

# RHIOs and CCR – Wege zur elektronischen Patientenakte in den USA

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# Agenda

- Meine Erfahrungen
- Status der EHR Entwicklungen
- Continuity of Care

## Goals of Our Times

- Reduce or Contain Healthcare Costs
  - Reduce Administrative Costs
  - Establish Cost Control Measures
- Improve Quality of Care
  - Through Continuity of Care
- Bring Financial Systems into the 21<sup>st</sup> Century

## Electronic Health Records

### Hopes

- **For Government and Insurance:** Reducing Costs
- **For Patients:** Improve Quality of Care
- **For Patients and Providers:** Continuity of Care
- **For Patients and Providers:** Reduce Medical Errors
- Tool for New Scientific Healthcare

## What Has Been Achieved?

1. EHR Systems
2. Continuity of Care
3. PHR Systems
4. Financial Systems

## Regionale Erfolge

- US
- Europa
- Asien
- Kanada
- Neuseeland/Australien

## DRIVERS: AGENCIES & ORGANIZATIONS

- HIPAA
- MMA (Medicare Modernization Act): e-Prescribing
- QIOs: Quality Improvement Organizations
- RHIOs: Regional Health Information Organizations
- HITSP: Health Information Technology Standards Panel
- CCHIT<sup>SM</sup>: Certification Commission for Health Information Technology
- VA shows that costs come down with IT systems
- AHRQ – Agency for Healthcare Research and Quality
- State agencies

## EMR Progress

- Hospitals
- Ambulatory Care
- Long-term Care and Home Health
- Infrastructure/Community Networks
- Alternative Care
- Non-physician Providers

# Drei entscheidende Entwicklungen in den USA

- Persönliche Gesundheitsakte
- Medizinische Communities
- Continuity of Care

## PHR Analysis: Goal

- Patients To Understand Their Health Status
- Patients to Understand Their Illness Symptoms
- Patients to Know and Monitor Their Preventive Status
- Patients and Practitioners to be Partners
- Patients to Manage a Personal Health Record

# PHR Status in US


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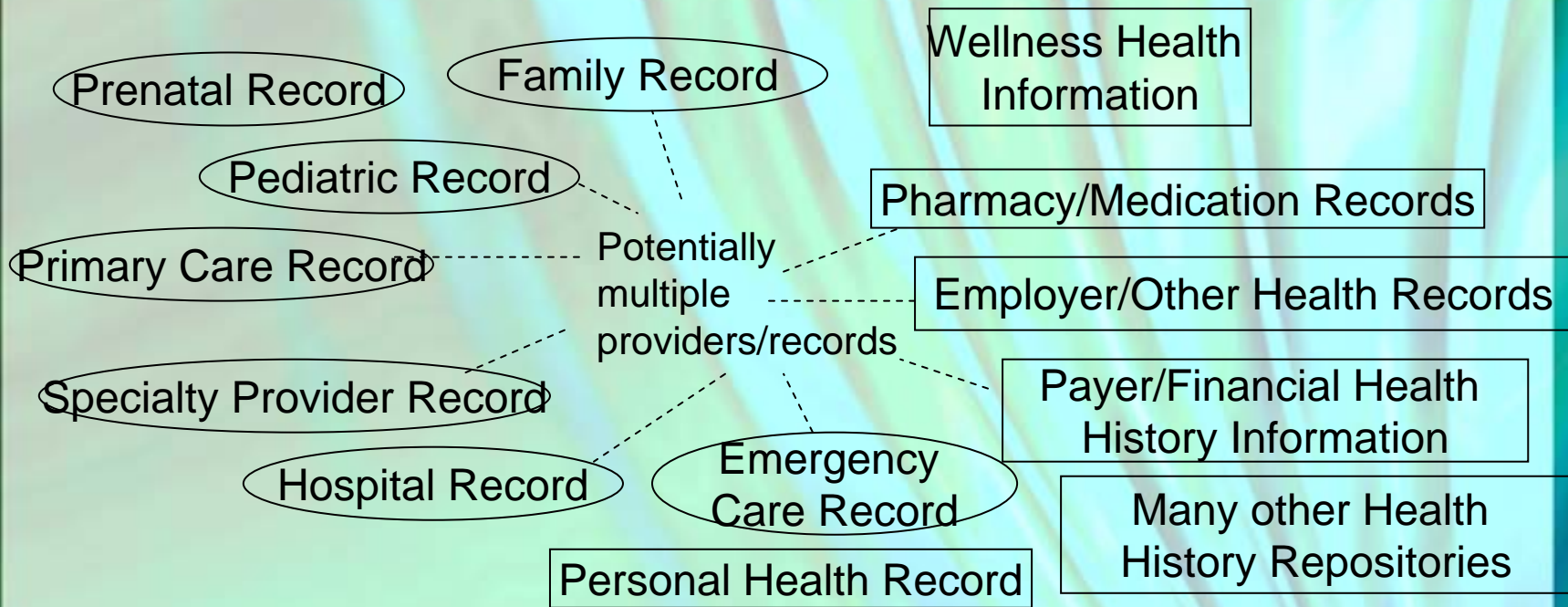
- Rückblick
- 25+ Firmen
- Passive Patienten Portals (PPPs)
- Integrierungsprobleme
- Business Model
- Neu: Google und Andere
- Handies?

# Sharing Medical Information

- Through EHRs
- Creation of Medical Communities
- CHINs in 1998
- RHIOs

# Überlegungen zur Architektur

1. Workflow
  2. Dokumente oder Daten?
  3. Generelle Interoperability v. spezielle Interoperability
  4. Basiert auf Messaging?
- 



## Questions:

- Should there be one database
- If a network is created, which information is to be exchanged?

## Legend

○ EMRS

How many EMRs are in an EHR?

## Future EHR Architecture

### Patient Health Status

All Relevant Health Data (*such as National Standard of Continuity of Care Record - CCR*)

May In Some Cases Be Used For Claim And Billing Purposes

Automated Process

### Patient Care Documentation

A Digital And Newly Structured Version Of The Medical Record

Includes All Management Information Regarding An Encounter/Episode

Automated Process

**Extracted Documentation for Reimbursement Purposes**

# Was haben wir gelernt?

- Trennung von Managementdaten und Patientendaten
- Was ist eine eGA?
- Es ist falsch, die eGA als Lösung zu nehmen
- Wir benötigen einen medizinischen Datensatz, der überall anwendbar ist

# CCR SPONSORS/PARTICIPANTS

- ASTM International E31 Health Informatics Committee
- Massachusetts Medical Society
- HIMSS
- American Academy of Family Physicians
- American Academy of Pediatrics
- American Medical Association
- Patient Safety Institute
- American Health Care Association
- National Association for the Support of LTC
- Mobile Healthcare Alliance (MoHCA)
- Medical Group Management Association
- American Academy of Osteopathic Family Physicians

# Sponsors represent...

- ┌ ANSI-recognized standards development organization
- ┌ Over 500,000 practitioners
- ┌ Over 13,000 IT professionals
- ┌ Over 19,000 managers of over 11,000 organizations in which 240,000 physicians practice
- ┌ Over 12,000 institutions in the long-term care community providing care to over 1.5 million elderly and disabled
- ┌ Major stakeholders in m-Health
- ┌ Patients, patient advocates, data sources, corporations, provider institutions....

# USES OF THE CCR

- For referrals, inpatient or outpatient
- For transfers between institutions, e.g. from LTC setting to acute care
- For discharges without a referral or transfers
- For personal health records
- For other uses, including
  - Moving to a new community
  - Disease management
  - Home health monitoring
  - Public health reporting
  - Access while traveling
  - Disasters


# CCR Body: Patient Administrative and Clinical Data Sections

- Payers
- Advance Directives
- Support
- Functional Status
- Problems
- Family History
- Social History
- Alerts
- Medications
- Medical Equipment
- Immunizations
- Vital Signs
- Results
- Procedures
- Encounters
- Plan of Care
- Healthcare Providers

# USES OF THE CCR

- For reimbursement (not always)
- For referrals, inpatient or outpatient
- For transfers between institutions, e.g. from LTC setting to acute care
- For discharges without a referral or transfers
- For personal health records
- For other uses, including
  - Moving to a new community
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# Take Home Message

1. Suchen Sie praktische Lösungen und schliessen Sie alle Stakeholders ein.
  2. Fokus auf Kontinuität der medizinischen Dienste
  3. Nicht deutsche, sondern internationale Lösungen
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# TEPR 2007

- 21.-23. Mai 2007 in Dallas, Texas
- 3000 Delegates
  - *EMR Compare*
  - Hospital Challenge
  - Lab Demonstration Project
  - 420 Referenten

*Ein Besuch ist's wirklich wert!*

*Wishing You a Successful and Peaceful  
Journey into the New Era of Healthcare*

**Thank You**

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*leading the way to electronic medical records*

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