Scanning at Point of Care: safer care for patients

Christian Hay, GS1 Global Office
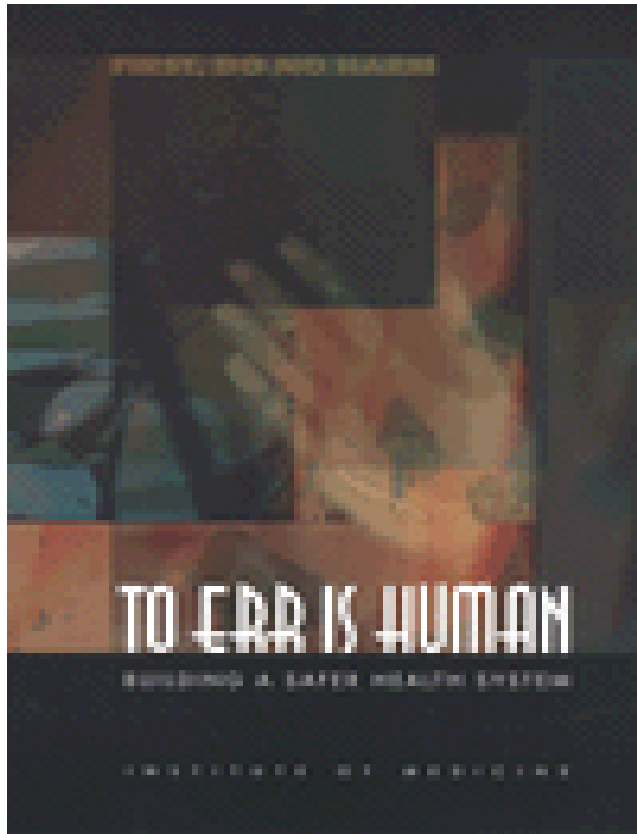Copenhagen
21 October 2014

Welcome

Our round table

- Exchange point of views on
  - Vision
  - Objectives
  - Opportunities
  - Barriers
  - …Successes
- Where do we come from?
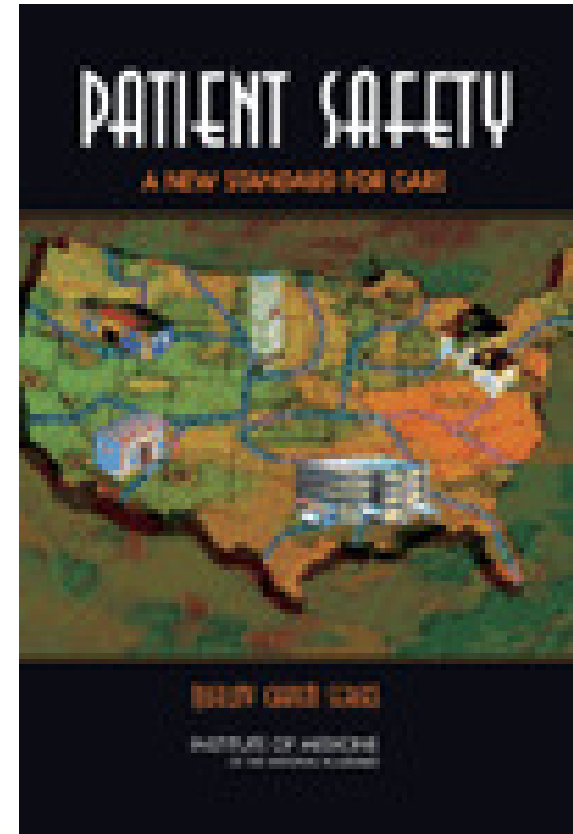- What international standards have been developed?

Institute of Medicine: 1999 - 2003

1999

2003

Some early initiatives

Etude pluridisciplinaire

Identification des doses unitaires de médicaments en forme solide

Journée romande de la traçabilité dans la santé
25 novembre 2004
Lausanne

Dr pharm Patrik Muff
Hôpital Sud Fribourgeois

Using Barcode Technology to Improve Patient Safety

Eric Poon, MD MPH

Assistant Professor
Division of General Medicine and Primary Care,
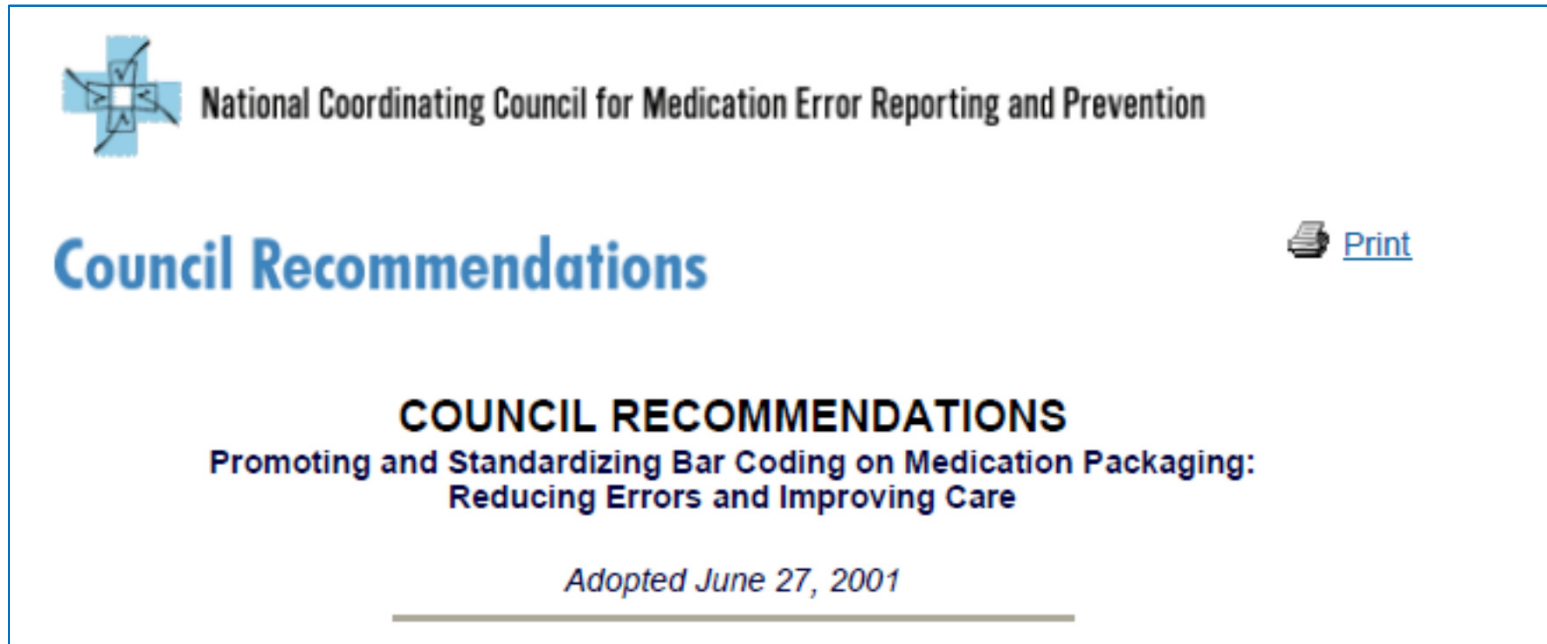Brigham and Women's Hospital, Boston, MA

Physician Scientist
Clinical Informatics Research and Development,
Partners Information Systems, Wellesley, MA

Supported by AHRQ R01 HS 014053 (PI: Gandhi)

2006

Example of users involvement

National Coordinating Council for Medication Error Reporting and Prevention

Council Recommendations

Print

COUNCIL RECOMMENDATIONS
Promoting and Standardizing Bar Coding on Medication Packaging:
Reducing Errors and Improving Care

Adopted June 27, 2001

Example of authority involvement

Creation of a better medication safety culture in Europe:
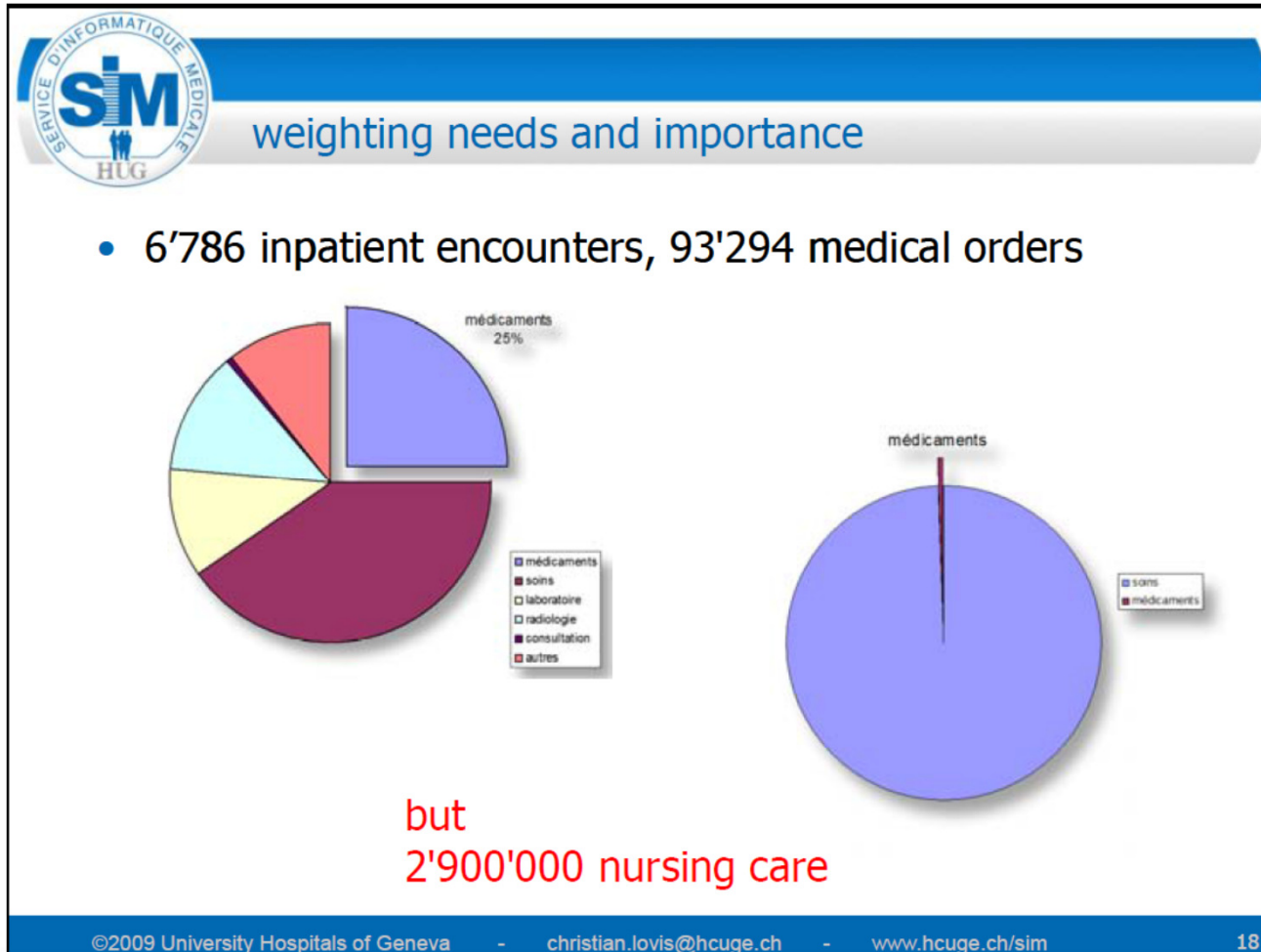Building up safe medication practices
Report

Expert Group on Safe Medication Practices (P-SP-PH/SAFE)

The recommendations were adopted by the Committee of Ministers on 24 May 2006 (Council of Europe Recommendation Rec(2006)7).

Example of provider involvement

weighting needs and importance

- 6'786 inpatient encounters, 93'294 medical orders

médicaments
25%

médicaments

- médicaments
- soins
- laboratoire
- radiologie
- consultation
- autres

- soins
- médicaments

but
2'900'000 nursing care
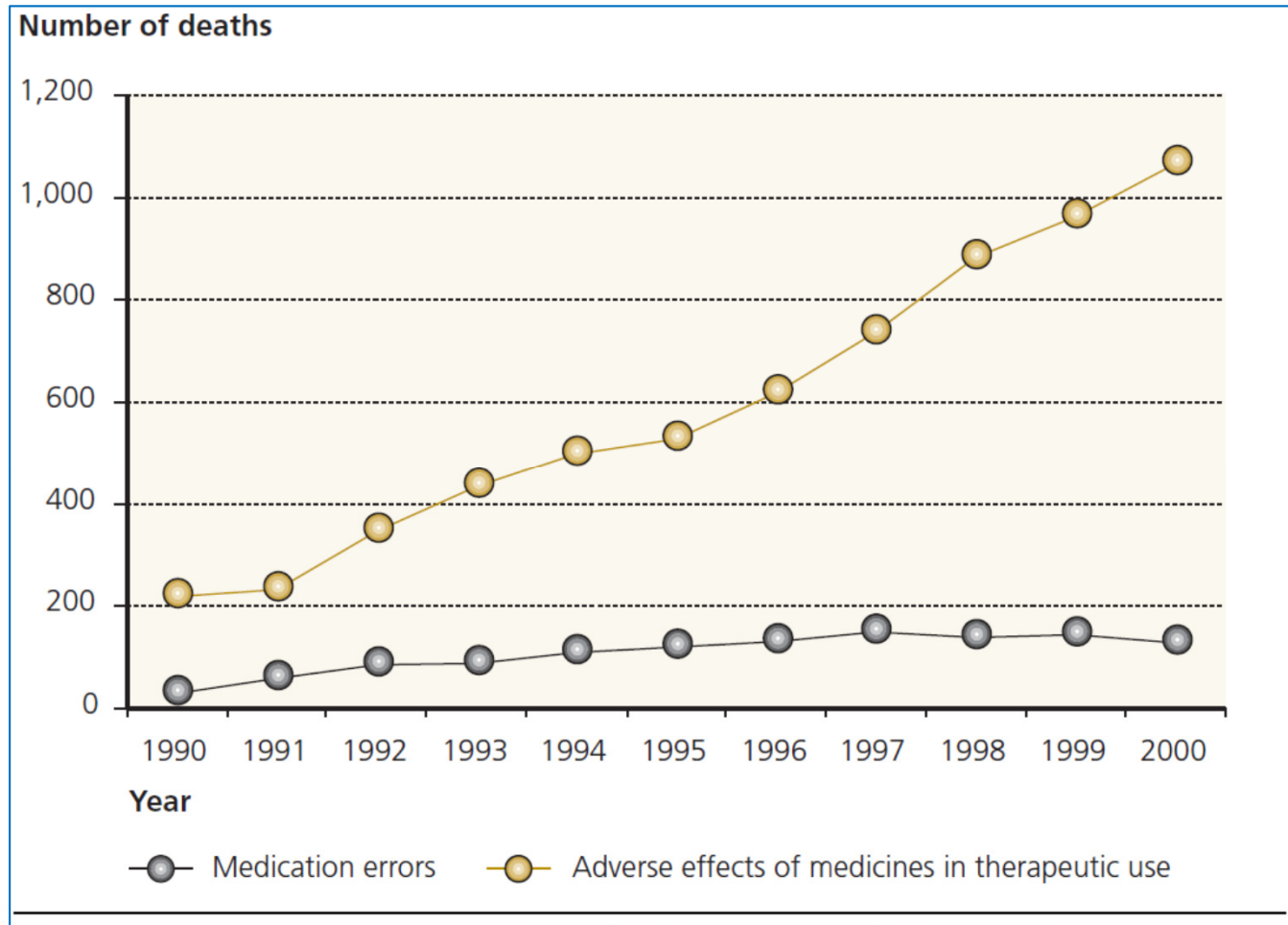
The need for Computer Physician Order Entry
Source: Prof. Christian Lovis, University Hospital Geneva, 2009
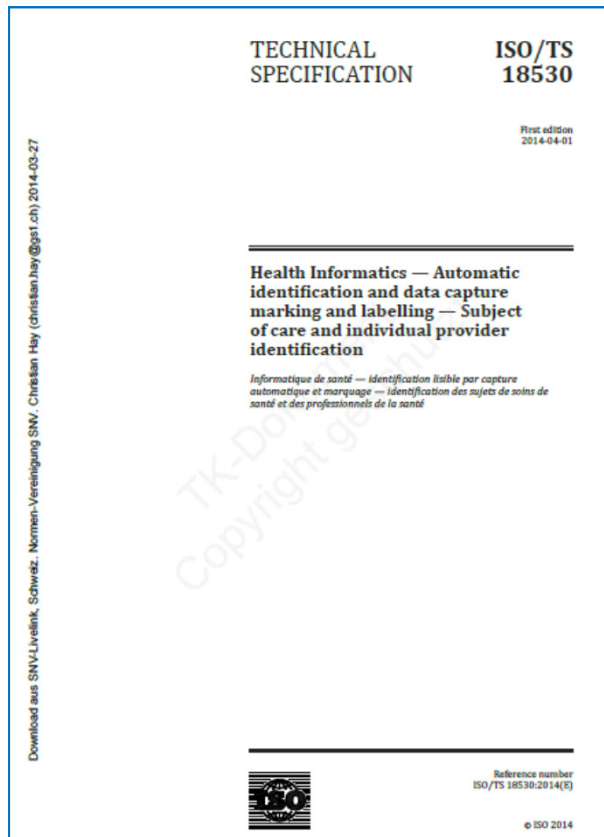
Example of provider involvement

Source: Audit commission, A Spoonful of Sugar, London 2001

Two ISO specifications published 2014

Providing an homogeneous bar code scanning environment strengthens patient safety and eliminates possible clashes

ISO TS 18530 : supported processes

Table 1 — Overview of supported processes

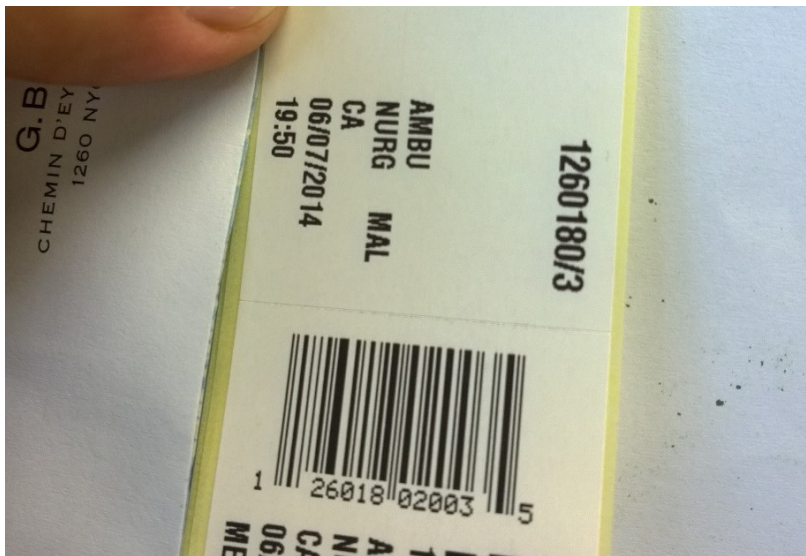| Usage Requirements	SoC identifier	SRIN	Individual Provider Identification
SoC and Individual Provider Identification as a recognized priority	X		X
Machine readable coding for clinical purpose (point of care)	X	X	X
Machine readable coding in complex point of care environments	X	X	X
Machine readable coding to avoid workarounds	X	X	X
Machine readable coding in the blood transfusion processes	X	X	X
Machine readable coding for chronic outpatient	X	X	X
Machine readable coding by integrating nationwide SoC identification	X	X	X

ISO TS 16791 : supported processes

Table 1 — Overview of normative options

Usage require-ments	Medicinal product package identifiers	Lot/batch number	Expiry date	Serial number
Traceability (5.2)	X	X	X	(X)
Measures to combat falsification of medicines (5.3)	X	(X)		X
Improving patient safety at point of care (5.4)	X	X	X	
Support of Health-care Systems (5.5)	X	X	X	X
Procurement and Stock Management (5.6)	X	X	X	

![GS1 logo] **The (goods and the) bads…**

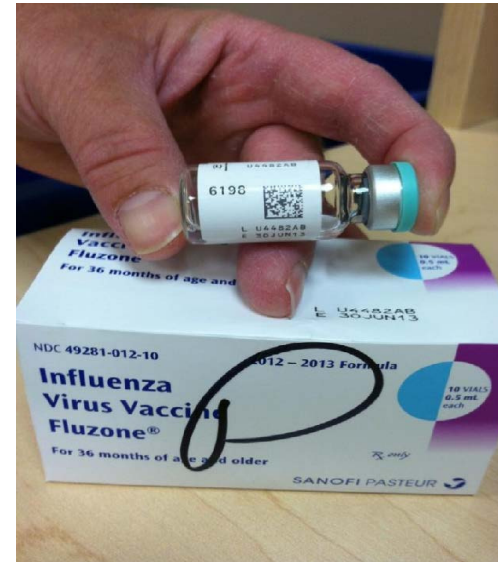Patient ID sticker,
Regional Hospital, Switzerland

Compounding,
Teaching Hospital Switzerland

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The goods (and the bads…)

Patient ID wristband,
Teaching Hospital, Switzerland

Vaccine,
US market

Contact

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