Hospital Based Health Technology Assessment: a tool for clinical management and sustainability.

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Advancing Global Health & Health Care

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Introduction: The dilemma for hospital decision-makers

Fixed budget + competing technologies

Introduction: How to make the best decision?

Hospital based
Health Technology Assessment
(HB-HTA)

doctors

National/International Documents (i.e.Health Technology Assessment)

Companies

Introduction: What does HB-HTA means?

Hospital-based Health Technology Assessment (HB-HTA) means performing HTA activities tailored to the **hospital context** for managerial decisions.

It includes the processes and methods used to produce HTA reports in and for hospitals.

Definition developed by the partners of AdHopHTA

AdHopHTA
Adopting Hospital Based Health Technology Assessment

Experience from two HB-HTA models

Hospital Clinic Provincial Barcelona

- ✓ High Tech University Hospital
- ✓ Beds: 600
- ✓ Professionals: 4 000 (600 physicians)
- ✓ Budget: € 460 million
- ✓ Organization: 9 Clinical Institutes + 2 Trans

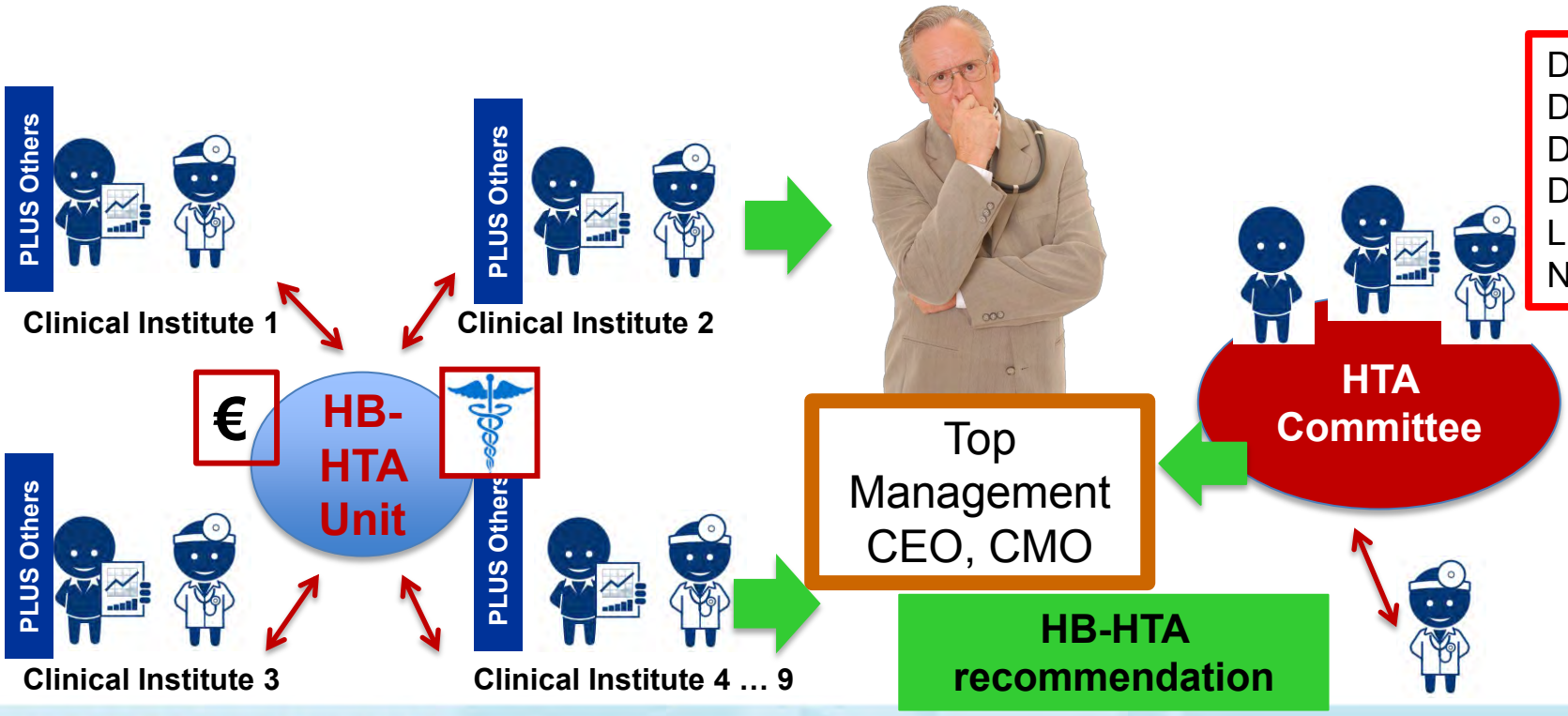
Parc Sanitaria St Joan de Dèu General Hospital

- ✓ Community Hospital (teaching)
- ✓ Beds: 292
- ✓ Professionals: 800 (150 physicians)
- ✓ Budget: € 47 million
- ✓ Organization: standard

Experiences:
HTA organization

CLÍNIC BARCELONA Hospital Universitari

Parc Sanitari Sant Joan de Déu



Experiences:
HTA Tools and Methods

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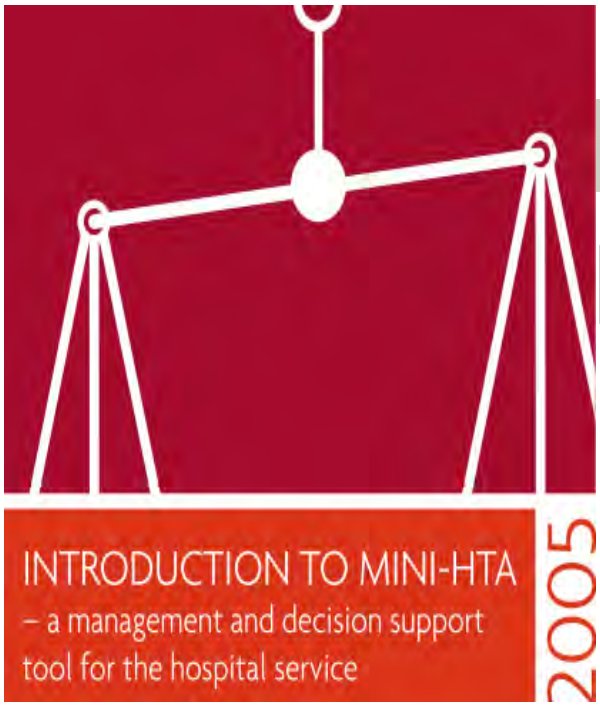

Questions 1 - 3: Introduction

Questions 4 -12: Technology

Questions 13 -14: Patient

Questions 15 -20: Organisation

Questions 21 - 26: Economy

Methods

- Review Scientific Evidence
- Analysis of Hospital Data
- Economic Evaluation:
  - Cost-effectiveness
  - Cost-Utility
  - Cost-minimization
  - Cost analysis
  - Budget Impact Analysis
- Qualitative research

Experiences:
Examples of Health Technologies Assessed

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Health Technology Assessed
Capital Medical Equipment: • Robot Da Vinci (prostate) • LIAC for IORT (breast cancer)
Medium size Medical Devices: • Left ventricular assistive device (heart) • Autologous platelet gel (TKR)
Small size Medical devices: • Re-usable electrosurgical device for bipolar vessel sealing
Diagnostic tests: • Point of Care Test for Flu diagnosis

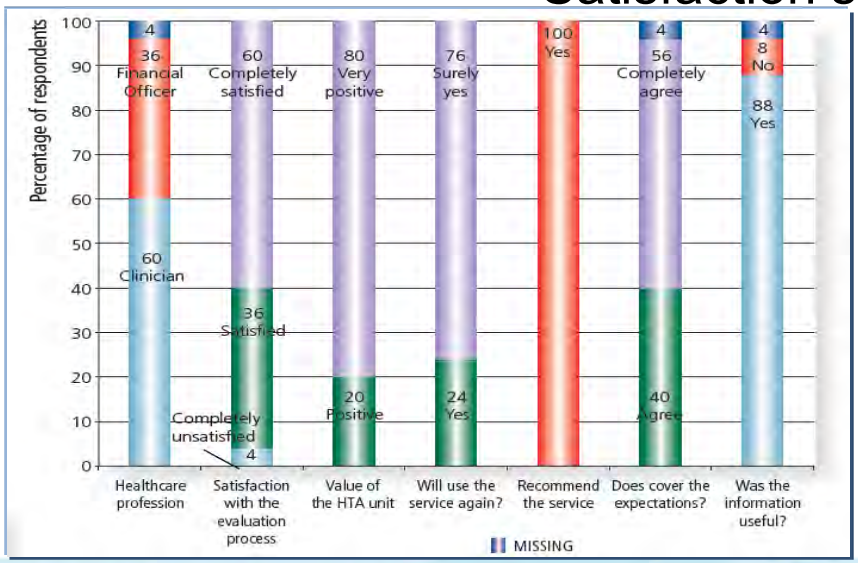
Health Technology Assessed
Botulinum Toxin (Dupuytrendisease)
Sterilization bell (Pharmacy)
VHIT (vertigo syndrome)
Negative Pressure Wound Therapy

Experiences: HB-HTA Impact

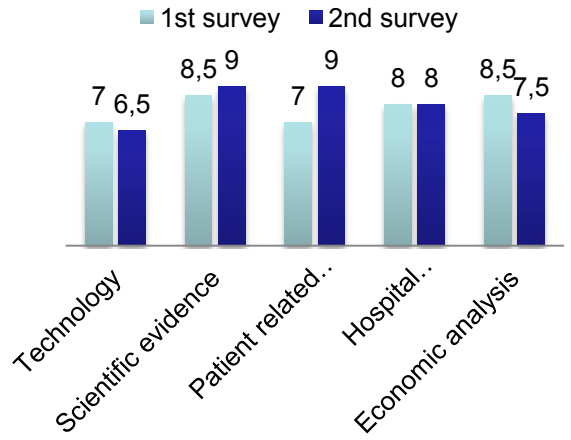
Net Present Value (N=23 HTs):

- € 4 100 000 savings
- € 13 600 000 avoided waste

Satisfaction survey



Before-After Study



- High Satisfaction Reported by Clinicians (informal communication)

Setting up International Standards: AdHopHTA

Body of Knowledge

Handbook

Networking HB-HTA

Toolkit

Database HB-HTA Reports

This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 305018

Setting up International Standards: AdHopHTA

7 Hospitals

- Hospital CLINIC de Barcelona (ES) - coordinator
- A. Gemelli University Hospital (IT)
- Odense University Hospital (DK)
- Centre Hospitalier Universitaire Vaudois (HE)
- Hospital District of Helsinki and Uusimaa (FI)
- Tartu University Hospital (EE)
- Ankara Numune Training and Research Hospital (TU)

2 HTA Agencies

- Ludwig Boltzmann Institute for HTA (AT)
- Norwegian Knowledge Centre for the Health Services (NO)

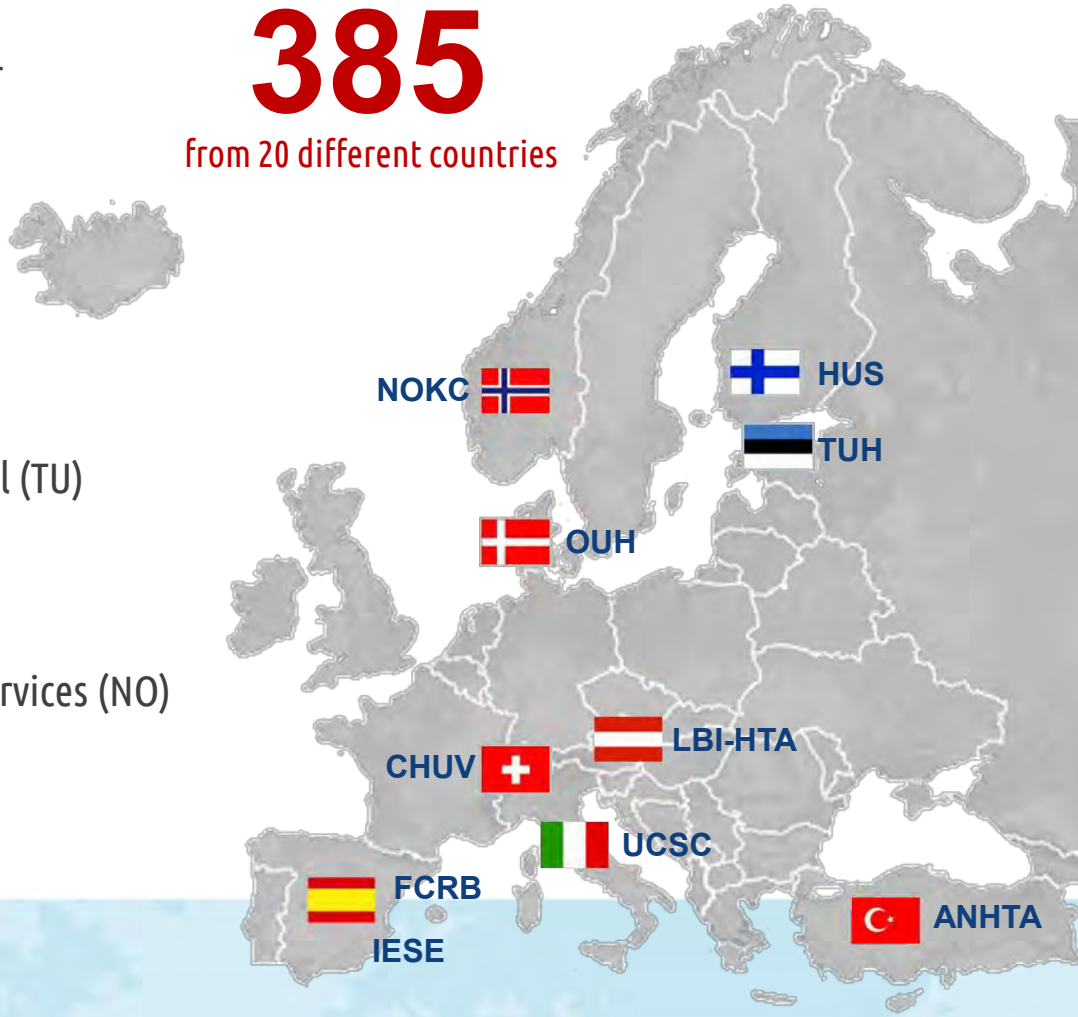
1 Business school

- IESE Business School (ES)

Participants

385

from 20 different countries



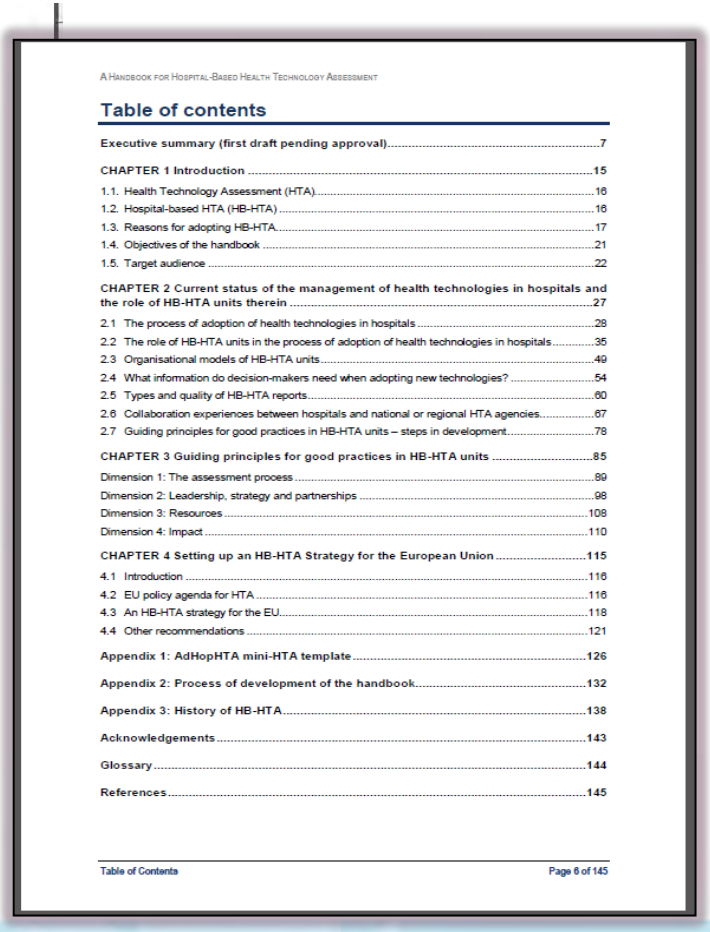
Setting up International Standards: AdHopHTA Handbook

THE AdHopHTA HANDBOOK

A HANDBOOK OF HOSPITAL-BASED HEALTH TECHNOLOGY ASSESSMENT

Information and knowledge for decision-making on managing technology at hospital level through the use of hospital-based Health Technology Assessment

AdHopHTA
Adopting Hospital Based Health Technology Assessment



A Handbook for Hospital-Based Health Technology Assessment

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Core guiding principles

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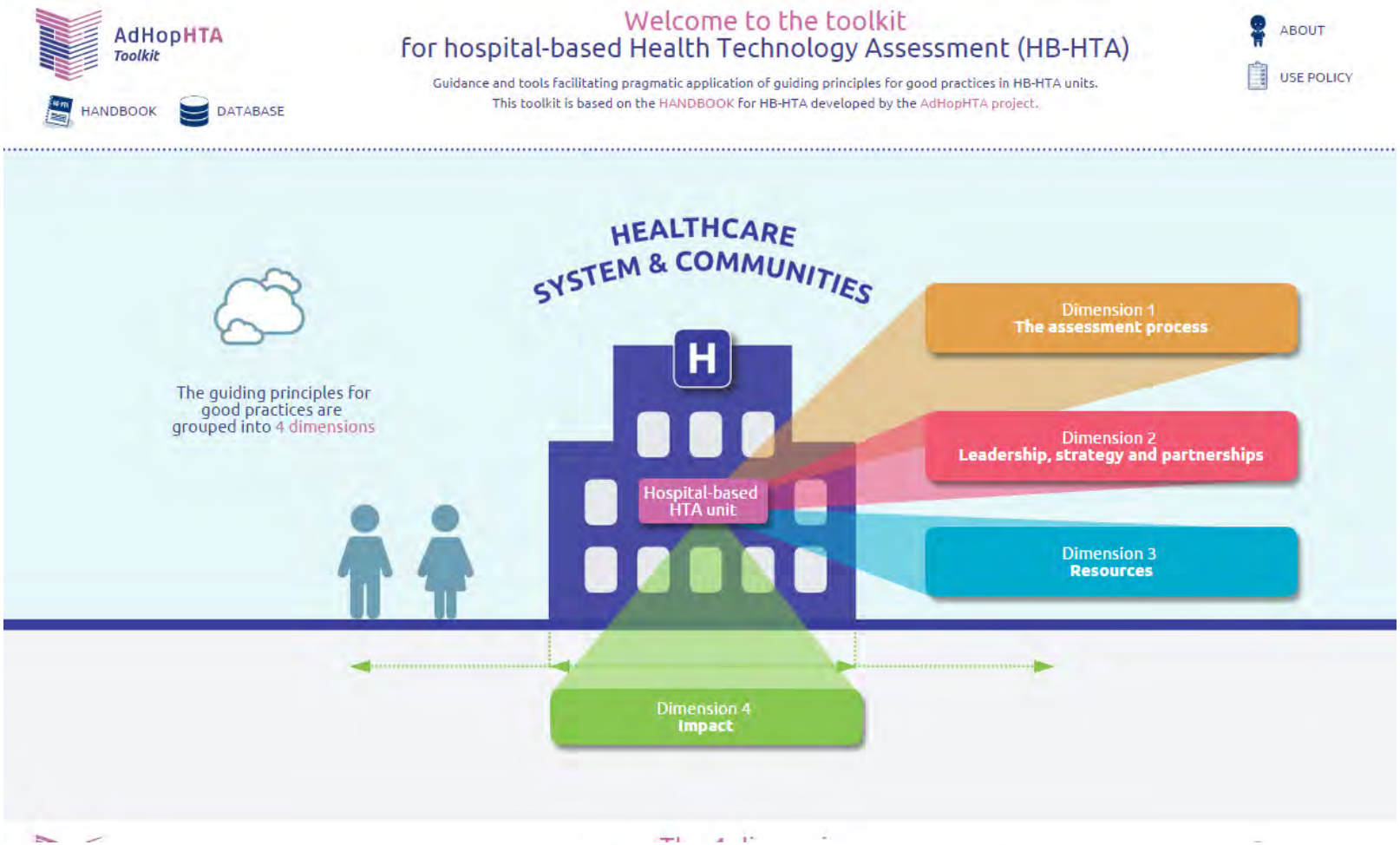
Setting up International Standards: AdHopHTA Toolkit



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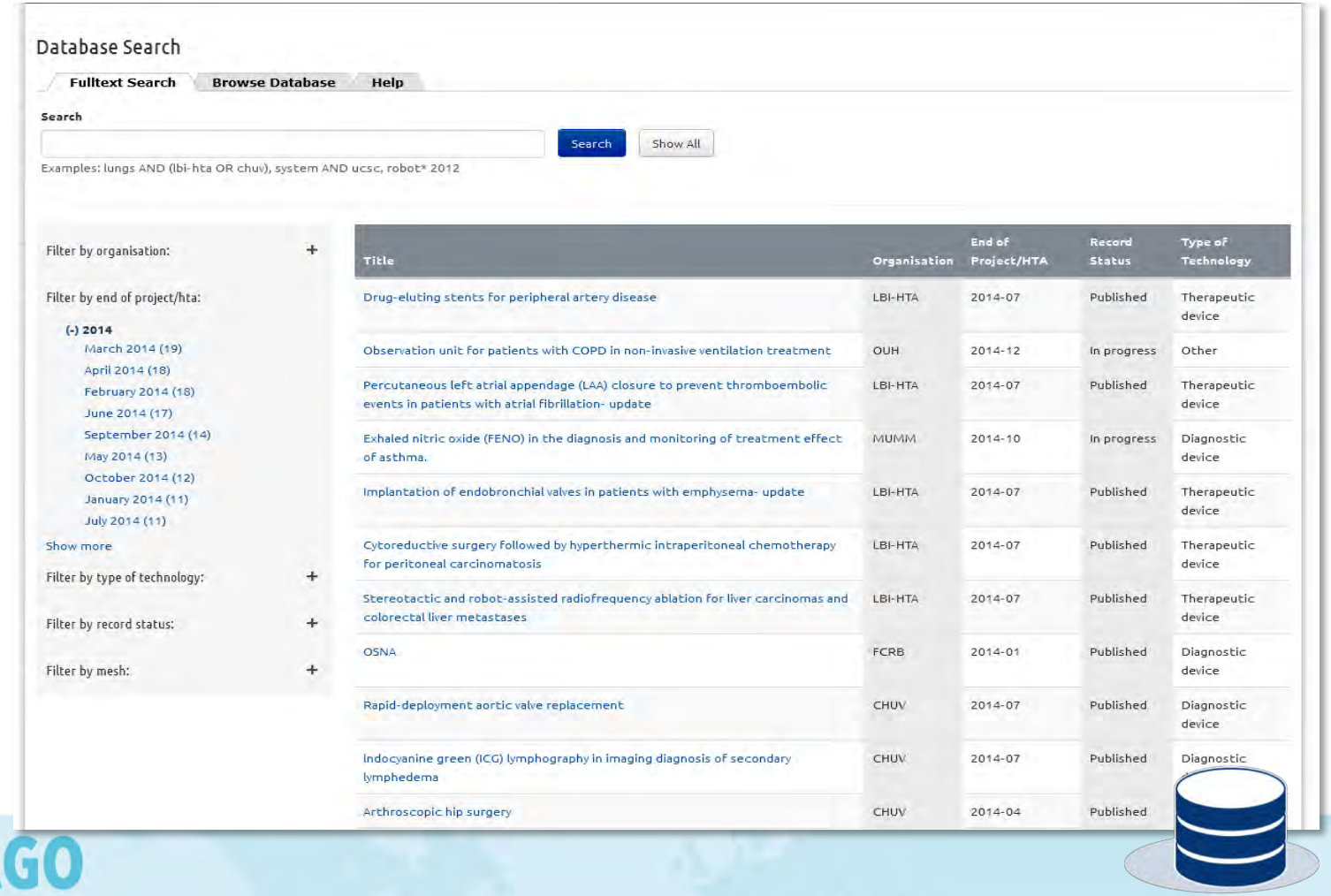
Setting up International Standards: AdHopHTA Database

219

Entries HB-HTA reports



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4 Facts from Experience for Promoting HB-HTA in Hospitals

✓ HB-HTA separates the wheat from the chaff in new technologies based on scientific knowledge and hospital information

✓ HB-HTA allows you to make better informed investment decisions

✓ HB-HTA answer the questions relevant for an individual hospital's HT decisions

✓HB-HTA underpins better investment decisions that improve quality of care and save money to hospitals

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THANK YOU! / GRACIES!

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