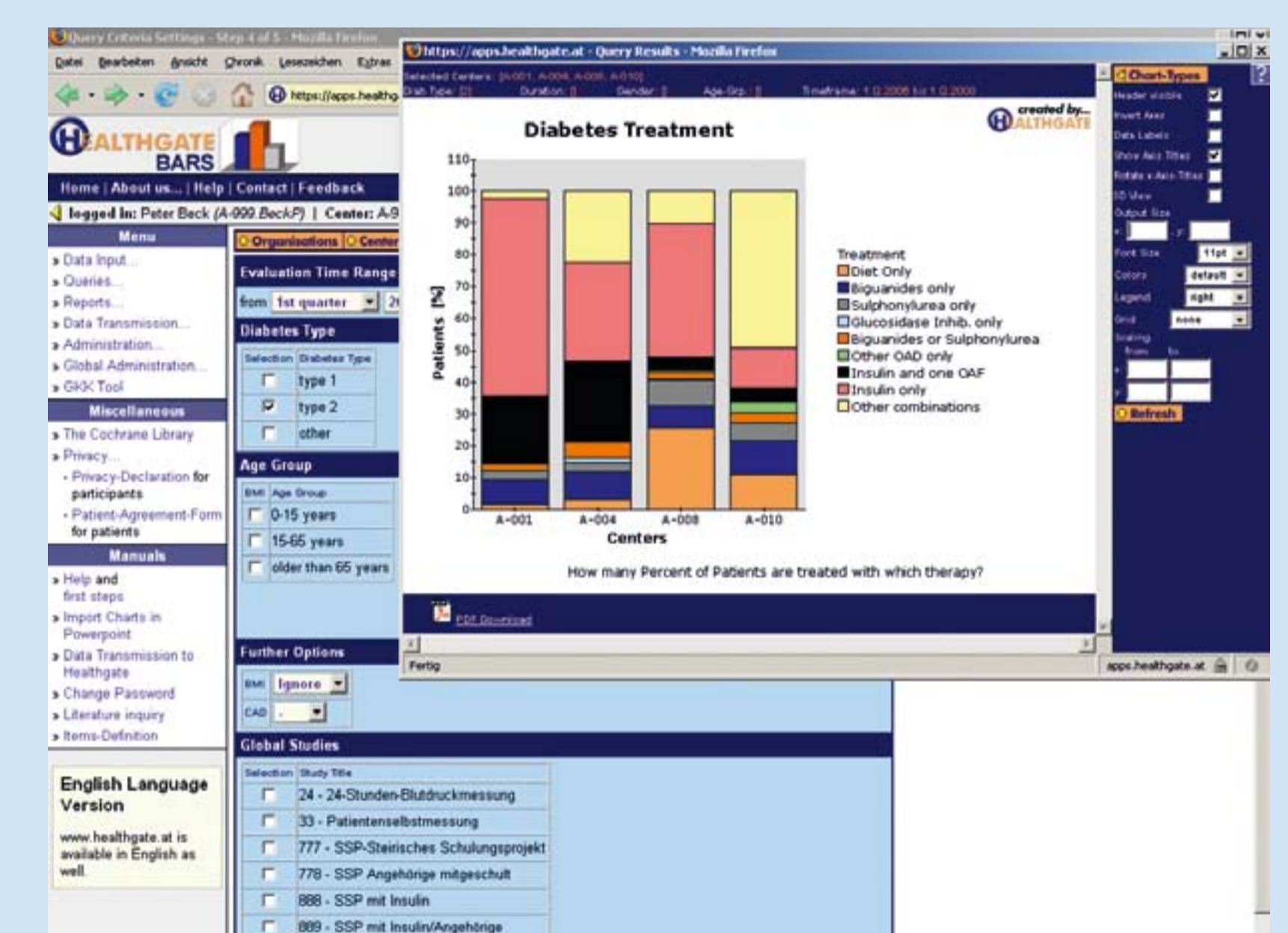


Figure 2: Example of an analysis within Healthgate BARS

## About JOANNEUM RESEARCH

Our 14 research units make JOANNEUM RESEARCH one of the largest non-university research institutions in Austria. Our role as an innovative partner for business and administration is reflected in our wide range of services: apart from applied research and development for small and medium-sized enterprises we offer custom-designed technical business

consulting and vast expertise in interdisciplinary management of complex research contracts at a national and international level.

Our applied research and development activities are designed to provide companies with a competitive edge while ensuring a

secure future and a better quality of life for society as a whole. In addition to this we aim to contribute to the further development of the province of Styria and enhance its competitiveness as a business location within the European Union.

www.healthgate.at  
www.joanneum.at/msg