Helios – Innovation & Digitalization

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The Best of Both Worlds

- Outpatient services
- Procurement
- Outsourcing & Cooperations
- Standard-ization
- Peer- & Management-Reviews
- Clustering
- Laboratory
- Service-App
- IQM
- Quality
- LOS
- Short waiting times
Key Take-Aways

• Smart solutions ...
  … keeping in touch with patients
  … supporting the diagnostic and treatment process

• Digitalization fosters the connection with our partners

• A standardized data bridge is the way for exchange;
  data security and data protection is the frame
Smart Helios – Product Portfolio

**hello**
Patient portal

**OPFIT**
Patient education and engagement Web service for hip replacement patients

**GUIDE ME**
Digital companion and marketplace for home care
Waiting Times Display

- Individual waiting time
- Pseudonym

Emergency department
- Launched
- Roll-out in 5 departments

Outpatient care
- Start testing: 06/2018

Monitor in the waiting area of the emergency department
Mobile Hospital App “Wound Documentation”

- Medical service order
- Photo documentation
- Progress report
- Diagnosis view
- Procedures view
- Document view
Helios Status of Digitalization (EMR)

Clinical processes being evaluated

Digitalization Cockpit

Clinical processes being evaluated

- Hospital Organization: 37%
- Medical Documentation: 48%
- OP-Management: 76%
- ER/Management: 60%
- Nursing Documentation: 21%
- Laboratory Medicine: 18%
- Intensive Care Unit: 80%
- Functional Areas: 62%
HELIOS follows a "1:n cooperation strategy":
-> connection to any partner within Fresenius and beyond
Patient Portal and Electronic Medical Record
Big Data

**Sources**

- Inpatient Information System
- Outpatient Information System

**Data storage**

- API
- Business Warehouse

**Reports**

- BI & Reports
- KPIs

**Helios Data Management**

- Duty schedules
- Staff requirements
- Stock & consumables
- Equipment requirements

**CasePredictor**
Actions for Data Security at Helios

Risk identification

Availability

Security

HELIOScloud

Cyber Defense Center

Prevent

Detect

React
Best Practice Transfer

Mobility apps practices
Patient portal know-how
Future app for German patients in Spain

GDPR implementation
Video conference systems

Health care outcome data benchmark
Procurement of software providers
Cybersecurity protocols

Constant interaction to develop digital best practice
Thank you