

The Liquid Hospital

A case study on using digital technologies
for the empowerment of the patients



Advancing Global
Health & Health Care

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Children's Hospital
Director E-Health

2015 IHFCHICAGO
39th World Hospital Congress

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- 2 HSJD Strategy
- 3 Final thoughts

Top children's hospital in Europe

Sant Joan de Déu

KAROLINSKA

University Hospital

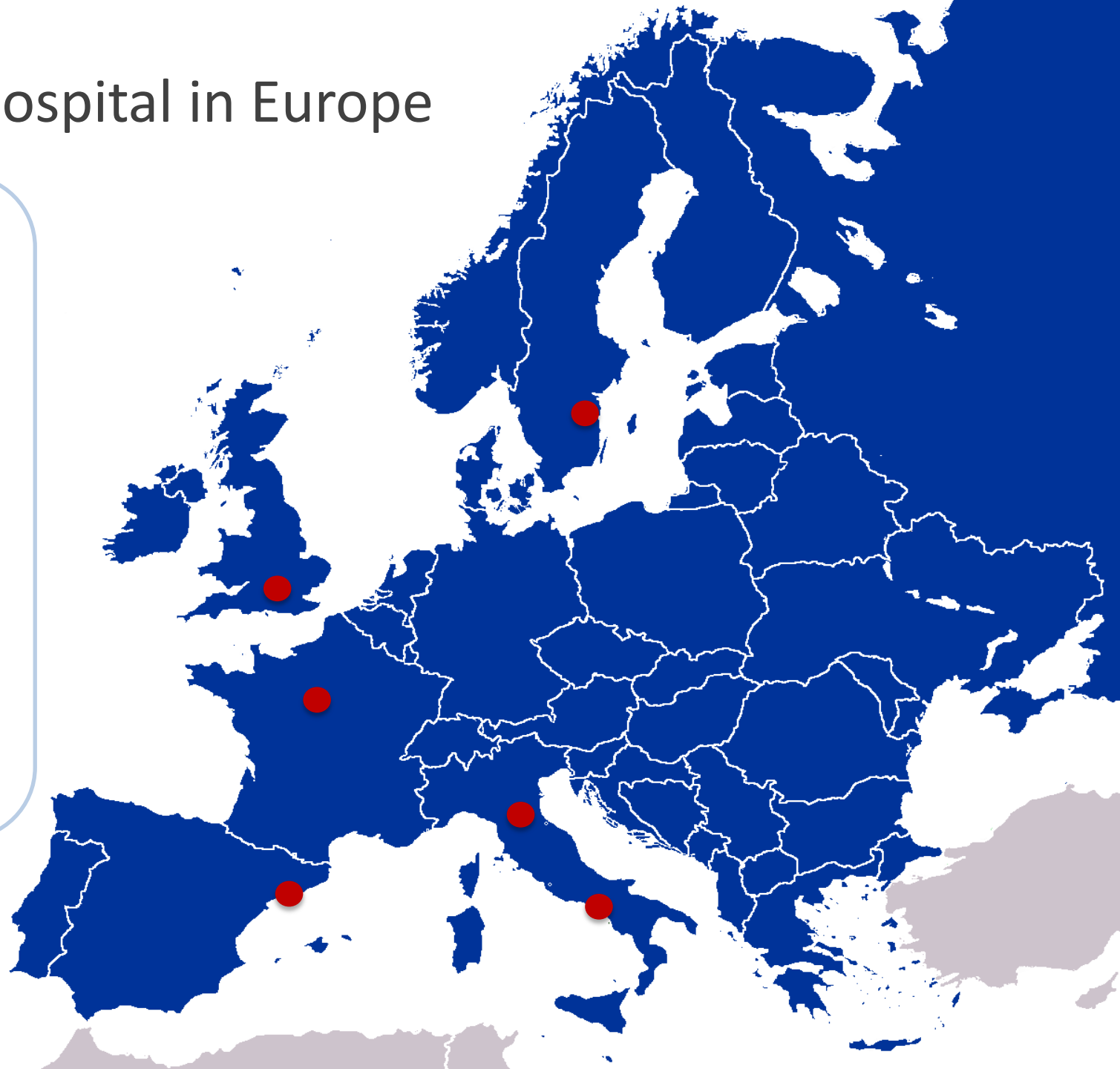
Hôpital Universitaire
Necker-Enfants malades

Great Ormond Street **NHS**
Hospital for Children

MEYER Ospedale dei Bambini a Firenze



Bambino Gesù
OSPEDALE PEDIATRICO



- 1 Hospital Sant Joan de Déu
- 2 **HSJD Strategy**
- 3 Final thoughts

The Liquid Hospital: beyond the hospital buildings



Smartphone



Medical devices



Email



The Liquid Hospital



Mobile devices



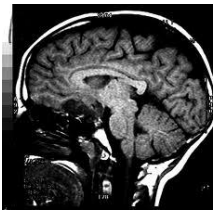
Health 2.0



Telephone



Telemedicine



A

E-HEALTH

ONLINE CARE

- Consulta *online*
- Tele-consulta
- Tele-rehabilitación
- Tele-monitorización
- Segunda opinión

TELEMEDICINE

- Servicios
- ReToc (RetCam)

B

SOCIAL MEDIA

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C

ONLINE COMMUNITIES



metabólica *guía*



D

LEARNING

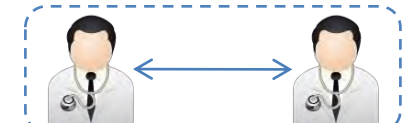
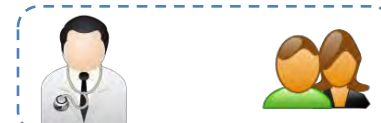
E-LEARNING



Webcasting



SHARED WORK SPACES



1. Patient Portal

Portal del Pacient

Sant Joan de Déu
HOSPITAL MATERNOINFANTIL - UNIVERSITAT DE BARCELONA

CAT ES

La teva informació clínica des de casa

Un servei digital creat per afavorir la comunicació a distància entre professionals i pacients amb història clínica oberta i activa a l'hospital.

- Consulta d'informes clínics**
Sense esperes ni desplaçaments
- Comunicació amb els professionals sanitaris**
De forma segura
- Informació de salut**
Recomanada pels teus professionals

Accedeix al teu portal

Usuari

Contrasenya

Entrar [Has oblidat la contrasenya?](#)

Com sol·licitar usuari i contrasenya d'accés per primera vegada?

Necessites ajuda?

- [Guia d'usuari](#)
- [Telèfon de suport tècnic](#)
932 850 809
De dilluns a divendres de 9 a 14h i de 16 a 19h
- [Condicions d'ús i preguntes freqüents](#)
- [Envia la teva incidència](#)

[Com arribar](#) | [Contacte](#) | [Noves consultes i urgències](#)
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Núm. RNF: T31-070100-2005-134

2. Telemonitoring - Diabetes



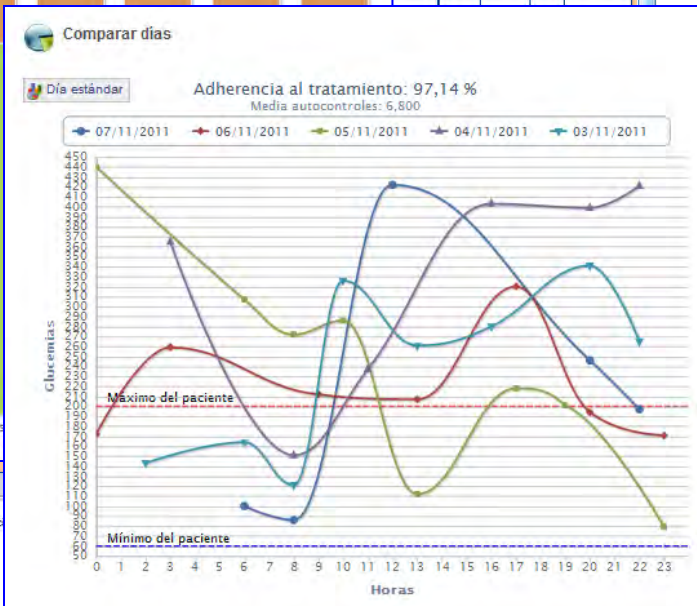
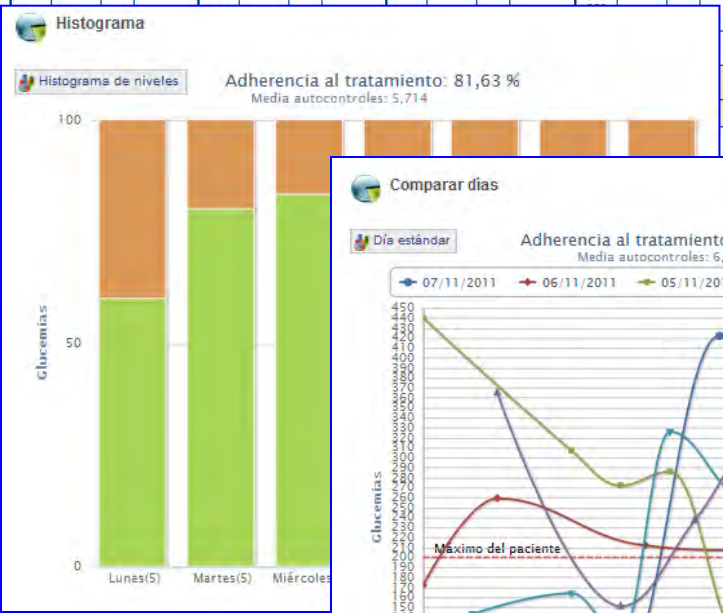
Patient



HCP

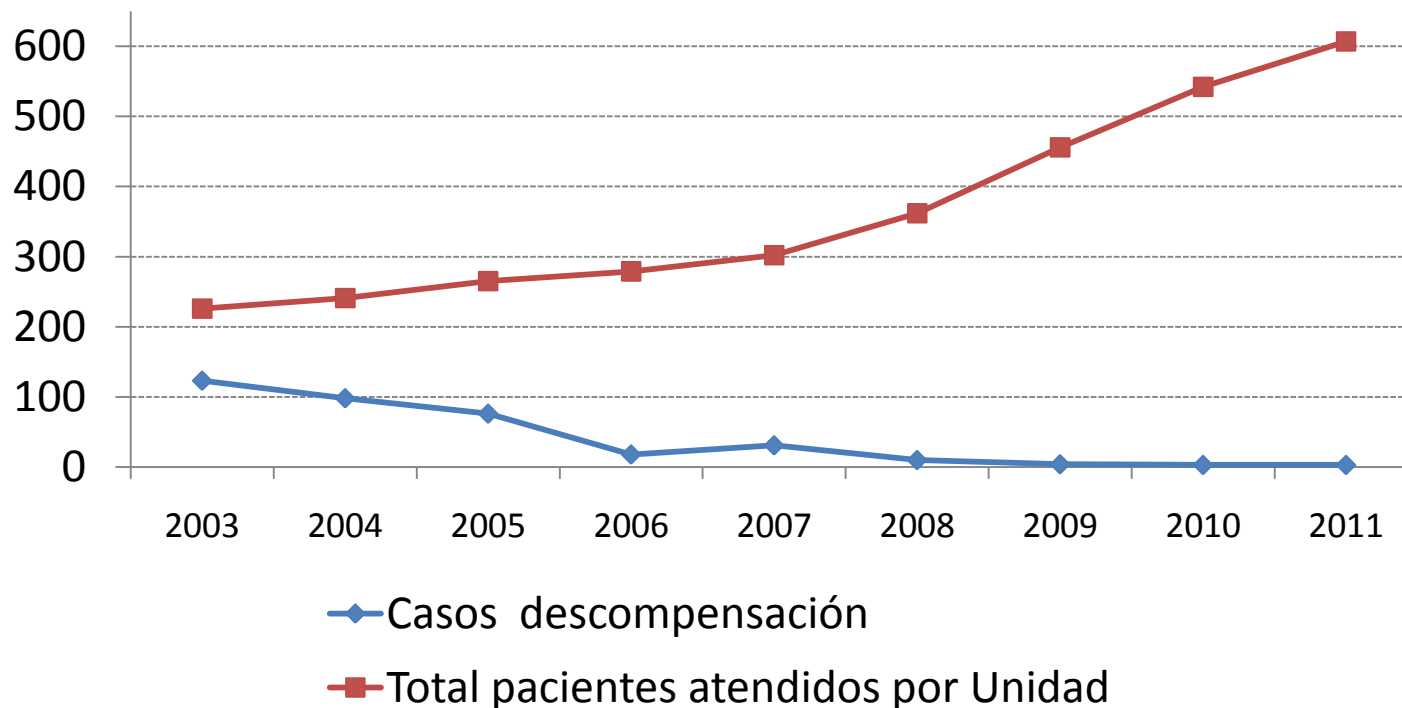
Fecha Pauta: 16/12/2011 Ver pauta completa Historico pautas

Franja horaria	Lunes 24/01/2011				Martes 25/01/2011				Miércoles 26/01/2011				Jueves 27/01/2011				Viernes 28/01/2011				Sábado 29/01/2011				Domingo 30/01/2011			
	G	I	HC	Notas	G	I	HC	Notas	G	I	HC	Notas	G	I	HC	Notas	G	I	HC	Notas	G	I	HC	Notas	G	I	HC	Notas
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06-07																												
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16-17																												
17-18																												
18-19																												
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21-22								201																				
22-23								201																				
23-24								84																				
								84																				



2. Telemonitoring - Diabetes

Day Care - Diabetes (2003-11)



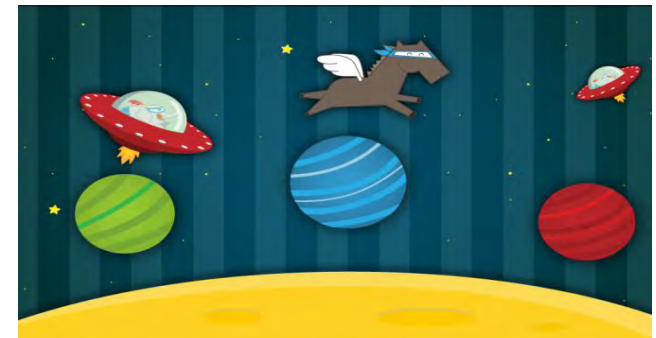
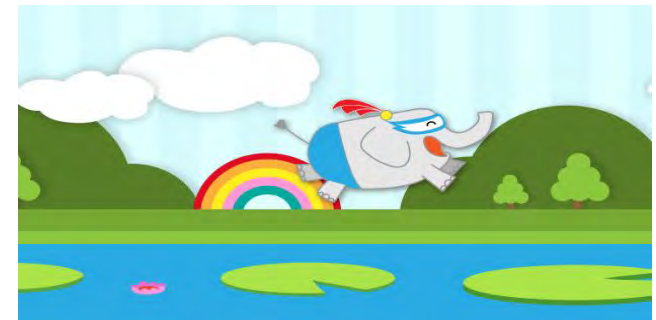
3/week

Cases of decompensation

3/year

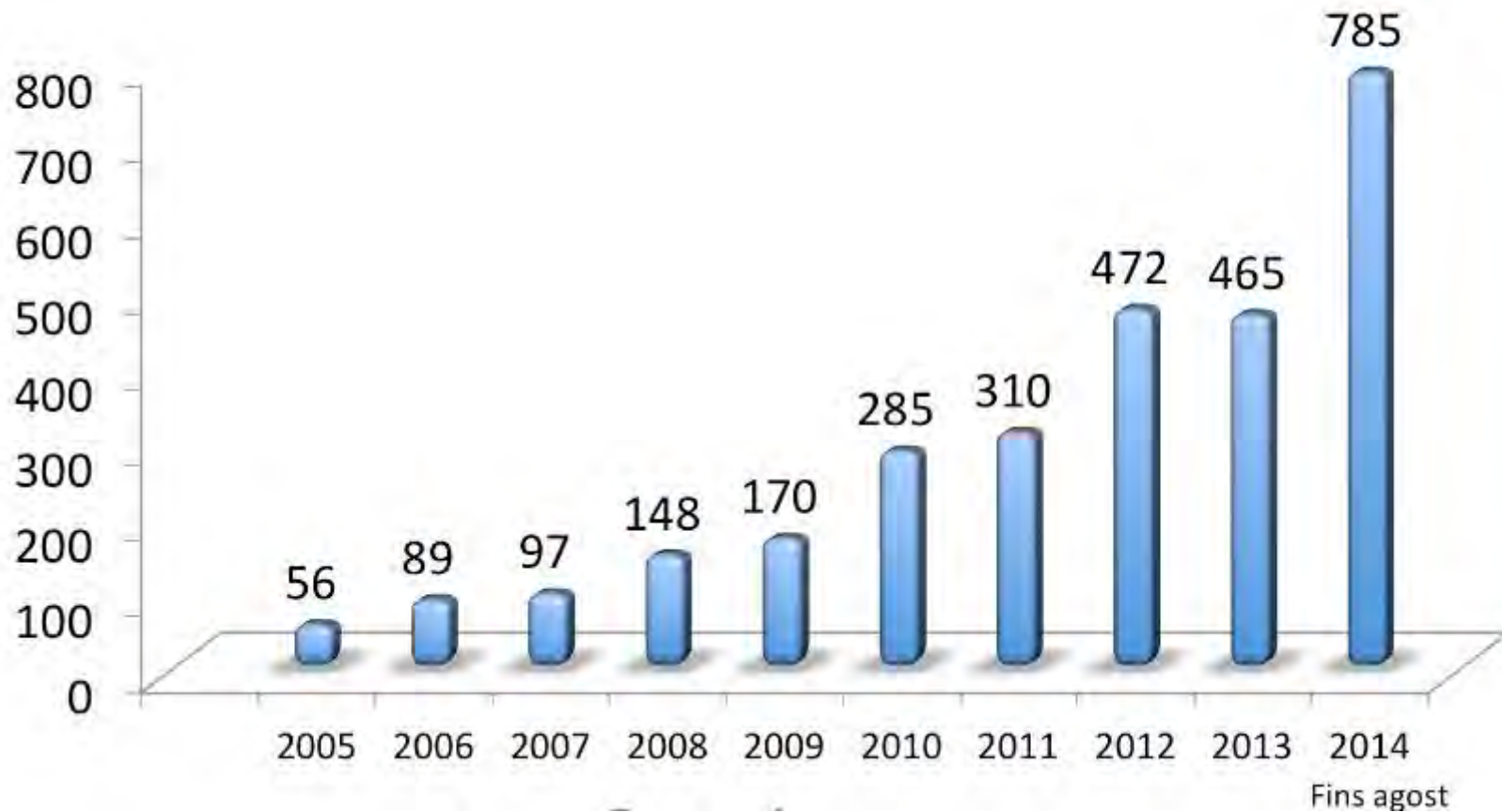
3. Telerehabilitation : Respiratory

El juego como instrumento de la rehabilitación respiratoria domiciliaria



4. Telemedicine

Telemedicine - Connections (2005-14)



+30 HOSPITALS IN: Catalunya, Spain, Latinamerica, Middle East

5a. Apps – iPediatic



5b. Apps – Training Karyotypes



Learn

TRAINING KARYOTYPES is an app aimed at the Life Sciences professional and student who wish to improve their knowledge in cytogenetics in order to perform karyotypes and define the karyotype constitution.

TRAINING KARYOTYPES offers a unique learning environment to perform karyotypes using authentic human chromosomes. Users can identify the chromosomal abnormalities and write the chromosome constitution. You can work at any time and place.

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metabólica *guía*



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Webcasting



SHARED WORK SPACES



6. A digital day at HSJD





OUR REACH IS MULTIPLIED BY 100x

1.264 clinic visits per day
≈ 2.500 people per day

131.399 touch points per day

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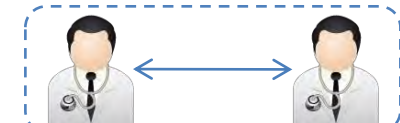
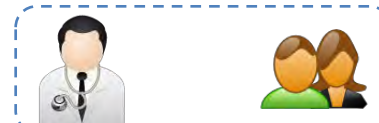
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Webcasting



SHARED WORK SPACES



7. FAROS



3.915.000

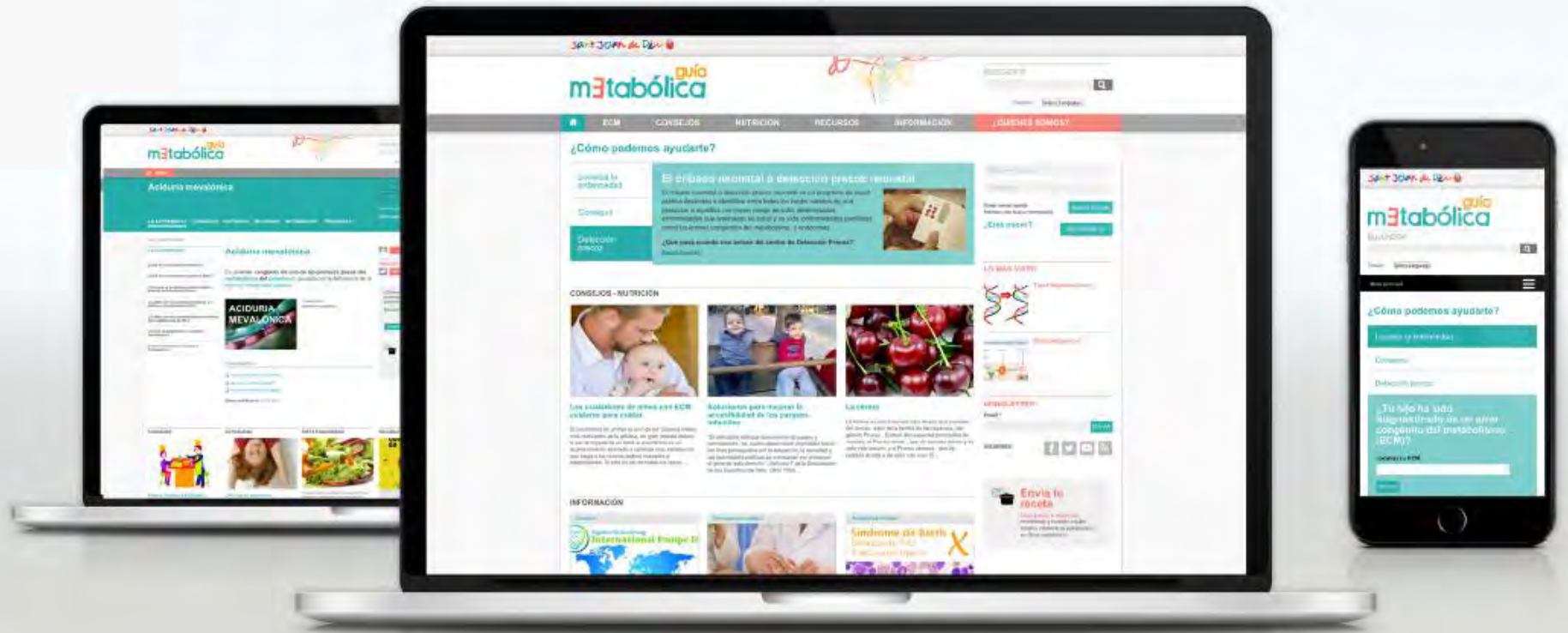
Visits / year

94.500

Unique visitors / month

8. Guía Metabólica

Portal de patients



URL
www.guiametabolica.org

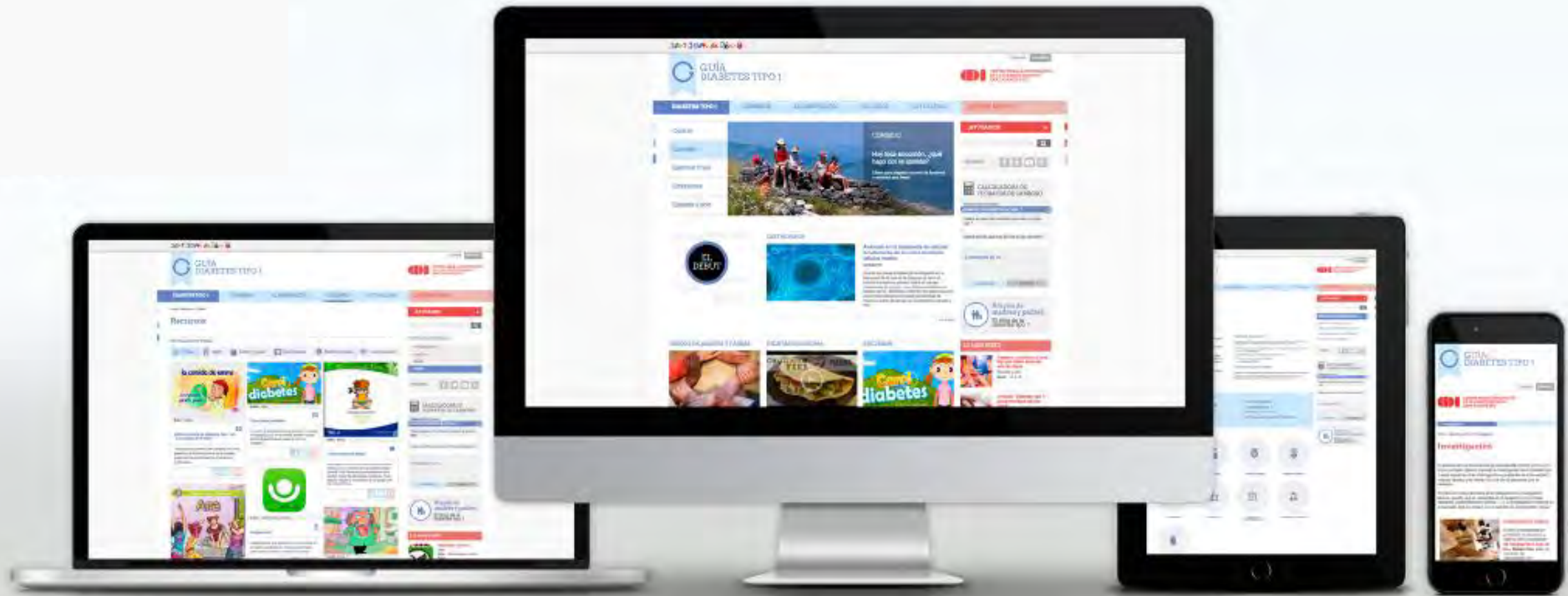
2.665.000

Visits / year

90.000

Unique visitors / month

9. CIDI – Guía Diabetes



URL
www.diabetes-cidi.org

800.000

Visits / year

15.000

Unique visitors / month

10. Rare Commons

Comunitat de pacients / investigació



URL
www.rarecommons.org

140.000

Visits / year

108

Patients with RD

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CONSUMER GOODS

5 MIN

12 MIN

HEALTHCARE

30
MIN

10 MIN

***“Much of what I do as a physician
could be better done by either
machines, or patients
themselves”***

Dan Hoch, neurólogo Mass General

Jorge Juan Fernández

@jorgejuan



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LIQUIDO COMO EL AGUA, nuestro concepto de hospital donde la información fluye gracias al uso de las nuevas tecnologías

QUÉ ESTAMOS HACIENDO PARA LOS PACIENTES...



NUEVO CONCEPTO DE 'SALUD'



PARA LOS PROFESIONALES...



...PARA LA SOCIEDAD



QUÉ NOS APORTA A los pacientes



A los profesionales



A la Institución

