



careIT

Bringing the nurses back to the patients with Nursing Process Automation and help doctors and therapists with process optimisation

Carsten Schmid, Head of Sales

NRSIT
INSTITUTE

Nursing Informatics & Technology

The right team for the job



Stoyan Halkaliev - co-CEO, co-founder

Diploma CS, HBSAMP190

- More than 20 years of experience in health informatics
- Founder and 15 years CEO of MEDNOVO Medical Software Solutions
- FHIR enthusiast



Heiko Mania - co-CEO, co-founder

M.Sc., RN, MBA

- More than 20 years of experience in nursing, nursing management and nursing informatics



Tobias Stechbarth - CFO

- Formal education in Banking and Controlling
- 12+ Years experience as CFO in software development companies

Other team members

- 10 x nurses in product and project management
- 6 x software developers, 2 x QA, 1 x designer, 2 x support
- 3 x administration



Dubai 2022 - Winner Jury Award



HL7® FHIR® DevDays 2020

Startup Track | People's Choice Award

HARVARD ALUMNI ENTREPRENEURS

ACCELERATOR

Powered by Pegasus Tech Ventures





Lowest, digitised occupational group (approx. **27 %** in GER)

Approx. **120,000** shortage of skilled nursing staff nationwide

Only **25 %** of duty time is direct patient care

Up to **60 %** of the working day consists of documentation

Hygienic documentation for isolation patients



50 % of hospitals have no tools for care controlling

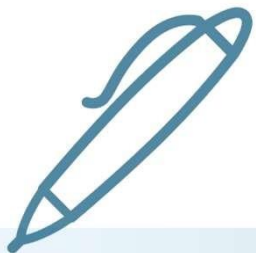
Incomplete revenue protection due to lack of information

Implementation of new legal regulations

Competition landscape for nursing documentation

Documentation 1.0 **Paper & Pen**

- Fixed scope
- Processes hardly controllable
- But well established, clever shortcuts



Documentation 2.0 **Digitisation**

- 1:1 Implementation of the paper forms into digital forms (screens)
- Process follows technology
- Most of the EHRs



Documentation 3.0 **Empowerment & Networking w. Pat.**

- Partially automated care documentation
- Feedback with patient
- Outcome indicators
- Advanced EHRs (Epic, Cerner, ...)



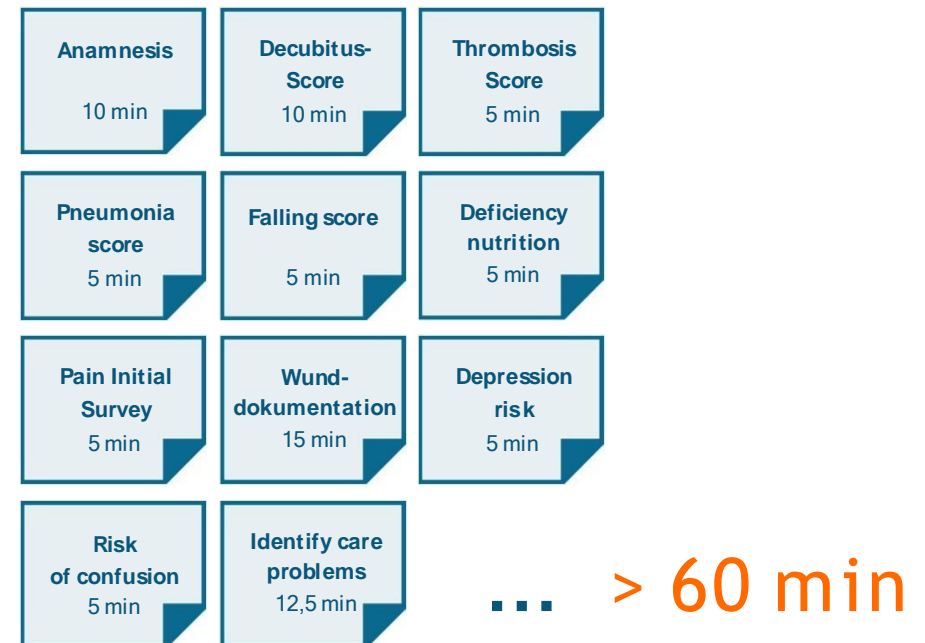
Documentation 4.0 **Agile care on digital workflow**

- Robotic Process Automation
- Decision Support & Prediction
- Lean, transparent processes
- Technology competence
- careIT Pro



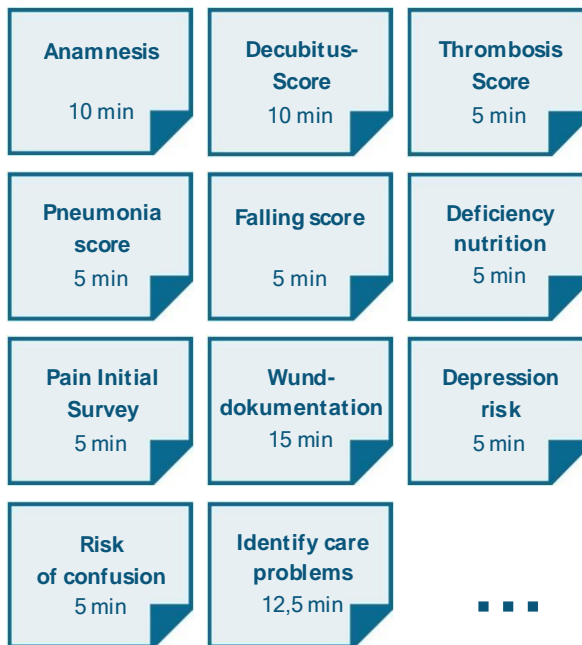


The classic care documentation process

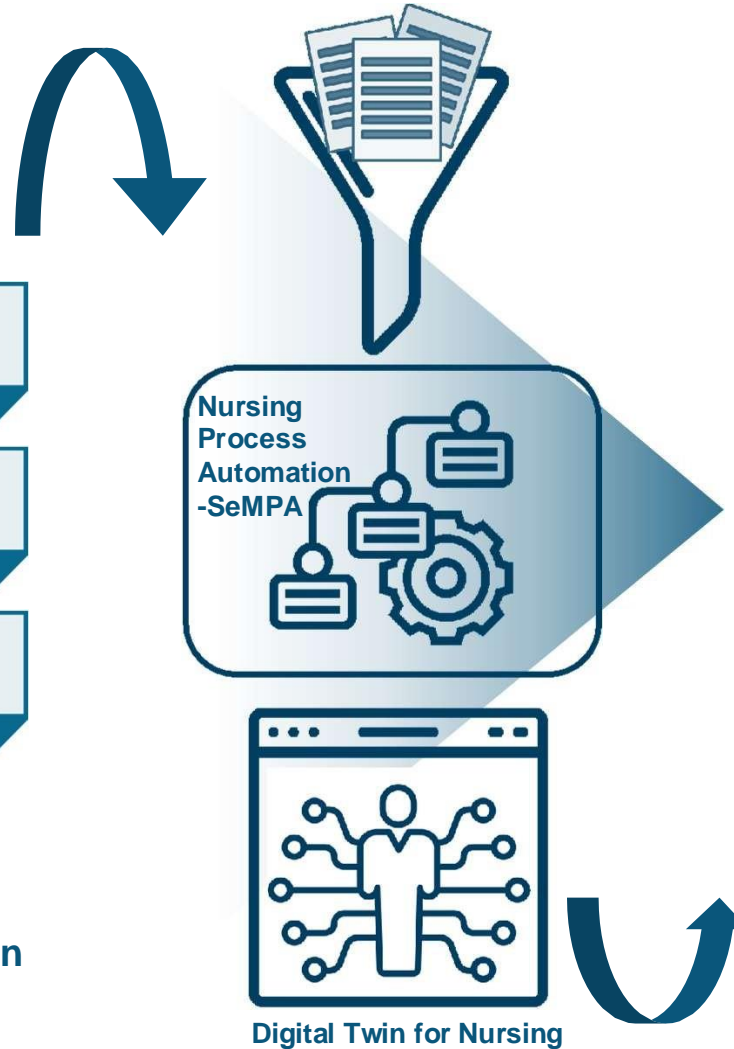


Reduction & automation of nursing documentation is critically needed!

Legacy care documentation process



> 60 min



automates the nursing process
saves more than 60 min per patient/day.

- + Digital anamnesis 3,5 min
- + Digital assessment 1,5 min
- + Care diagnostics 0,5 min
- + Care planning 3,0 min

= **8,5 min** average



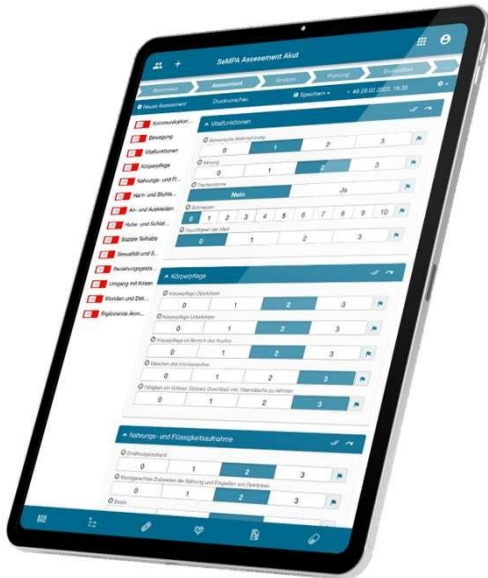
careIT Pro reduces the documentation process to only 2 digital forms and saves more than 60 min per patient per day.

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- + Digital assessment 1,5 min
- + Care diagnostics 0,5 min
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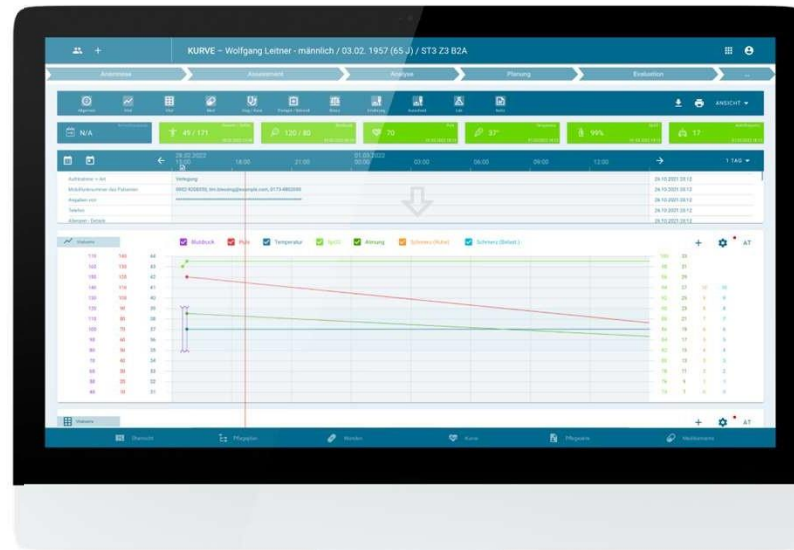
= **8,5 min** average

- Pressure ulcer risk
- Pneumonia risk
- Fall risk
- Thrombosis risk
- Malnutrition risk
- Confusion / Delirium / Dementia
- Depression
- Post-inpatient care deficit
- Self-care index
- Intensity of care
- ICD-10, OPS
- Triggers for nursing experts and processes
- Discharge management

careIT – contains the following core functions, among others:



SeMPA®
Care-Software-Bot
Nursing Robotic Process Automation

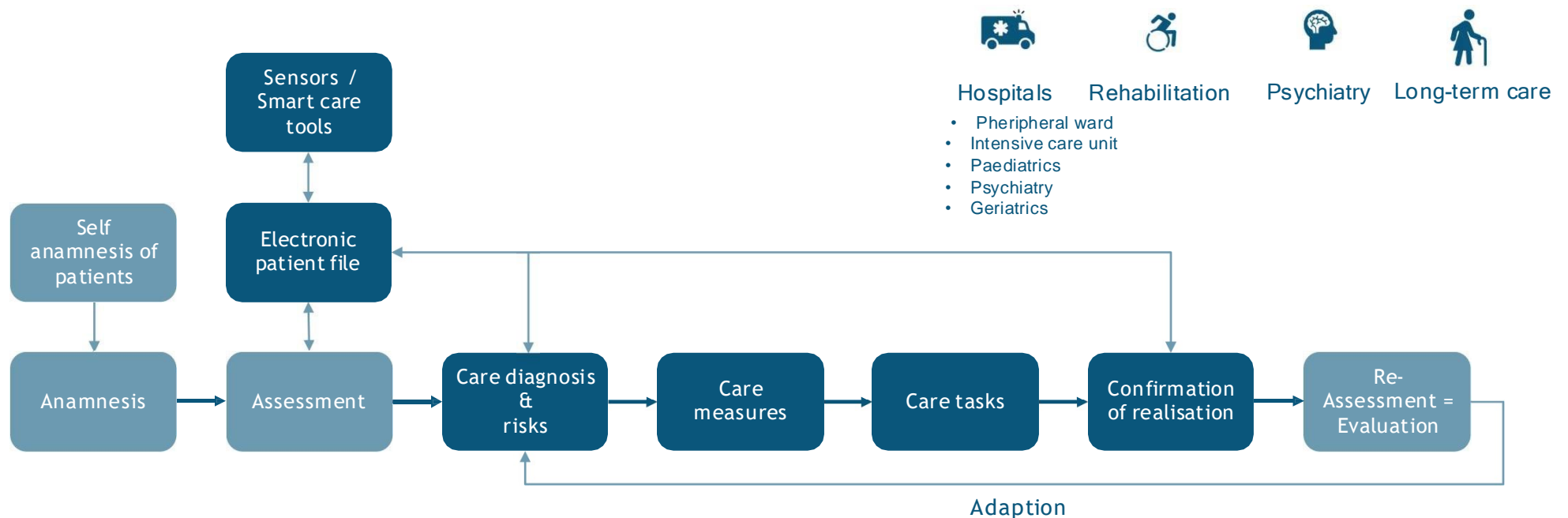


eChart®
Configurable widgets e.g.:
Vital signs, Medication, Balance sheet, Nutrition, ...



3D – Grafixx® – „Care Twin“

careIT Pro - The automatic care documentation process

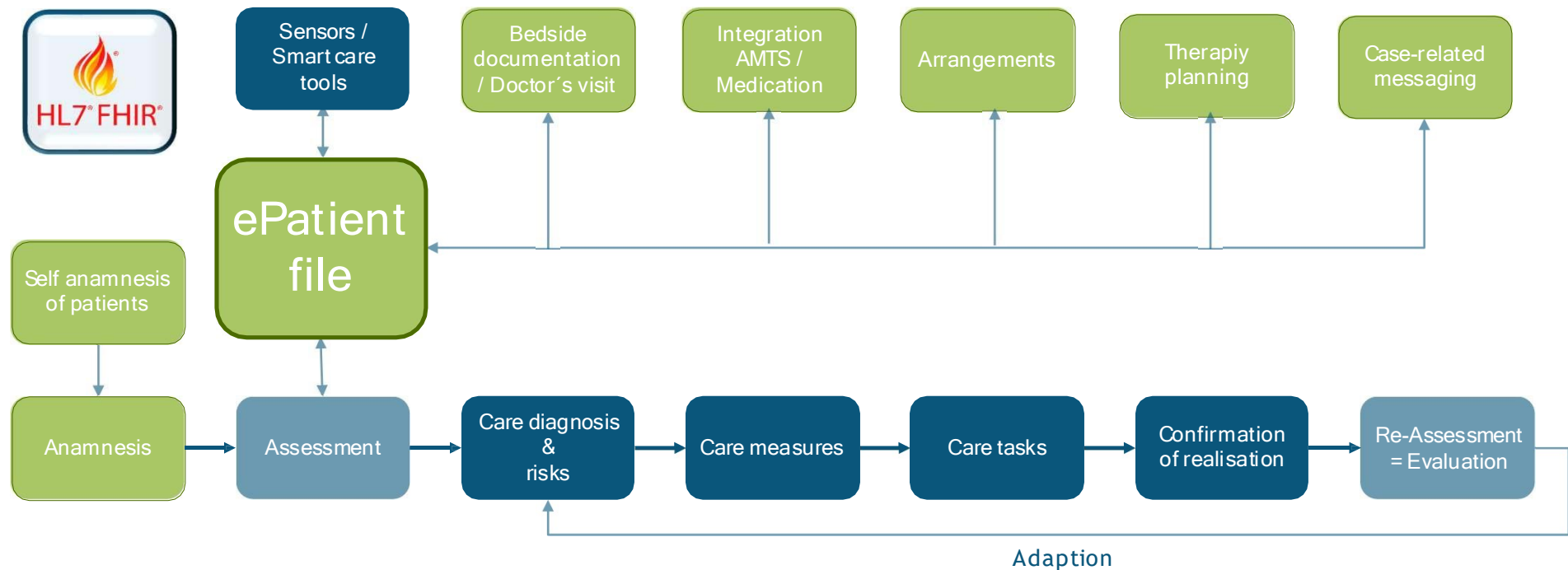


Analysis-Modul : Risks, Alarms, Generation of KPI'sg, Gaps (legal, financial), Prevention, Prediction, Prescription

Reporting-Modul: Dashboards, Evaluation, Reports, Protocols, Kommunikation

manually automatised

careIT One - The smart treatment documentation



Analysis-Modul : Risks, Alarms, Generation of KPI'sg, Gaps (legal, financial), Prevention, Prediction, Prescription

Reporting-Modul: Dashboards, Evaluation, Reports, Protocols, Kommunikation

The nursIT-FHIR-Repository

