

himss *Colombia*

Bogotá, 27–28 November 2017

An Evolving Digital Health Landscape

Transformation and the contributing role of standards

Don Sweete, CEO
SNOMED International

SNOMED CT
The global
language of
healthcare

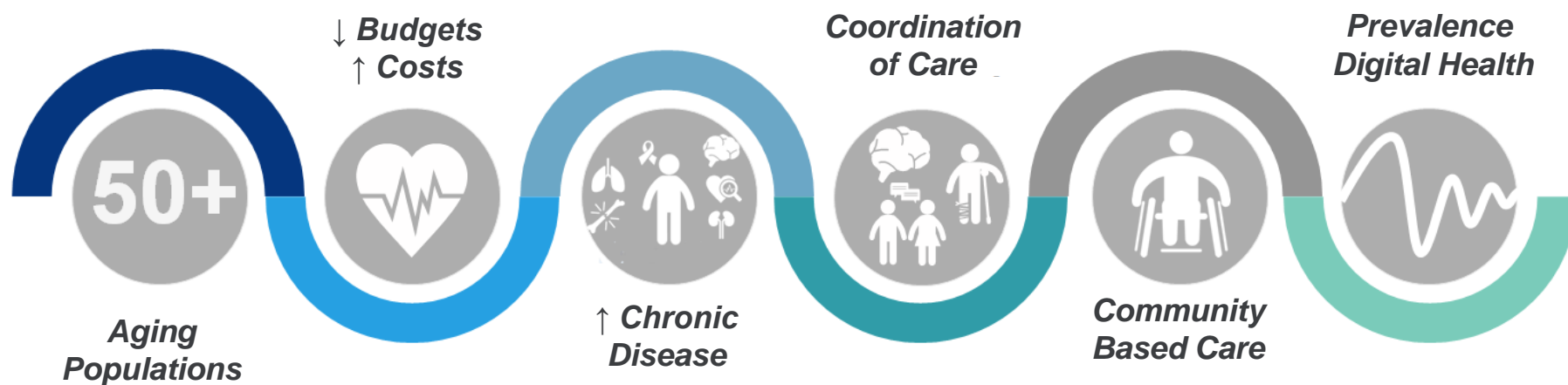
himss *Latin America*



Welcome & Bienvenidos

*The Landscape*³

Today's Global Health Environment



Digital Health Beginnings

Telemedicine & Telehealth

Electronic Health Records

Physician Office Systems

Electronic Medical Records



The Evolving Landscape

Consumer & Mobile Health

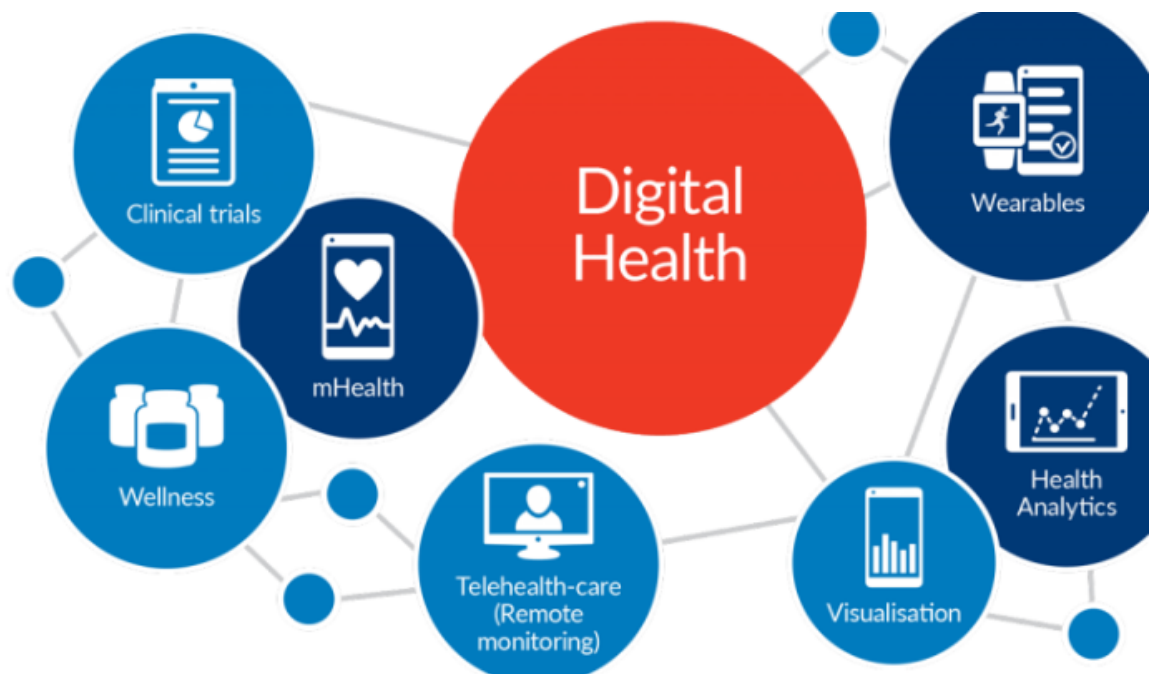
Data Analytics

**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

NATIONAL & REGIONAL STRATEGY & LEADERSHIP

Patient &
Provider
Registries

Diagnostic
Imaging

Laboratory

Drugs

Clinical
Documents

ARCHITECTURE

PRIVACY

STANDARDS

EHR Building Blocks: Standards

***Standards
remain a key
building block
for
interoperability***

***Moving information in a
seamless &
unambiguous way***




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 Mission

A woman with long brown hair, wearing a white button-down shirt and a dark skirt, stands on the left side of the image. She is holding a tablet computer and looking down at it with a slight smile. The background is a light blue-grey gradient with a faint world map. Numerous white, three-dimensional letters and numbers are floating in the air around her, some appearing to be attached to the tablet. A large, semi-transparent white arrow points from the woman towards the text box on the right.

*SNOMED International
produces and enhances
vocabulary that enables
the clear exchange of
health information for all*

EHR Building Blocks: SNOMED CT

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

SNOMED CT
The global
language of
healthcare

Health Care Provider Tools

Telehealth

Telehomecare

Telenursing

Telecoaching

Telerehabilitation

Education

Telemedicine

Teleradiology

Telepathology

Telepsychiatry

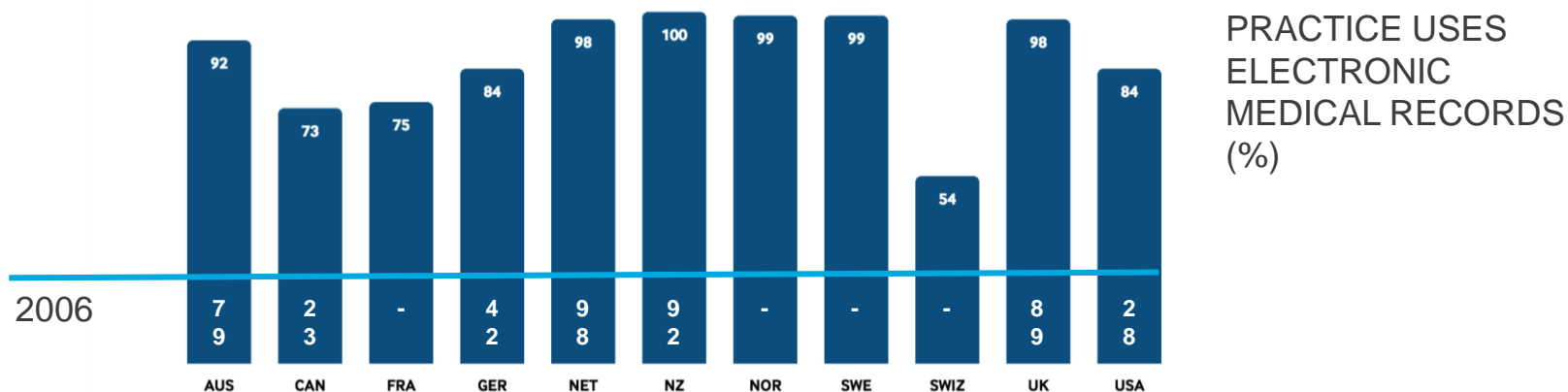
Telecardiology

Telesurgery



Health Care Provider Tools

Electronic Medical Records



The Commonwealth Fund, International Health Care System Profiles, 2015, 2006 International Survey of Physicians

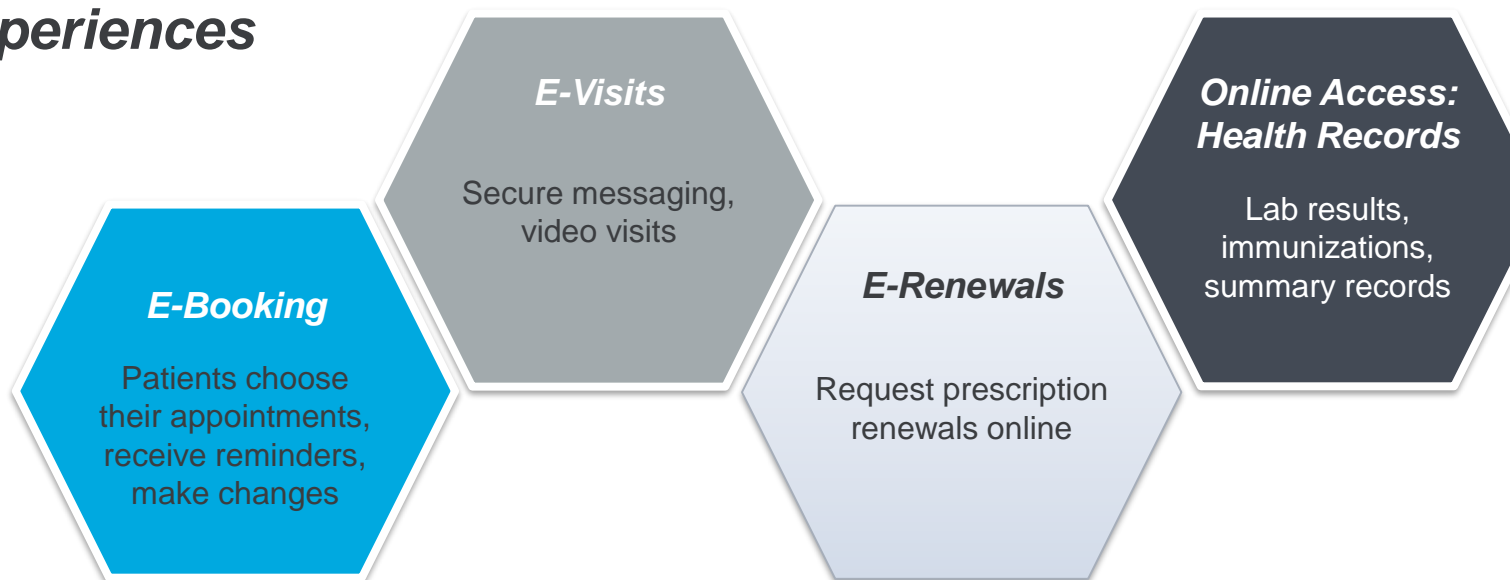
Consumer & Patient Tools

Improve Experiences

Access

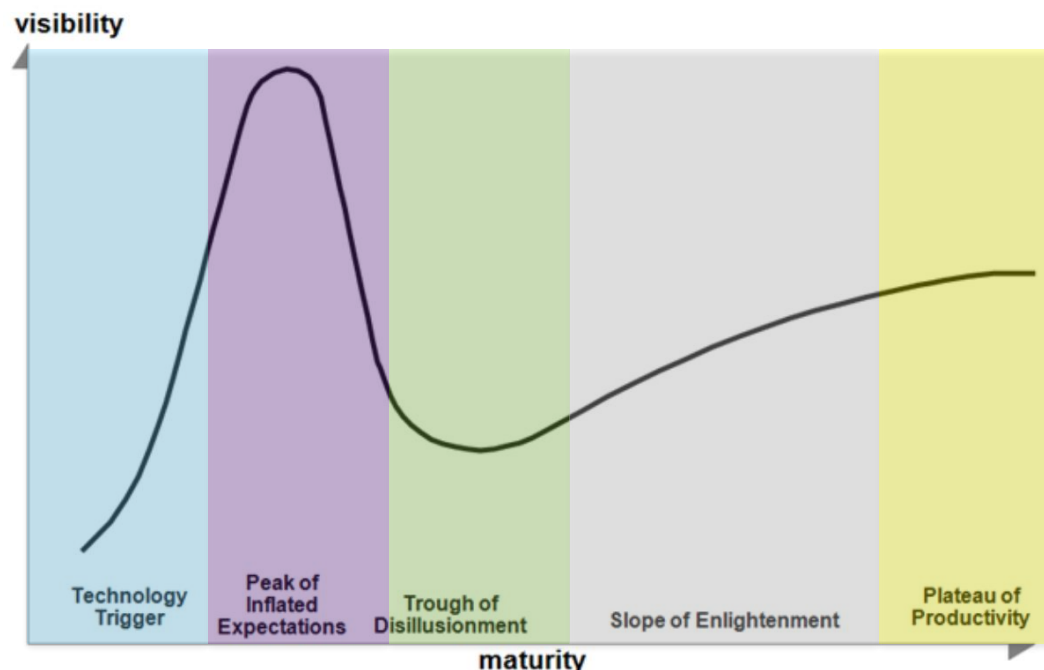
Convenience

Coordination



Documenting the Journey

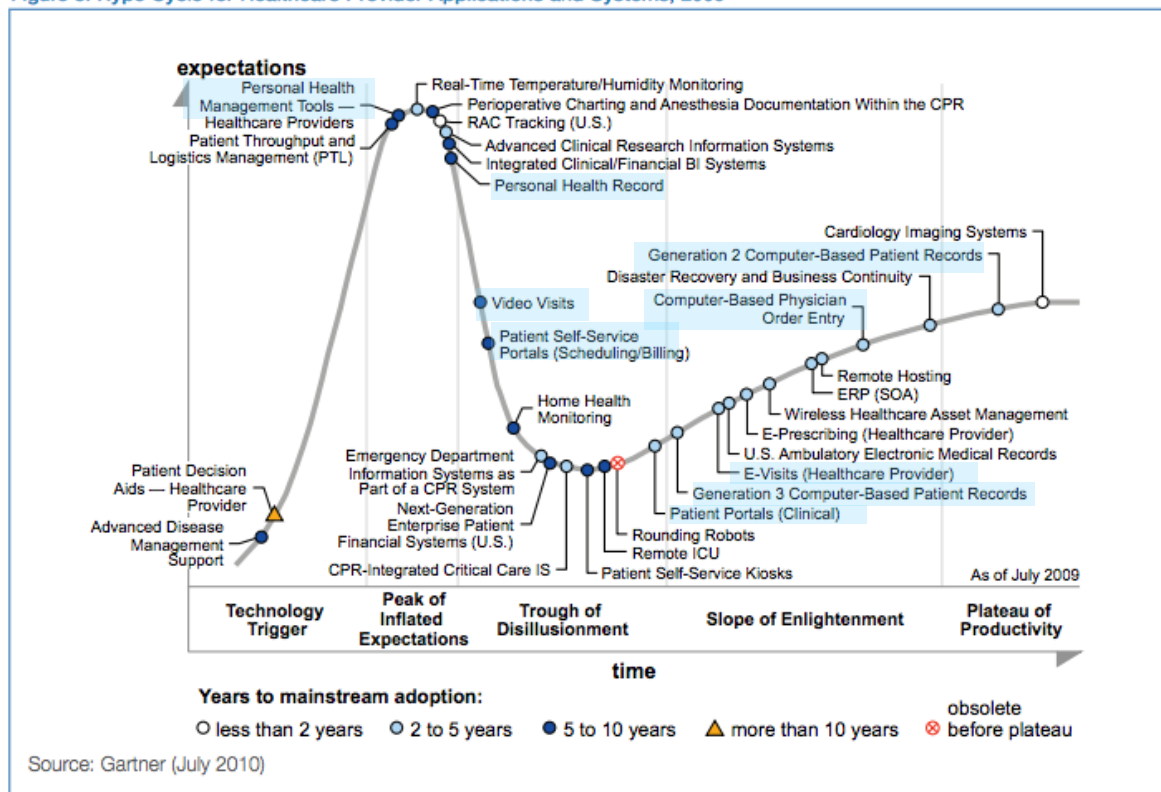
*The **Gartner hype cycle** is a graphical representation of the lifecycle stages a technology goes through from conception to maturity and widespread adoption.*



The Journey

Looking back to 2009

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



Challenges: The Last 10 Years



LEADERSHIP, POLITICAL WILL & SHIFTING PRIORITIES

CHANGE MANAGEMENT

CLINICAL ACCEPTANCE

GOVERNANCE

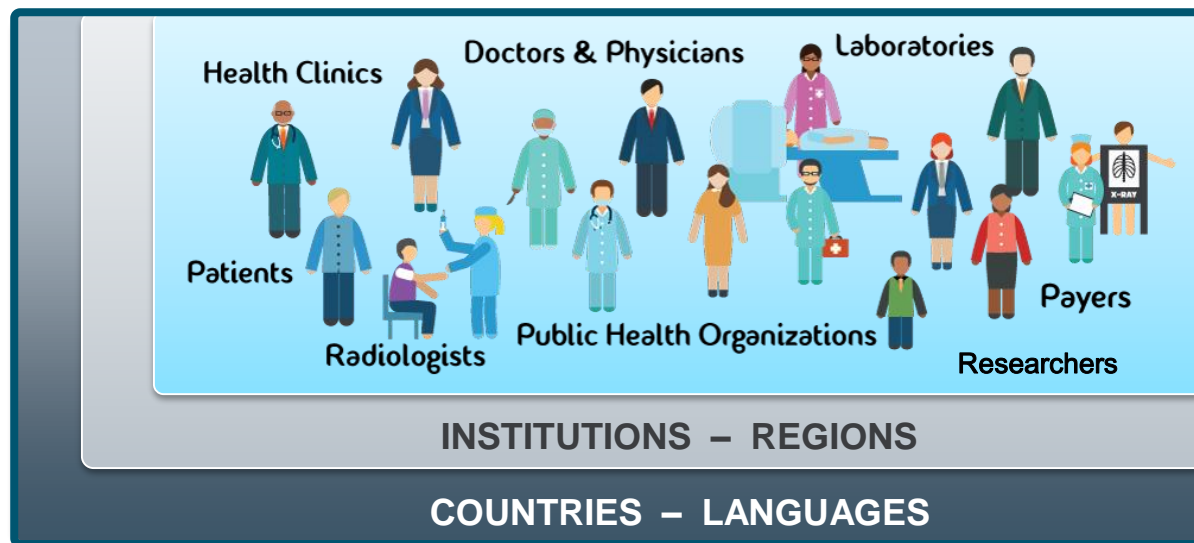
COST OF IMPLEMENTING, MAINTAINING

PRIVACY

The Horizon

The Work Continues

*Nations still
need to
find solutions
to achieve
interoperability*



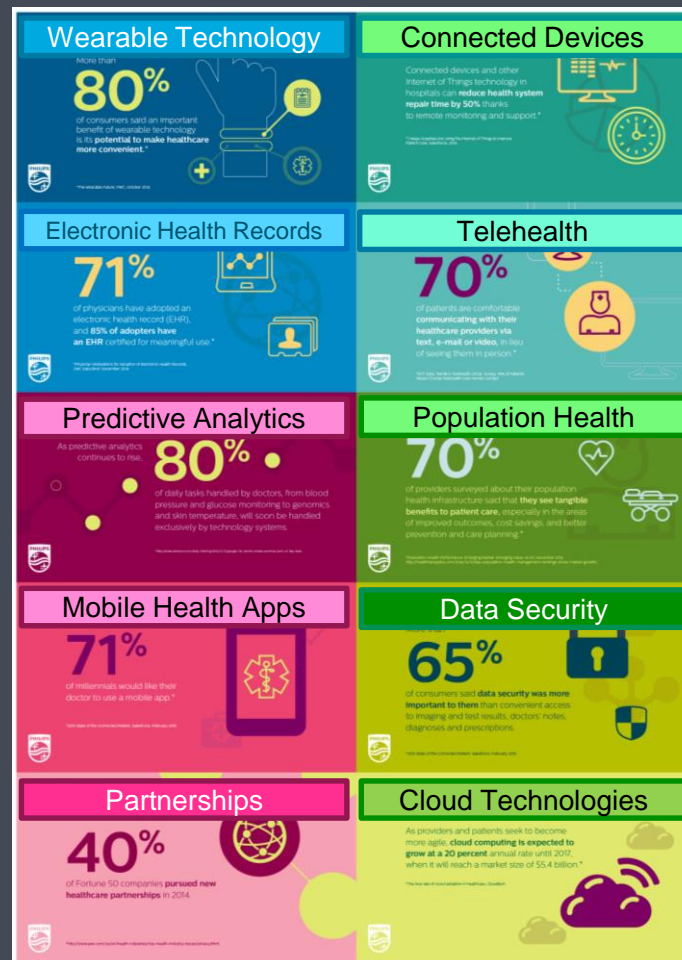
Collaborative Partnerships

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.



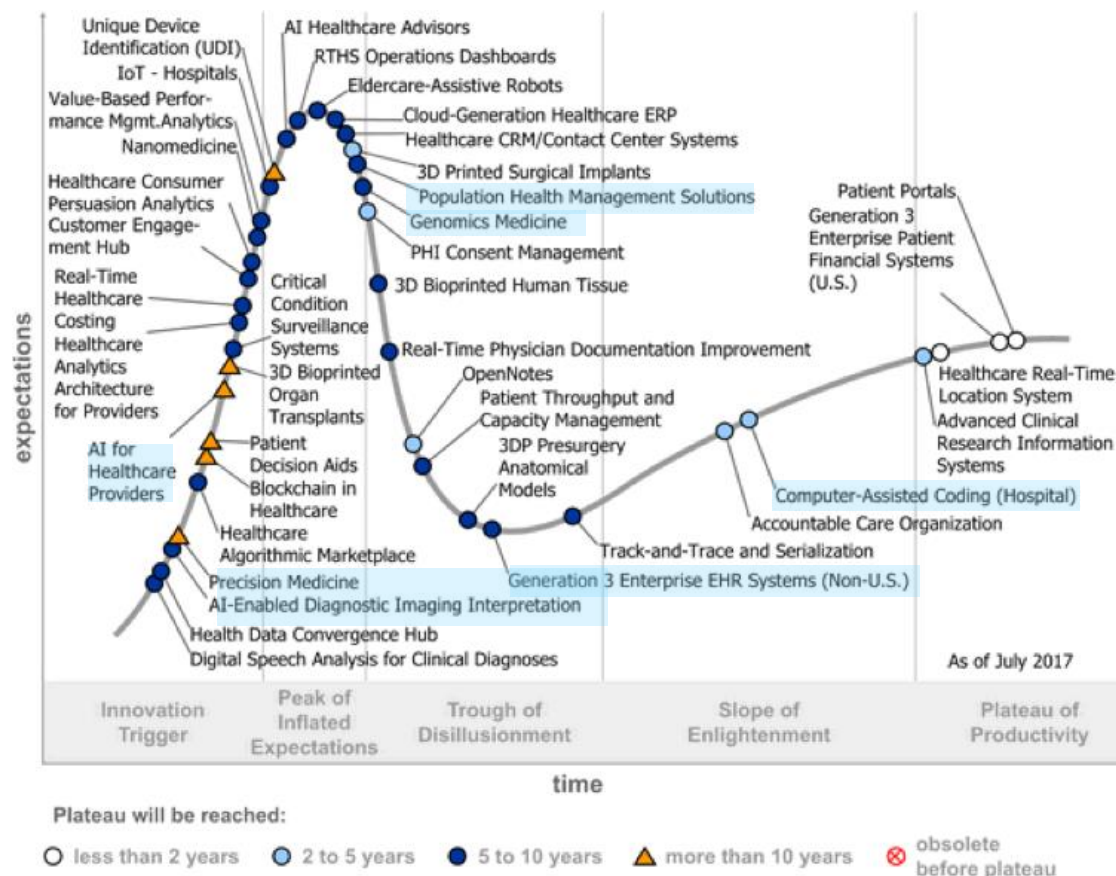
The Horizon: 2017 and Beyond

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



SNOMED CT Expo 2018
Vancouver, Canada
October 18-19, 2018

himss Colombia

Bogotá, 27–28 November 2017



Don Sweete

CEO

SNOMED International

info@snomed.org