



HL7 Spain

2011 Report (updated)

Working Group Meeting
San Antonio, TX January 15-20, 2012

Summary



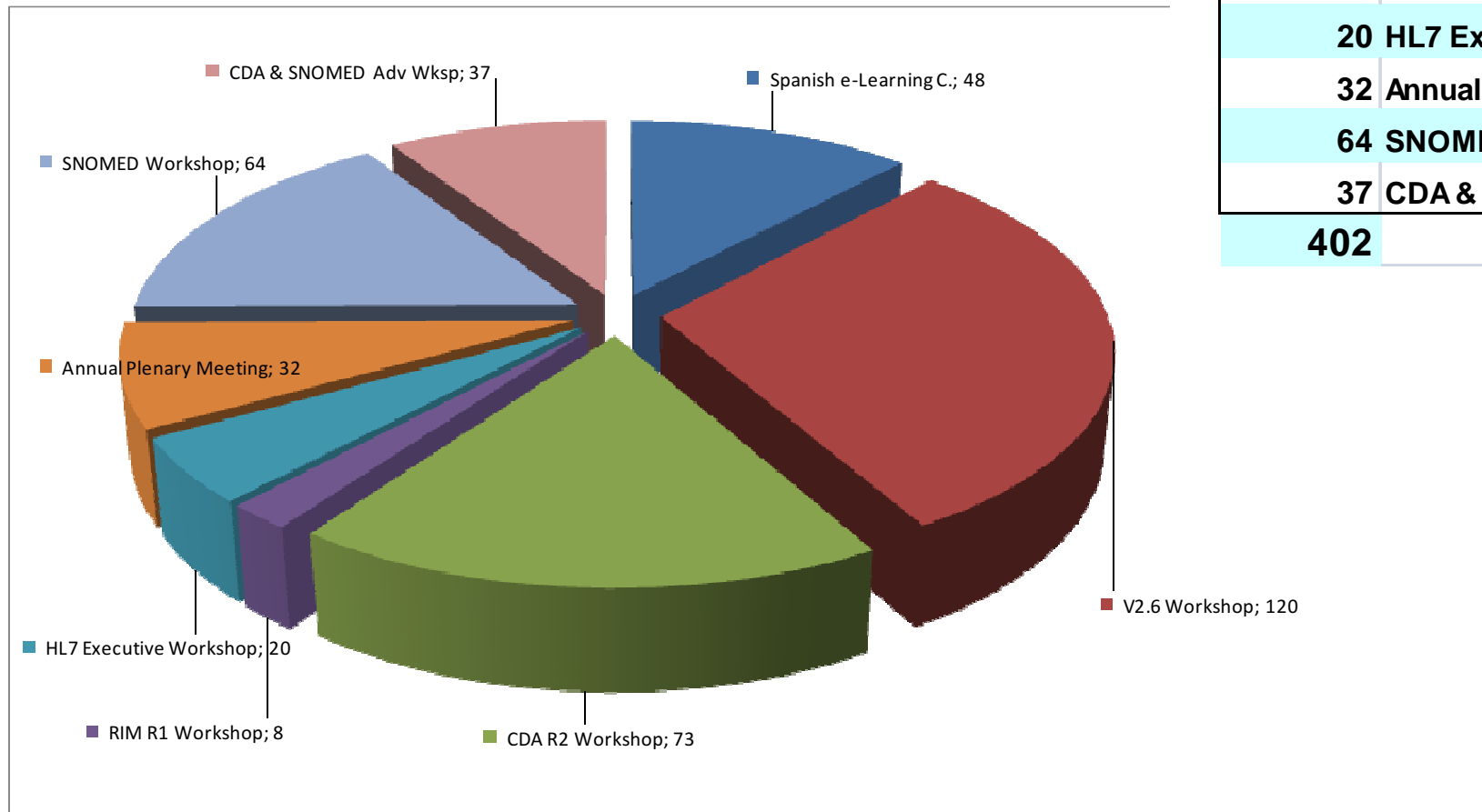
HL7 SPAIN Activities & Outcome

HL7 SPAIN 2011				52	Events			
Training Program				402	Attendants			
Certification Exams				164	Attendants			
Outcome		84%		137	HL7 Certified Professionals			
Since 2005				350	HL7 Certified Professionals			

Summary



HL7 SPAIN TRAINING PROGRAM



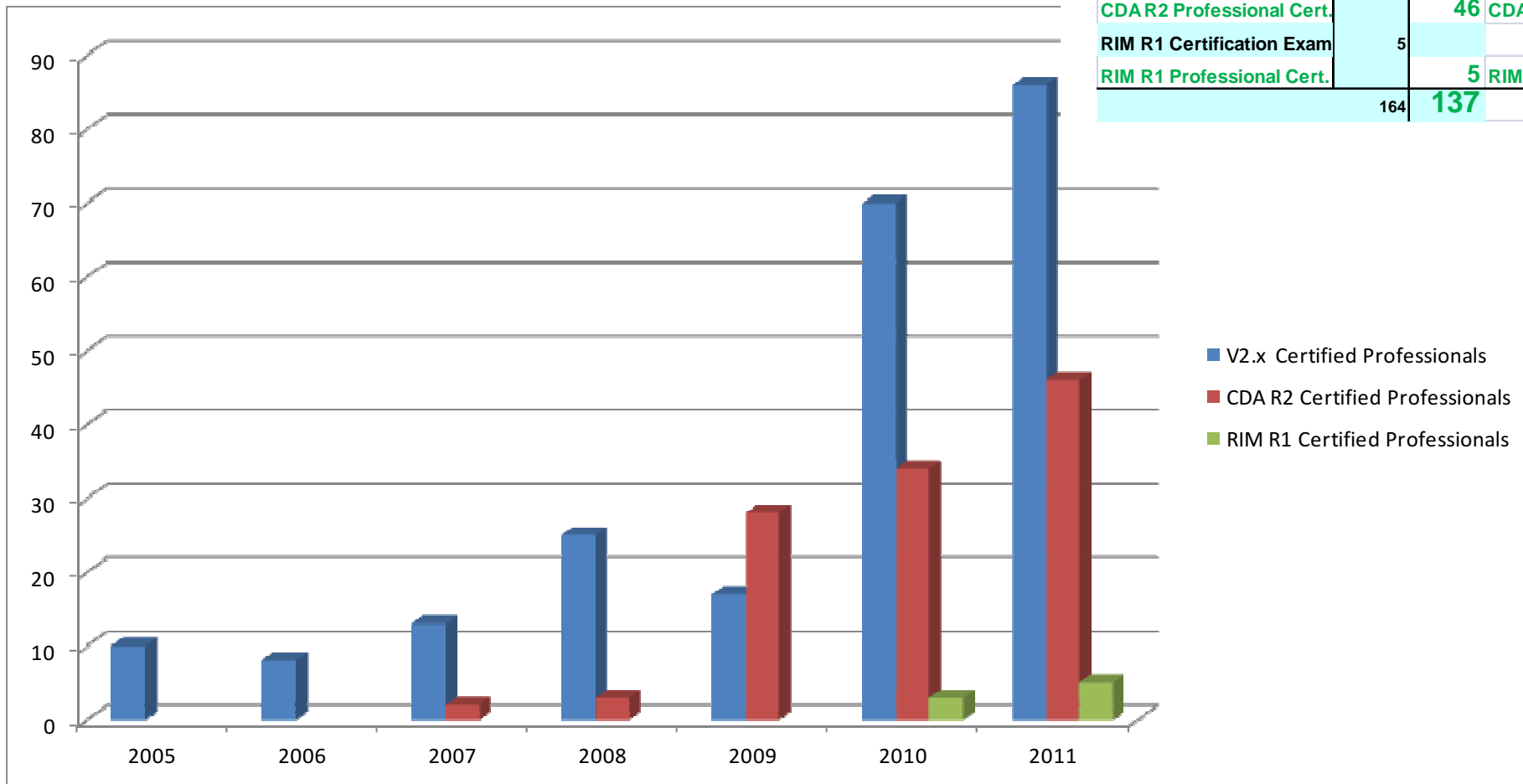
48	Spanish e-Learning C.		
120	V2.6 Workshop		
73	CDA R2 Workshop		
8	RIM R1 Workshop		
20	HL7 Executive Workshop		
32	Annual Plenary Meeting		
64	SNOMED Workshop		
37	CDA & SNOMED Adv Wksp		
402			

Summary



HL7 SPAIN CERTIFICATION EXAMS

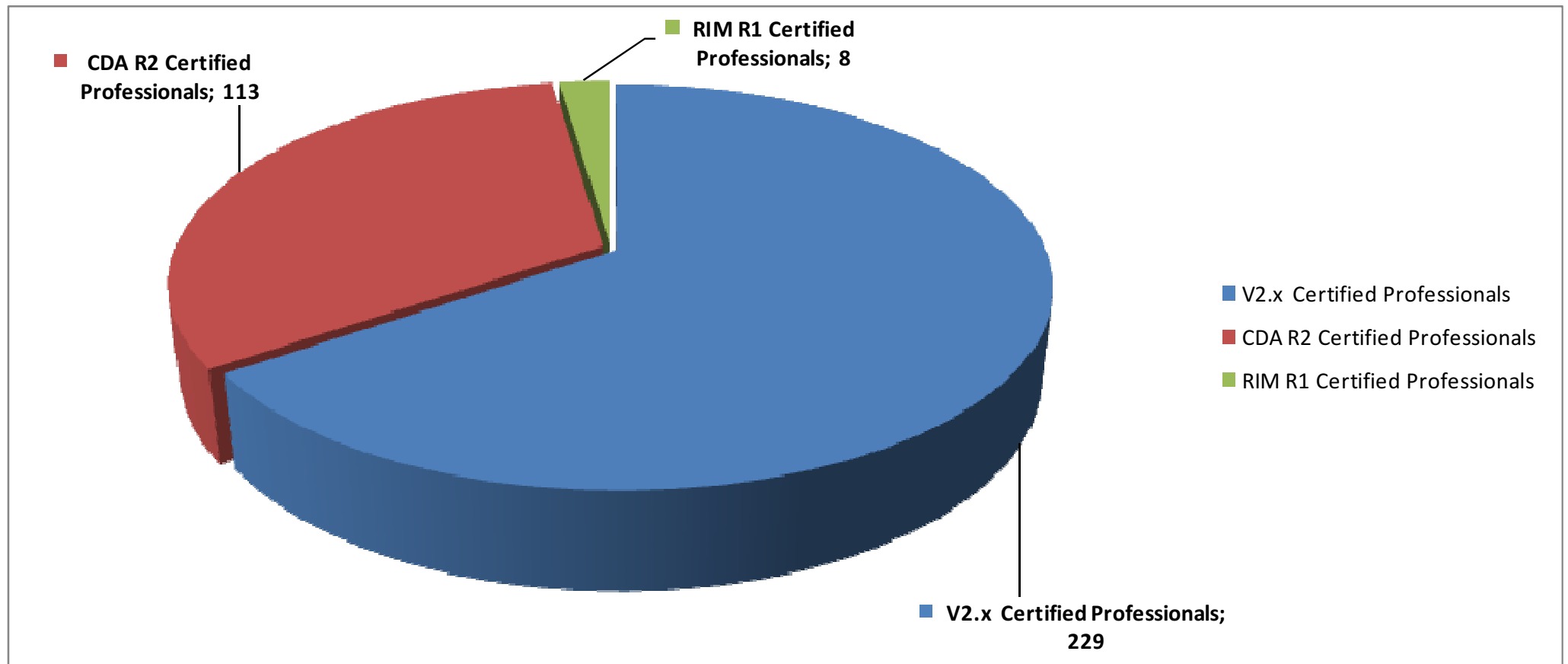
	Exam	Certif			
V2.6 Certification Exam	100				
V2.6 Professional Cert.		86	V2.6 Professional Cert.		
CDA R2 Certification Exam	59				
CDA R2 Professional Cert.		46	CDA R2 Professional Cert.		
RIM R1 Certification Exam	5				
RIM R1 Professional Cert.		5	RIM R1 Professional Cert.		
	164	137	84%		



Summary



350 HL7 CERTIFIED PROFESSIONALS SINCE 2005



Mission



HL7 SPAIN provides a comprehensive support to:

- **Health Care Professionals**
- **Industry**
- **Administration**
- **Faculty**

Involved in the use of standards for the exchange, integration, sharing, and retrieval of electronic health information that supports clinical practice and the management, delivery and evaluation of Spanish health services.

Membership



2011 HL7 SPAIN Membership Structure

- 46 Health Care Industry
- 16 Health Administration
- 5 Faculty

67 Corporative Members

Activities



- **Spanish Working Group Meetings**
 - **22nd February, 2011 – HL7 Spain Board and Technical Committee Meeting at INTEL, Madrid.**
 - **21st June, 2011 – HL7 Spain Board and Technical Committee at Hospital General Universitario Gregorio Marañón, Madrid.**
 - **6th October, 2011 – HL7 Spain Annual Plenary Meeting at SIMO NETWORK, Madrid.**

Training

402 Attendees



HL7 SPAIN 2011		Last update		14.01.2012										Spain	
Training & Certification Program															
		1	2	3	4	5	6	7	8	9	10	11			
		PALMA	PALMA	BCN	BCN	PALMA	PALMA	PALMA	DONOSTIA	BCN	VALENCIA	VALENCIA			
		14.03.2011	16.03.2011	21.03.2011	23.03.2011	28.03.2011	28.03.2011	30.03.2011	04.04.2011	07.04.2011	11.04.2011	13.04.2011			
Spanish e-Learning C.															
V2.6 Workshop		6			6										14
CDAR2 Workshop			4	4										12	
RIM R1 Workshop						8									
HL7 Executive Workshop											20				
Annual Plenary Meeting															
SNOMED Workshop							14								
CDA & SNOMED Adv Wksp									13	10					
12	13	14	15	16	17	18	19	20	21	22	23	24	25		
10ed CV	VALLAD	SEVILLA	SEVILLA	MADRID	MADRID	11ed CV	1ed CV	STA CRUZ	MADRID	LPALMAS	SEVILLA	SEVILLA	STA CRUZ		
14.04.2011	04.05.2011	09.05.2011	16.05.2011	18.05.2011	20.06.2011	15.09.2011	29.09.2011	03.10.2011	06.10.2011	10.10.2011	10.10.2011	17.10.2011	17.10.2011		
24						18	6								
	7	19			13			9		13					
			19												7
									32						
				21											

Training

402 Attendees



26	27	28	29	30	31	32	33	34	35	36		
LPALMAS 18.10.2011	STA CRUZ 20.10.2011	LPALMAS 24.10.2011	STA CRUZ 26.10.2011	LPALMAS 02.11.2011	MADRID 07.11.2011	MADRID 10.11.2011	SEVILLA 10.11.2011	SEVILLA 17.11.2011	BCN 21.11.2011	BCN 23.11.2011	Total	
					16		10			7		48 Spanish e-Learning C.
		8						6	13			120 V2.6 Workshop
												73 CDA R2 Workshop
												8 RIM R1 Workshop
												20 HL7 Executive Workshop
												32 Annual Plenary Meeting
8	6					15						64 SNOMED Workshop
			6	8								37 CDA & SNOMED Adv Wks
											402	

Certification



137 Certified Professionals - 2011

HL7 SPAIN 2011	Last update																14.01.2012		
Certification Exams	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Exam	Certif	
	MADRID 22.02.2011	BCN 29.04.2011	PALMA 11.05.2011	VALENCIA 12.05.2011	MADRID 18.05.2011	VALLAD 01.06.2011	SEVILLA 02.06.2011	MADRID 14.07.2011	MADRID 05.10.2011	LPALMAS 04.11.2011	MDR 14.11.2011	BCN 12.12.2011	MDR 13.12.2011	SEVILLA 14.12.2011	LPALMAS 15.12.2011	STA CRUZ 16.12.2011			
V2.6 Certification Exam	3	3	2	12		6	10	7	7	1	6	3	21	6	9	4	100		
V2.6 Professional Cert.	3	3	2	10		5	10	4	6	0	5	3	18	5	8	4		86	V2.6
CDAR2 Certification Exam	2	6	4	3	3	2	17			9		6	2	3		2	59		
CDAR2 Professional Cert.	2	4	2	3	2	2	14			7		5	1	3		1		46	CDAR2
RIM R1 Certification Exam	2					1			2								5		
RIM R1 Professional Cert.	2					1			2									5	RIM R1
																	164	137	84%

Certification



350 Certified Professionals since 2005

HL7 SPAIN 2011		Last update	14.01.2012							
Certified Professionals										
			2005	2006	2007	2008	2009	2010	2011	Total
V2.x Certified Professionals			10	8	13	25	17	70	86	229
CDA R2 Certified Professionals					2	3	28	34	46	113
RIM R1 Certified Professionals								3	5	8
Certified Professionals			10	8	15	28	45	107	137	350

Collaboration



- **HL7 EDUCATION e-Learning Project**
- **HL7 SPANISH e-Learning Course**
- **HL7 SPAIN & BARCELONA POLYTECHNIC UNIVERSITY**
 - **Improving HL7v3 usability by Automatic Filtering Models**
 - **e-Learning “HL7 Practitioner's Guide to UML”**
 - **Security Domain Analysis Model**
 - **Mirroring HL7v3 to UML compliant models**
- **IHE SPAIN Alliance**

Collaboration



- HL7 SPAIN & VALENCIA POLYTECHNIC UNIVERSITY
 - **CDA & Archetypes Editor**
- HL7 SPAIN & BASQUE COUNTRY UNIVERSITY
 - **CDA & TERMINFO**
- HL7 SPAIN & SALAMANCA UNIVERSITY
 - **HL7 Training & Certification Program**

Significant Accomplishments



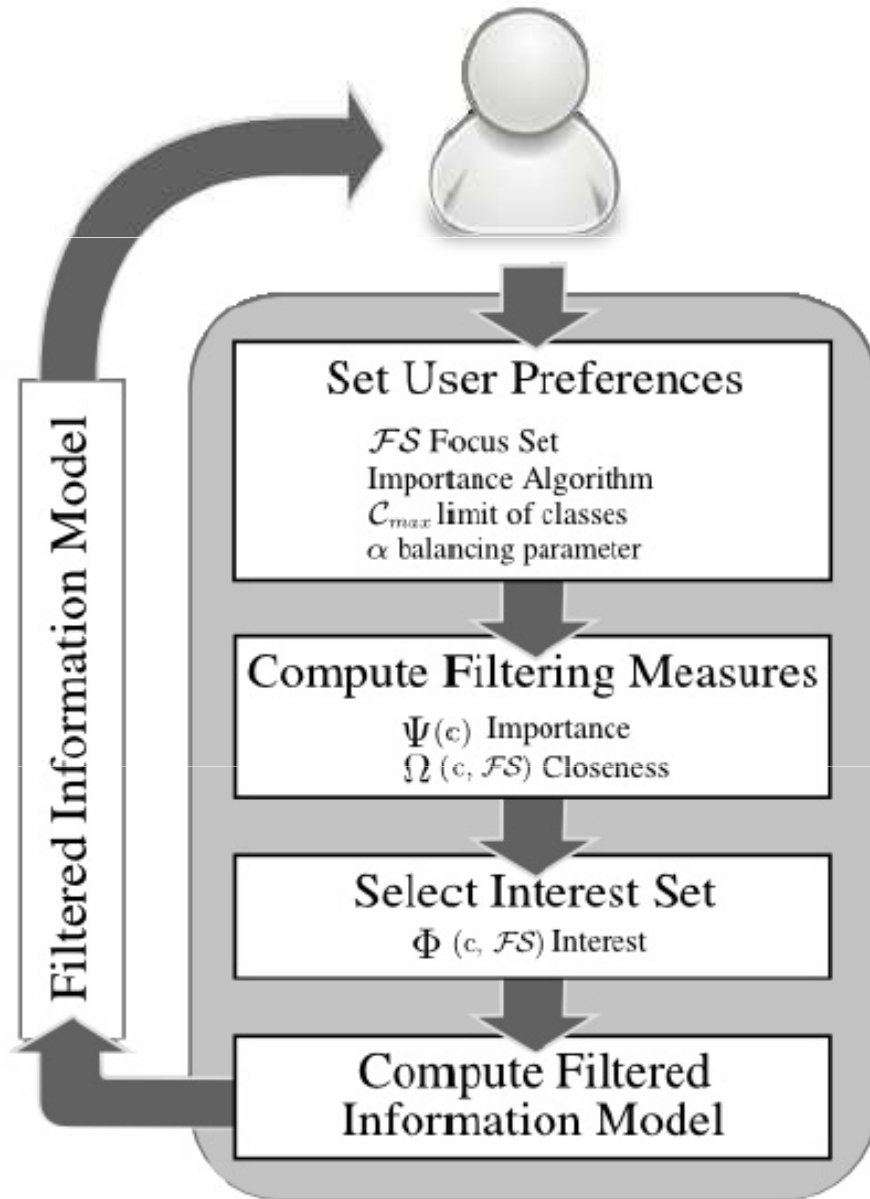
- **Personal Health Record Functional Guide**
- **Electronic Prescription Invoicing Guide**
- **Spyrometry CDA Implementation Guide**
- **Improving HL7v3 usability by Automatic Filtering Models**

Significant Accomplishments



- **DMAG's Secure EHR Editor**
- **LinkEHR CDA & Archetype Editor**
- **Mirroring HL7v3 to UML compliant models**

Improving HL7v3 usability by Automatic Filtering Models

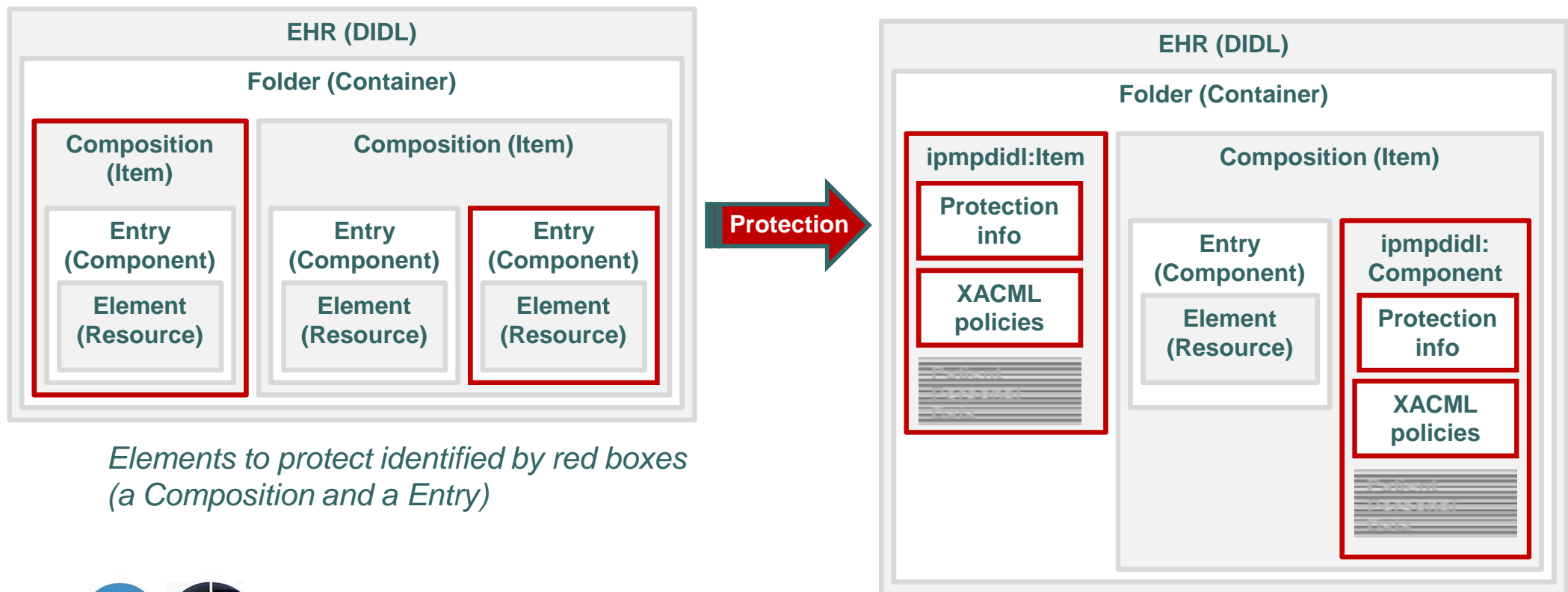


- **HL7 Knowledge Extraction**

- Prototype recovers more than 80% of the knowledge of a D-MIM in three iterations, with an average time per iteration that doesn't exceed one second

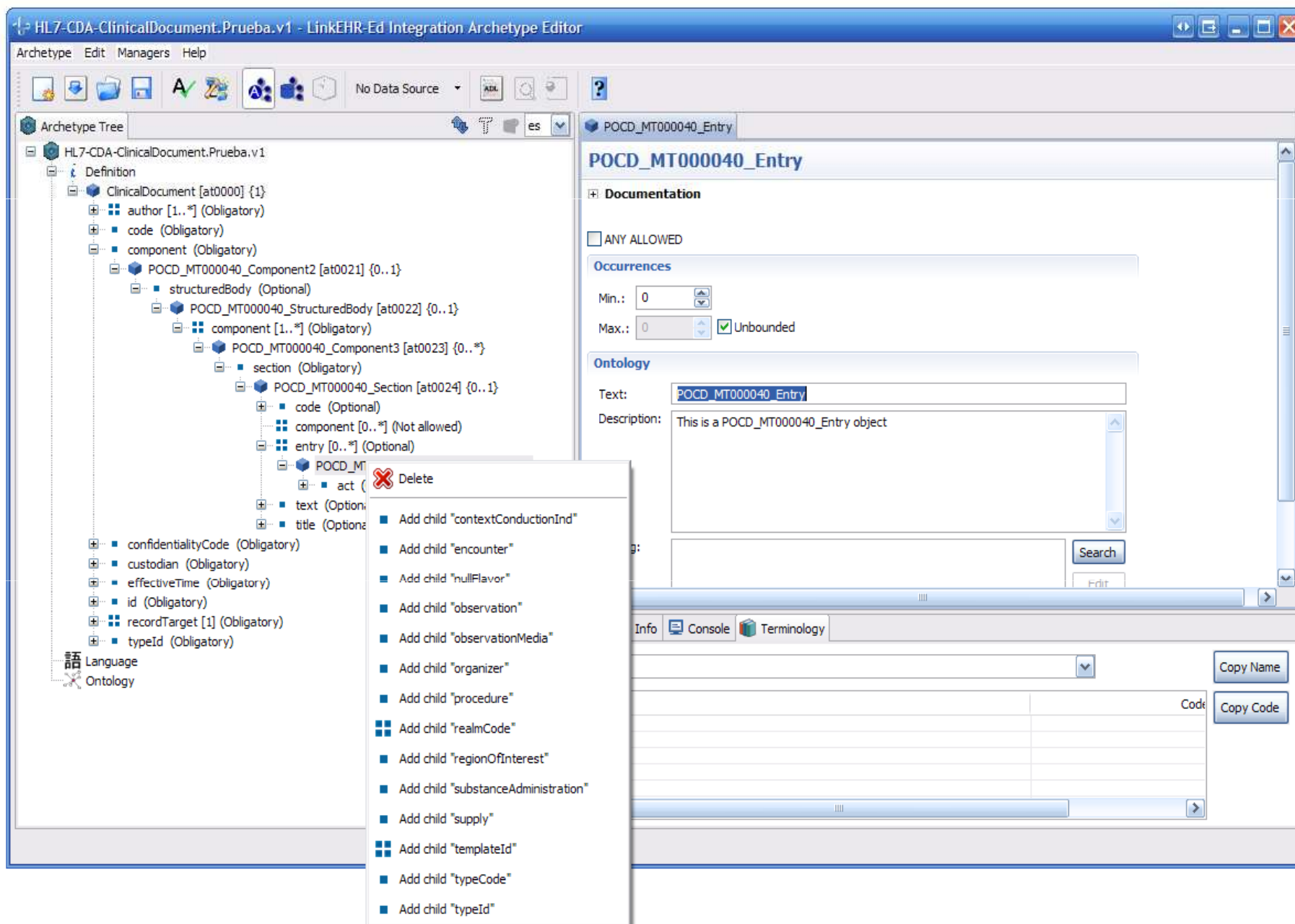
DMAG's Secure EHR Editor

- **Protection:** MPEG-21 Intellectual Property Management and Protection (IPMP) Components
- **Privacy Policies** definition: OASIS eXtensible Access Control Markup Language (XACML)

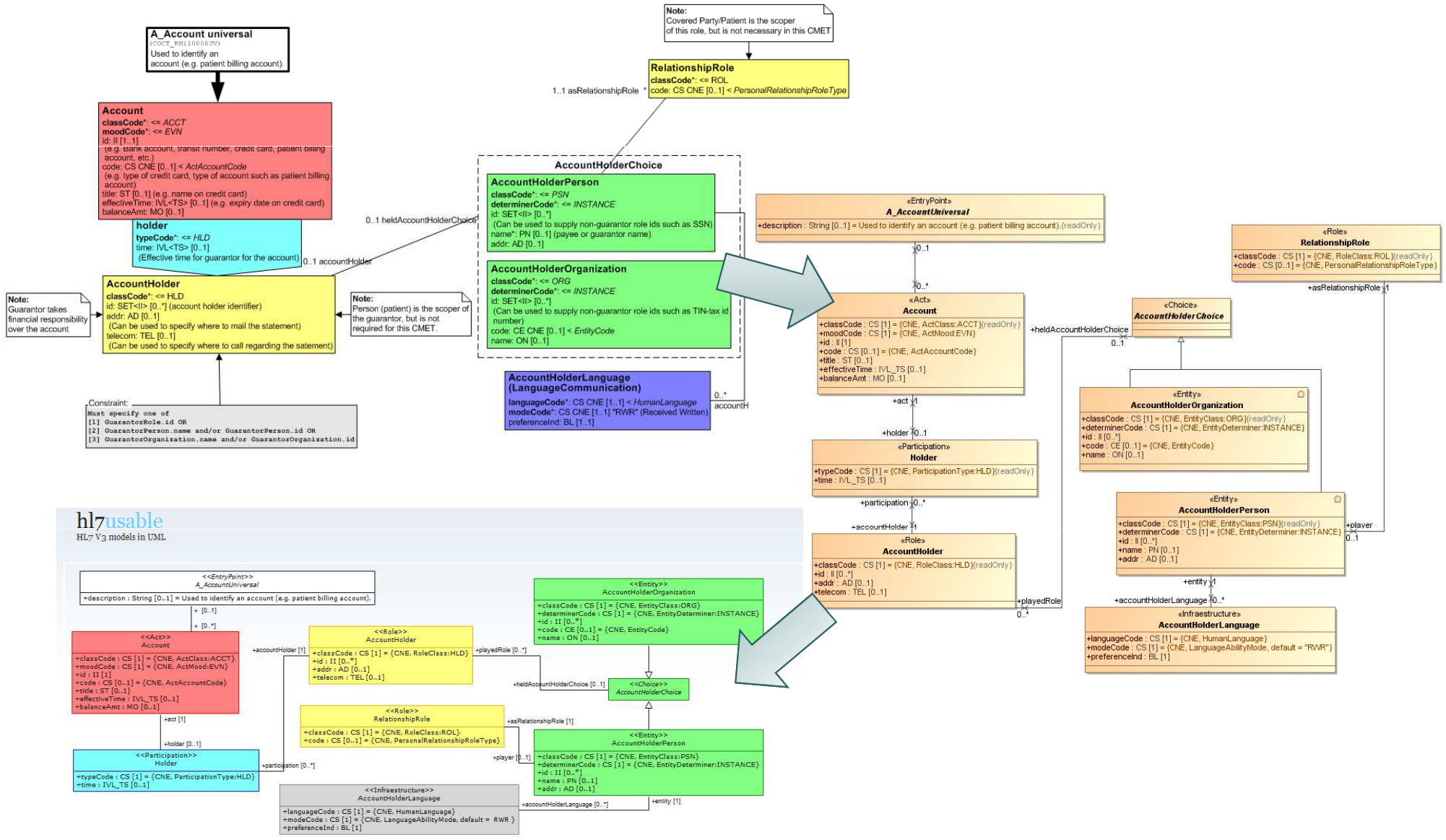


*Elements to protect identified by red boxes
(a Composition and a Entry)*

LinkEHR CDA & Archetype Editor



Mirroring HL7v3 to UML compliant models - Example



hl7usable
HL7 V3 models in UML

Next...



New e-Learning course

HL7 Practitioner's Guide to UML

The image shows a detailed overview page for the 'HL7 Practitioner's Guide to UML' e-learning course. At the top, it indicates the year '2012' and the start date '1st Edition Starts March 15th'. The title 'HL7 Practitioner's Guide to UML' is prominently displayed. Below the title, there is a brief description: 'e-Learning UML Tutorial for professionals who develop and implement integration models with HL7 standards and agile methodologies'. The page is organized into several sections: 'Syllabus' (listing various topics and their durations), 'Learning by Doing' (describing the hands-on nature of the course), 'Why?' (explaining the importance of UML in healthcare), 'How to?' (providing information on how to access the course), and 'Who?' (identifying the target audience). A large, colorful flowchart or diagram is positioned on the right side of the page, illustrating the course structure and the relationships between different modules. The bottom of the page includes a 'Faculty' section and an 'Enrollment' section.

English Ed. March 2012

Thank you...

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