



Agenda



Hicron at a glance

How to optimize complex analytical queries in a hospital? Case Study

Business Requirements and Business Benefits

References. Areas of expertise



Hicron at a glance. How numbers define us

Over 270 Hicron employees work for the success of our Customers.

90% of our consultants speak English, 50% German

Hicron has offices in 5 locations (Wroclaw; Poznan; Warsaw; Winterthur, Switzerland; Stockholm, Sweden).

We work on 5 continents and have completed successfully over 300 projects.

9 awards and certificates have been granted to Hicron.

Thanks to our solutions, **OVER 200 COMPANIES** are developing even faster.



Business Background:

- Billions records of customer data to be well-maintained
- 2. Various data sources IT solutions
- 3. Data analysis taking too long
- 4. 'Customer First' attitude
- One of the most modern and innovative hospitals in Switzerland



Business Requirements:

- Needs of fast, detailed and correct data analysis
- Using all the features of the availableIT solutions
- 3. Minimise the risk of errors



How the cooperation started:

- Analysis of business processes, hospital procedures and IT solutions
- 2 Suggestions on how to speed up and optimize the analytical processes
- 3 Preparation of the IT background to carry out analytical scenarios



Analytical scenarios:

- Hospital Supervisor: How many Fall and Decubitus cases occur in the hospital? Which
 categories of these cases occur, in which department/subject area? How long patients stay in the
 hospital?
- **Hospital analyst:** What is the number of cases divided by Outpatients/Stationary per month/quarter/year? How long do patients from Stationary Cases stay in hospital?
- **DRG and refunded treatment:** How much did the patient treatment cost in previous months? How much was refunded? How much was paid by the insurer? How much are we still owed?



Business Requirements:

- Needs of fast, detailed, consolidated and correct data analysis
- Using all the features of the availableIT solutions
- 3. Minimise the risk of errors

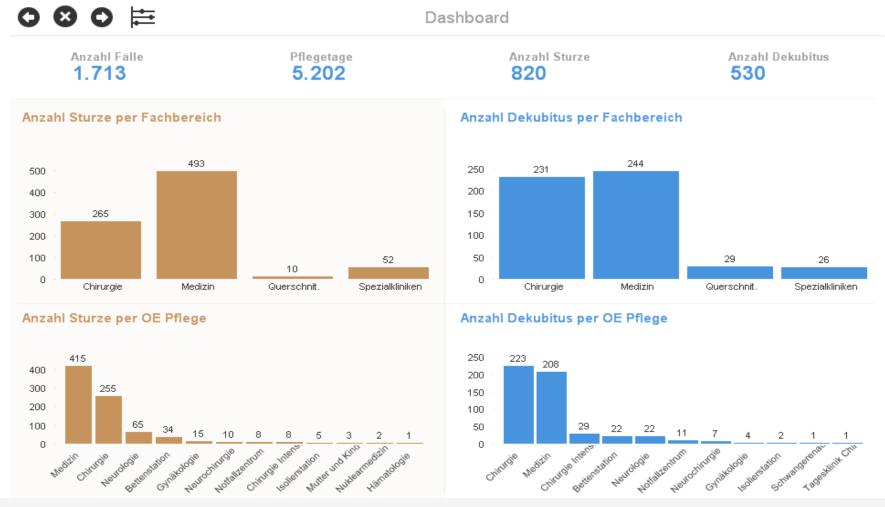


Business Benefits:

- Data analysis speeded up: from days to minutes.
- New analytical possibilities leading to even better management and advanced planning The risk of errors significantly minimized.

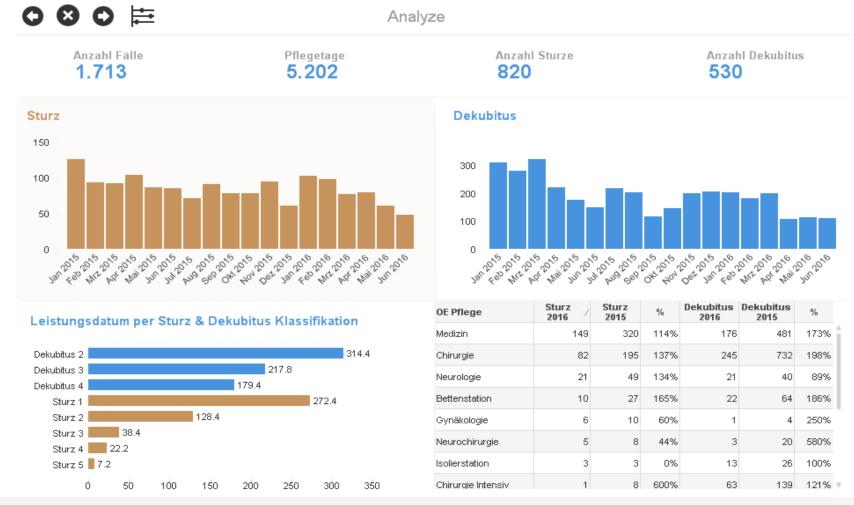


How many «Fall» and «Bedsores» (Dekubitus) cases occur?





Which categories of these cases occur, in which department/subject area?





Examples of other possible analysis

Analytical scenarios:

- How many **tariff points** are settled and how many are to be settled in the chosen departments for ambulatory cases in 2015 and in 2014?
- How many stationary cases are in chosen departments in 2014 and 2015 and which of them generate the biggest cost?
- What does the distribution of men and women cases looks like in the chosen departments in 2015 and 2014?
- What are the age groups of patients that generate **the biggest quantity of cases** for "heart surgery" and "internal medicine" in 2015 and 2014?



References





































Areas of expertise

SAP

Niche, industrial solutions

Enterprise Software

Java, .Net, IoT, Frontend, Hadoop... **Hicron Labs**

Ready to implement



Maintenance and administration



Business Consulting



Areas of expertise. Who we are, what we do



What we do: we support our customers by providing state-of-the-art IT solutions which meet their business requirements



Our goal: business success of our customer



Customer's benefit: fully optimized processes running smoothly with a support of the chosen IT solution



Quality approved:

Over 300 projects, over 200 customers, over 10 years on the market



How many tariff points are settled/are to be settled in the chosen departments for ambulatory cases?



