An Evolving Digital Health Landscape
Transformation and the contributing role of standards

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SNOMED International
Welcome & Bienvenidos
The Landscape
Today’s Global Health Environment

- Aging Populations
- ↓ Budgets, ↑ Costs
- ↑ Chronic Disease
- Coordination of Care
- Community Based Care
- Prevalence Digital Health
Digital Health Beginnings

Telemedicine & Telehealth

Electronic Health Records

Physician Office Systems

*Electronic Medical Records*
The Evolving Landscape

Consumer & Mobile Health

Data Analytics

Precision Medicine & Artificial Intelligence
The Journey
The Renaissance

*This is the moment in history when every aspect of our lives is being affected by technology, data, and a connected innovation ecosystem.*
How it Began

All nations have commonalities and variances in their approach

EHR Building Blocks
Health Care Provider Tools
Consumer & Patient Tools
EHR Building Blocks

- Patient & Provider Registries
- Diagnostic Imaging
- Laboratory
- Drugs
- Clinical Documents

ARCHITECTURE

PRIVACY

STANDARDS

NATIONAL & REGIONAL STRATEGY & LEADERSHIP
EHR Building Blocks: Standards

Standards remain a key building block for interoperability

Moving information in a seamless & unambiguous way

ASSESS CT declares SNOMED CT is the best available core reference terminology for cross-border, national and regional eHealth deployments in Europe
SNOMED International Vision

By 2020 clinical terminologies will be used globally, which will result in better health, supported by one language of health.
SNOMED International produces and enhances vocabulary that enables the clear exchange of health information for all
Common reference terminology

- Facilitates integration of clinical data from multiple sources, which use different code systems or free text
- Provides a consistent representation of meaning for retrieval, processing and communication

Computable definitions of meaning

- Allows meaning-based retrieval of clinical relevant facts
- Defining relationships support powerful querying, reporting and knowledge linkages
Health Care Provider Tools

Telehealth
- Telehomecare
- Telenursing
- Telecoaching
- Telerehabilitation
- Education

Telemedicine
- Teleradiology
- Telepathology
- Telepsychiatry
- Telecardiology
- Telesurgery
Health Care Provider Tools

Electronic Medical Records

The Commonwealth Fund, International Health Care System Profiles, 2015, 2006 International Survey of Physicians
**Consumer & Patient Tools**

**Improve Experiences**

**Access**

**Convenience**

**Coordination**

**E-Booking**
Patients choose their appointments, receive reminders, make changes

**E-Visits**
Secure messaging, video visits

**E-Renewals**
Request prescription renewals online

**Online Access: Health Records**
Lab results, immunizations, summary records
Documenting the Journey

The **Gartner hype cycle** is a graphical representation of the lifecycle stages a technology goes through from conception to maturity and widespread adoption.
The Journey

Looking back to 2009

Figure 3. Hype Cycle for Healthcare Provider Applications and Systems, 2009

Source: Gartner (July 2013)
Challenges: The Last 10 Years

- Leadership, Political Will & Shifting Priorities
- Change Management
- Clinical Acceptance
- Governance
- Cost of Implementing, Maintaining
- Privacy
The Work Continues

Nations still need to find solutions to achieve interoperability
Collaborative Partnerships

SNOMED International has an active program of collaboration with international standards development organizations and professional clinical bodies to facilitate the use of SNOMED CT with other standards.
The Horizon: 2017 and Beyond

SNOMED CT is in a unique position to impact most health technology trends in 2017 and beyond
The Horizon: 2017 & Beyond

2017 Gartner Hype Cycle for Healthcare Providers
Ongoing Hurdles

• Standardization – The “Uniqueness” Problem
• Standards Partnerships & Collaboration
• Interoperability & Industry Role
• National & International Capacity
• Payment Models
• Ongoing Capitalization
Revisiting the Goal

A reality where information flows freely and follows each citizen without encountering barriers among care providers, care delivery organizations, state or country borders.
Continue the conversation at
SNOMED CT Expo 2018
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