

Smart Analytics for Smarter Healthcare

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....used by 1,350 healthcare customers in approximately 40 countries...

...87% of healthcare companies in the Fortune 500 rely on SAS...

...including 1,114 health systems...

...and 238 payers (insurers, government, regulatory agencies)...

SAS Focus in Healthcare



Health and Life sciences



Health Care Providers



Health Insurance



Public Health



Pharmaceuticals



SAS IN HEALTHCARE



Next Generation Analytics for Healthcare providers — The Roadmap



Advanced Analytics

- In-patient Volume Forecasting
- Demand Simulation
- Episode Analytics
- Extended KPI's & Dashboards
- Enterprise Data Governance



Connected Hospital

- Wearables & Implants Analytics
- Hospital Equipment Analytics
- Proactive Healthcare Monitoring
- Automated Decision Making



- Average Length of Stay Analysis
- Mortality & Morbidity Analysis
- Healthcare Performance Analysis
- Data Governance Foundation
- Executive KPI's & Dashboards

Reporting

- **Data Quality Dept.**
- **Initial Executive KPI's** & Dashboards
- **Initial Data Mining**
- Skills Building



Optimization

Resource Scheduling **Resource Optimization EMR & Prognosis Analytics (Text)**

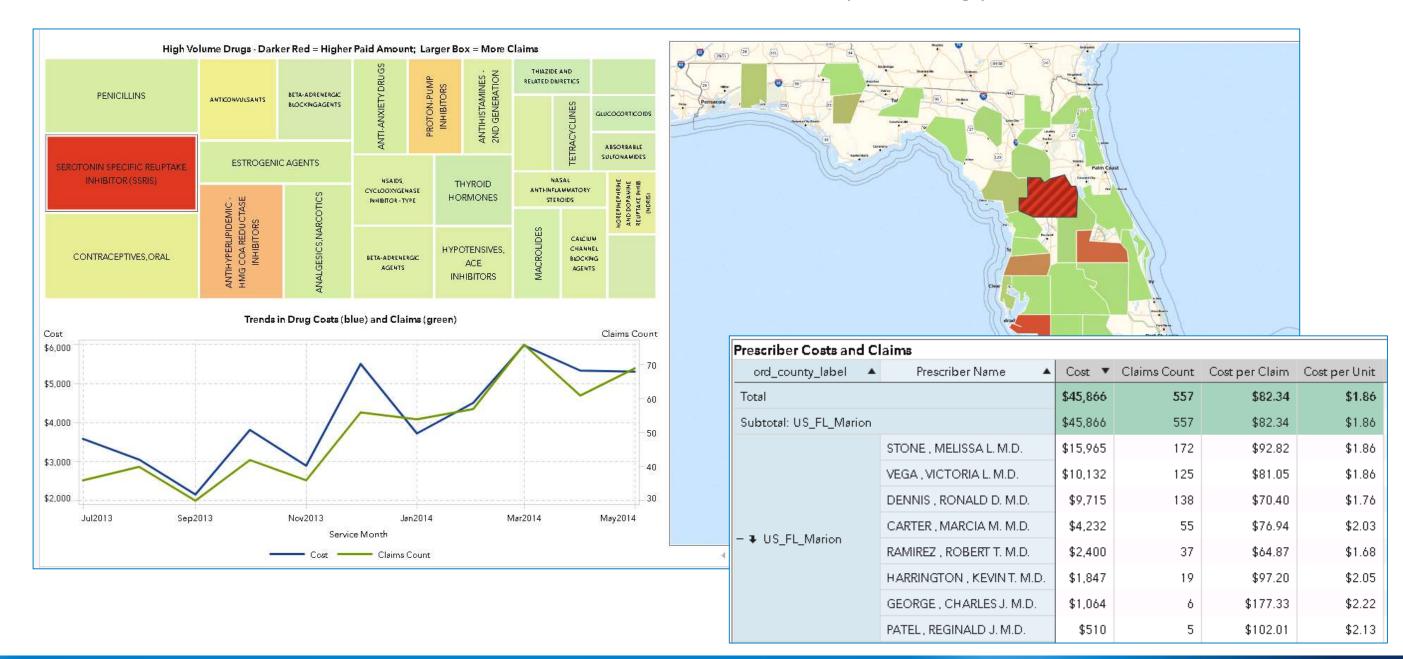
Visualize Patients by Cost, Geography and Condition

Understand Characteristics of the Population



HOT SPOT COSTS, E.G. DRUGS AND GEOGRAPHY

Drill-down to costs associated with individual prescribing providers



Sample Healthcare Case Studies

Using analytics to prevent deadly infections





"If sepsis is properly treated in a timely manner, we've seen that we can save up to 80 percent of the lives that we're losing."

Thomas Heymann

Executive Director Sepsis Alliance

Artificial intelligence to improve population health



"We're working to understand how environmental factors can help predict who may be at risk, allow for quicker diagnoses, and encourage the development of more precise treatments. The modern statistical and machine learning methods, along with the intuitive data visualizations made possible by SAS, have been critical elements of our success to date."

Jim Metcalf

Chief Data Scientist Healthy Nevada Project Al-enhanced tumor assessments bring lifesaving precision.



"A tumor might shrink but not symmetrically. This is difficult to quantify with the human eye. We're now capable of fully automating the chemotherapy response evaluation, and that's really big news. he process is not only faster but more accurate than when it's conducted by humans. Al will help us save lives ... I'm absolutely sure about that"

Dr. Geert Kazemier

Director of Surgical Oncology

Amsterdam UMC



Ďakujem / Thank you

