



L'Institut d'analyse stratégique et d'innovation
du Centre universitaire de santé McGill
The Institute for Strategic Analysis and Innovation
of the McGill University Health Centre

**REALIZING INFORMATION TECHNOLOGY'S
PROMISE TO IMPROVE HEALTH CARE**

3rd Annual Conference of the McGill University Health Centre's
Institute for Strategic Analysis and Innovation

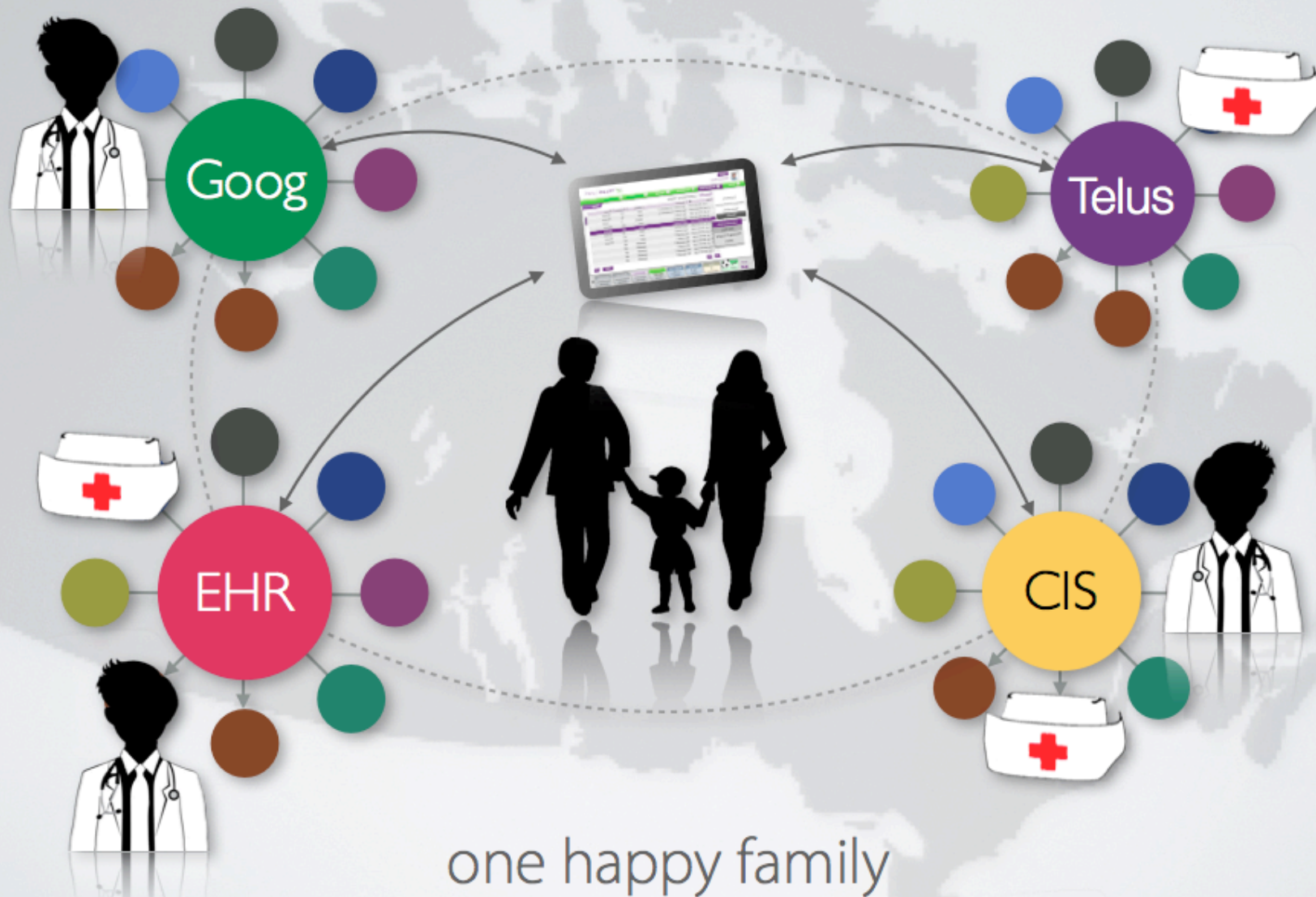
Nation-wide consumer healthcare IT: the need for a *lingua franca*

Philippe Panzini
Chief Technology Officer
medforyou/unani

October 20 and 21, 2010

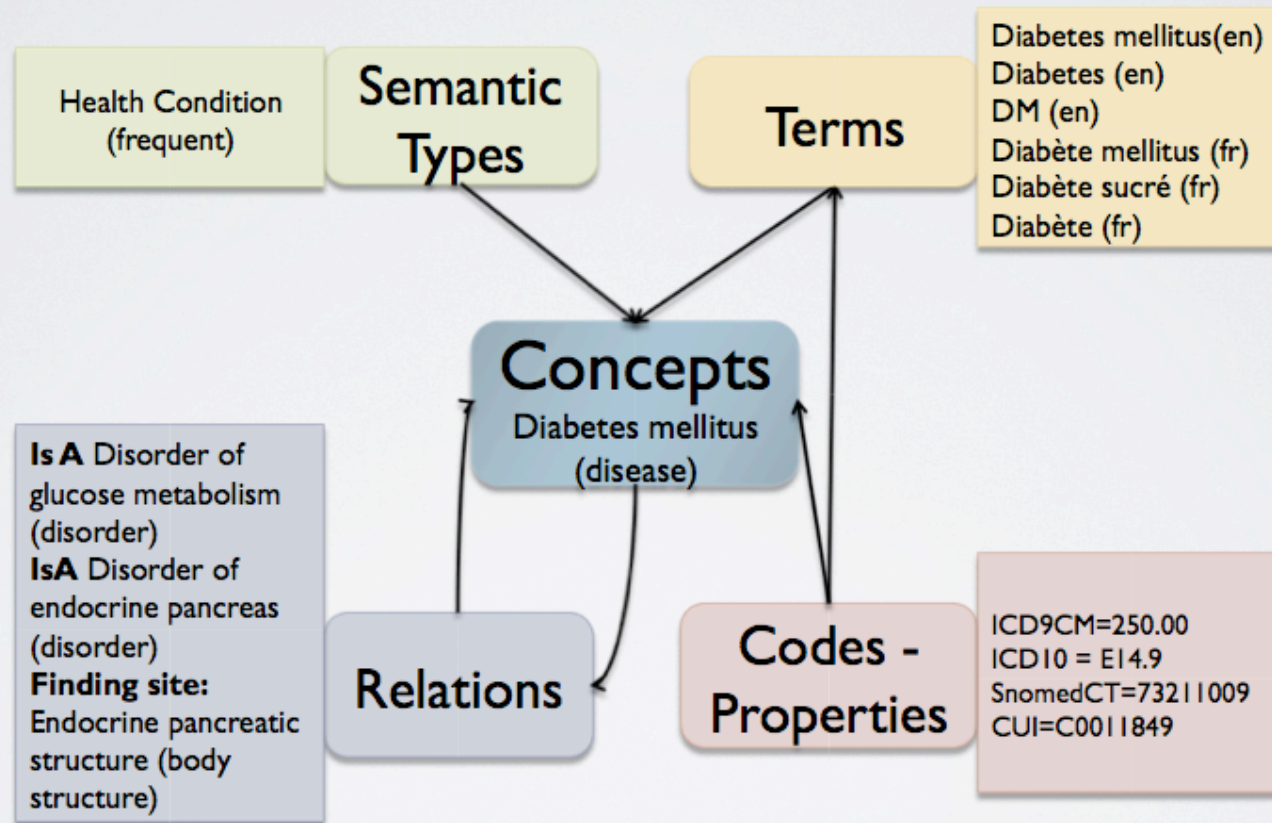
Montreal General Hospital (MUHC)

The Promise



Still a way to go

Standards are ill-understood & under-used

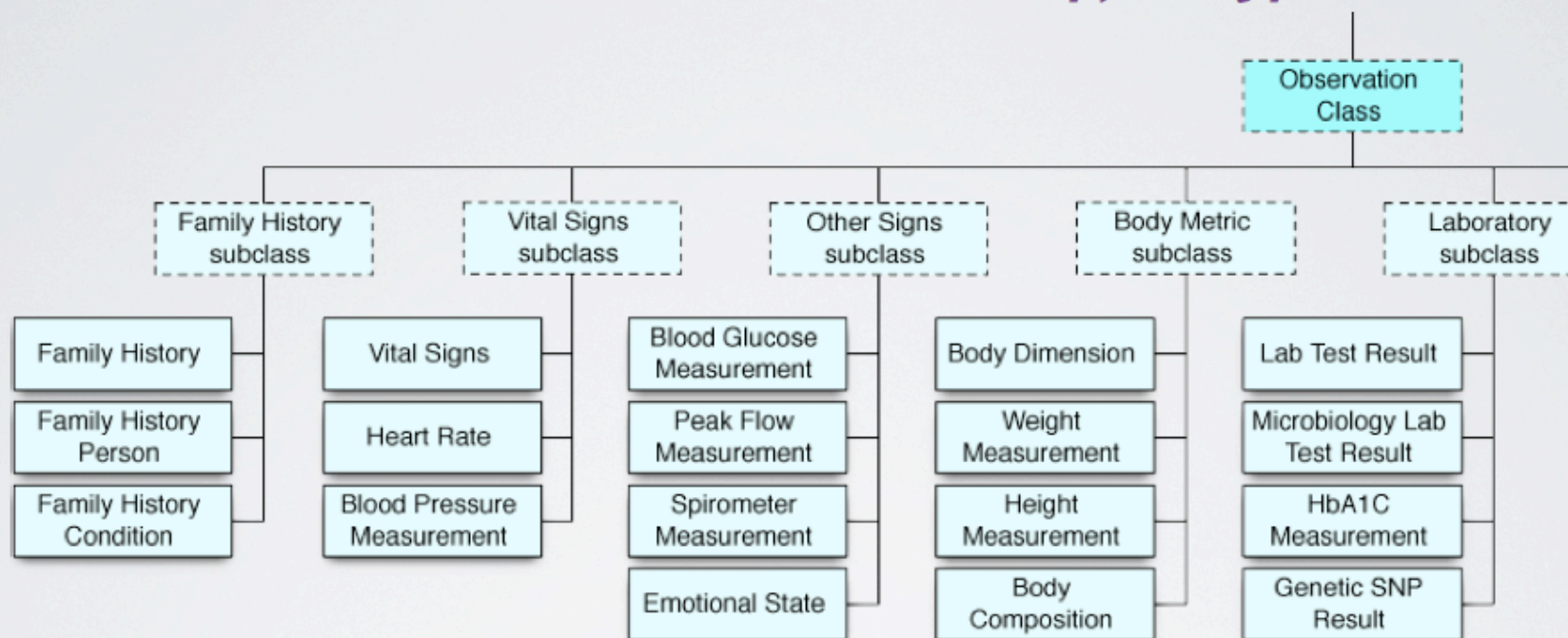


10

“*Diabetes*” isn’t the same as SNOMEDCT #73211009

Still a way to go

medical records need a typology



Blood Pressure

laparoscopy

INSURANCE NUMBER

creatinine

Discharge Letter

medication refill

Still a way to go

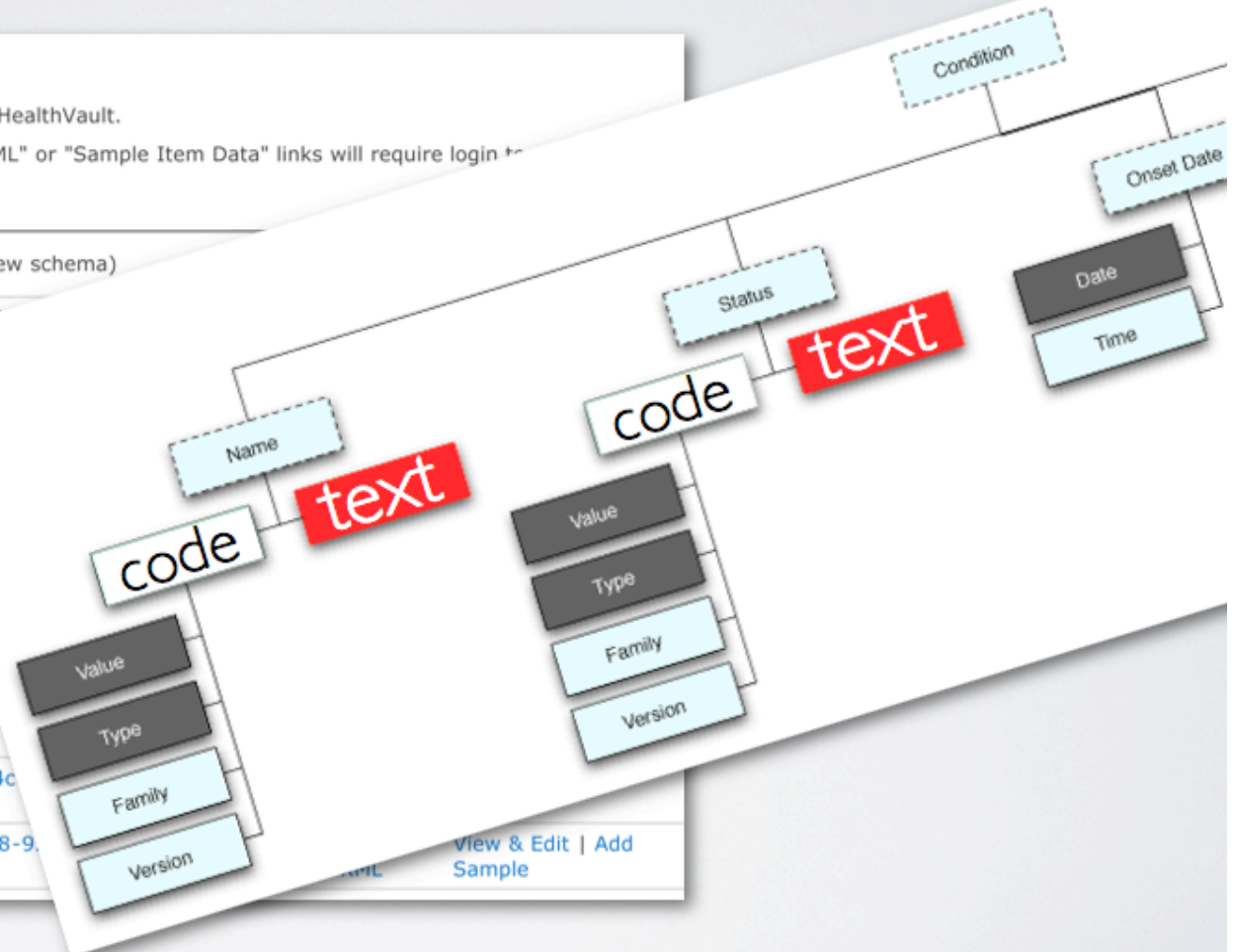
platforms are forced to accommodate legacy systems

List of all thing types

These are the thing types currently defined in Microsoft HealthVault.

Note: access to the any of the "View Things", "Verify XML" or "Sample Item Data" links will require login to HealthVault user account.

Name	Type ID (click to view schema)
Advance Directive	822a5e5a-14f1-4d4e-8f3f1b052a2e
Aerobic Exercise Session	90dbf000-da45c36a
Aerobic Profile	7b2ea78c-45396fe38b09
Allergic Episode	d65ad514-c4f3f6cb43ceb3
Allergy	52bf9104-2c5e552ebcc53df7
Application Data Reference	9ad2a94f-c6a4-475b65be0e250
Application-Specific Information	a5033c9d-08cf-426cb412ce39fc0
Appointment	4b18aeb6-5f01-444c8dbf13a2f510b
Asthma Inhaler	ff9ce191-2096-47d8-95469a9883746



a whole record can be stored as unstructured, free text

Platforms are ready

new IT technology supports standards

- State-of-the-art platforms implement both
 - Coded terminology : SNOMED CT
 - Health record typology : CCR & CCD
- Large-scale EHR initiatives are **comprehensive**, and because medicine is vast, fraught with complexity.
- PHR standards are **summary**, foundational, and inherently simple to deploy.

Consumers need

- Mobility & Independence : **Just like email**
- Vendor-Agnostic Connectivity : **No lock-in**
- Access in the language of their choice
- User-friendly experience : **Not your income tax form**
- Minimal jargon : **“Headache”** not **“Autonomic Cephalalgia”**
- Reliability, Privacy
- Data Persistence : **Medical data belongs to patients**
- Enhancement of healthcare : **not just data storage**

Canadian health policy

in need of PHR standardization

- Canada Health Infoway is an active member of the IHTSDO
- Infoway's Standards Collaborative supports :
 - EHR standards
 - HL7 Canada
 - DICOM
 - ISO TC/215
 - SNOMED CT
- Infoway actively supports EHR education & training
- **PHR initiatives need similar support from Infoway, provincial governments & regional organizations.**

A lingua franca

for Continuity of Care

- Now is the time to define and press for game rules.
- Standards are still heavily misunderstood by members of the industry.
- The promise of interoperability and consumer healthcare can only be realized if decision-makers weight in decisively on standardization.
- However sophisticated, the new platforms do not magically transform paper into gold.
- **Failing to establish policy will cost us a decade and countless dollars.**

Consumer Healthcare IT
is
a B2C ecosystem
is
Personal Health Records
is
Consumer-facing Applications
&
PHR Platforms connected to CIS & EMR
is



& other vendor-specific solutions



L'Institut d'analyse stratégique et d'innovation
du Centre universitaire de santé McGill
The Institute for Strategic Analysis and Innovation
of the McGill University Health Centre

REALIZING INFORMATION TECHNOLOGY'S PROMISE TO IMPROVE HEALTH CARE

3rd Annual Conference of the McGill University Health Centre's
Institute for Strategic Analysis and Innovation

Thank you

Philippe Panzini
Chief Technology Officer
medforyou/unani