

Patient Safety & Health Information Technology



Electronic platform for professional training and patient safety culture building (*)

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(*) Recio M, Novillo D, Aibar C, Fernandez M, Aranaz J, Agra Y, Terol E, Martin A, Gonzalez A, Martinez-Campos E, Garcia J, Infante A







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2. A Web based integrated electronic platform

3. e-room, didactic materials & documents

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5. Online training resources

6. Coming Soon

Plan de Calidad Sistema Nacional de Salud

Patient Safety Strategy of the Spanish National Health System



ECRETARIA GENERAL DE SANIDAD



PATIENT SAFETY: A NATIONAL PRIORITY FOR THE SPANISH NATIONAL HEALTH SYSTEM



STRATEGY Nº 8 OBJECTIVE:

TO IMPROVE PATIENT SAFETY IN THE NATIONAL HEALTH SYSTEM

Education about PS is the first step in changing the mindsets of professionals



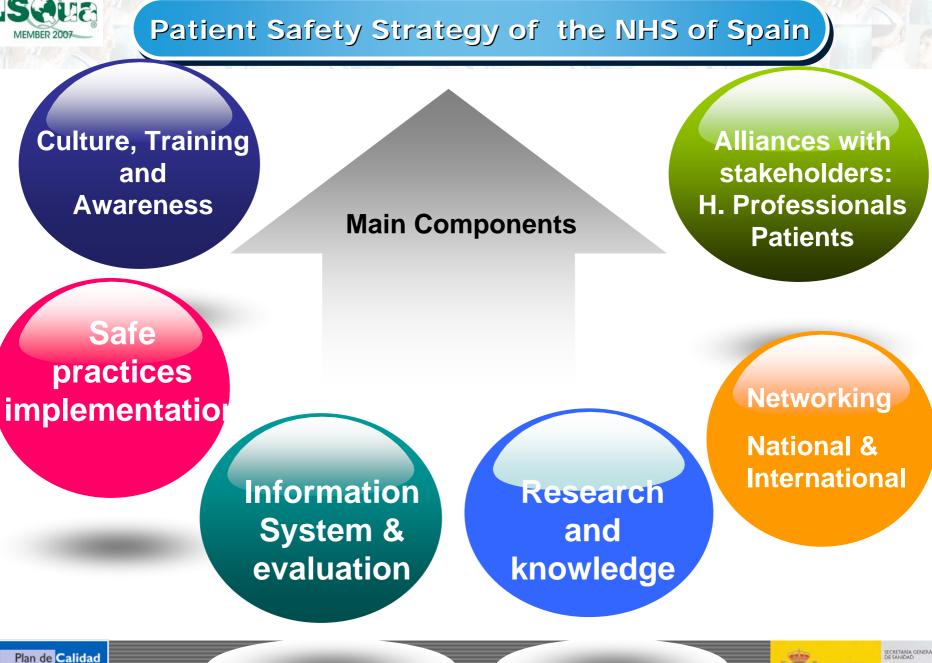




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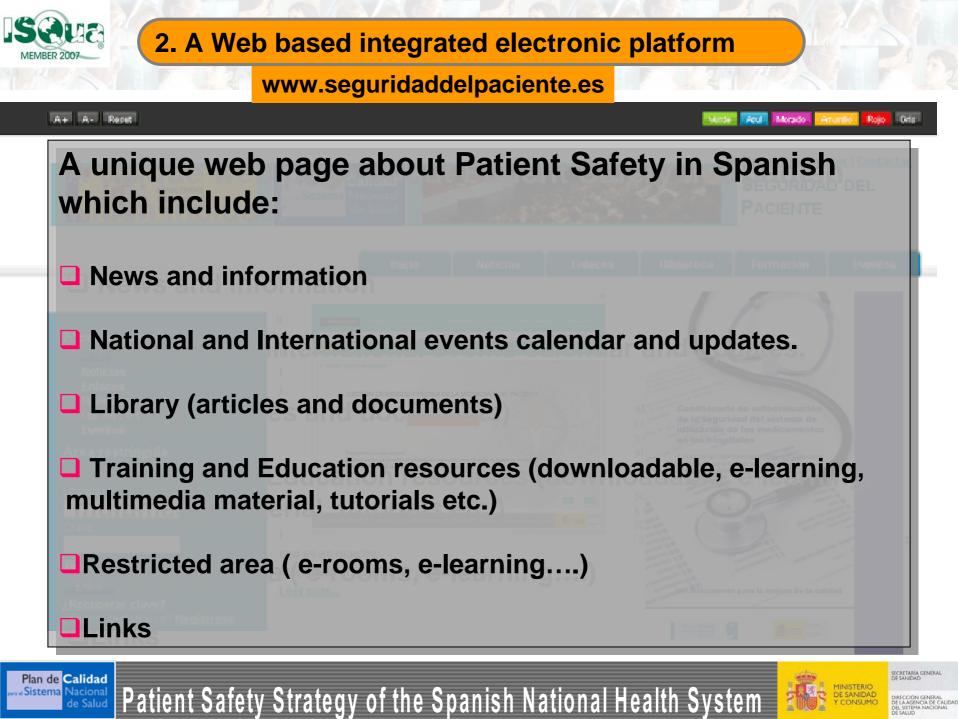
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Patient Safety Strategy of the Spanish National Health System



ESANIDAD RECCIÓN GENERAL E LA AGENCIA DE CALIDA





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E-Room provides:

- •Shared, secure workplaces on the Web
- Allow distributed Project teams (nation wide) to work together
- Enables your team to discuss ideas, share information, and make decisions within a central location.
- Offers built-in enterprise content management
- Enables integration of content & collaboration in your work process.

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E-room allows members to create





Discussion (A multi-person chat made up of several individual topics)

Note (A simple text page)



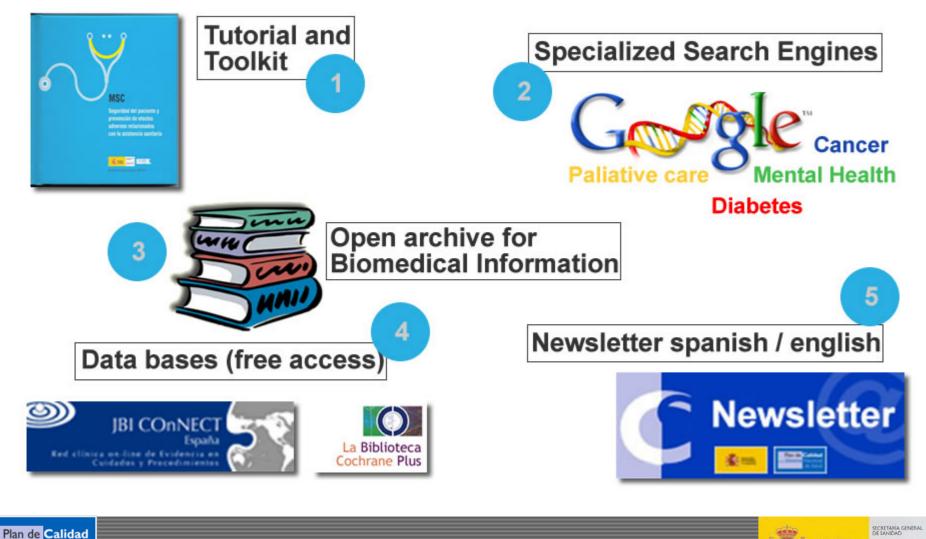
- **Calendar** (A simple team calendar)
- **Project Plan** (A simple project schedule with a Gantt chart)

Database (An organized collection of information relating to a particular subject or purpose)

Others: Other files, Links, Dashboard, ...







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Asistema Nacional Actional Patient Safety Strategy of the Spanish National Health System







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IRECCIÓN GENERAL E LA AGENCIA DE CALIDA EL SISTEMA NACIONAL E SALUD



Plan de Calidad

de Salud

Sistema Nacional



D. G. Apenola de Calidad del Sistema Nacional de Salud



Boletín de Julio 2007 (Vol. 1, nº. 6) Archivo de Boletines: Boletín de noticias \ Boletín Vol. 1, nº, 6 (Martes, 17 de julio, 2007) Google" Custom Search Buscar Destacamos: Eventos: Biblioteca Virtual en Ciencias de la Salud. Información El Ministerio de Sanidad y Consumo en Sanitaria en la Red. Nuevos el marco del Plan de Calidad 2007 Recursos, Nuevos Servicios organiza los siguientes actos: Plan de Calidad (Salamanca, del 3 al 7 de and Sistema Nacional septiembre). 24th International Conference: The International Society for Quality in Eventos Nacionales e Health Care (Boston, del 30 de Internacionales 2007 septiembre al 3 de octubre). (Última actualización: 21 de mayo de 2007). 24th International Conference and benchmark from Quantum terr Measured ([+ eventos] Lecturas recomendadas: [+ destacamos] Tighe CM, Woloshynowych M, Brown R, Wears B, Vincent C. Incident reporting in one UK Noticias: accident and emergency department. Accid Emerg Nurs.



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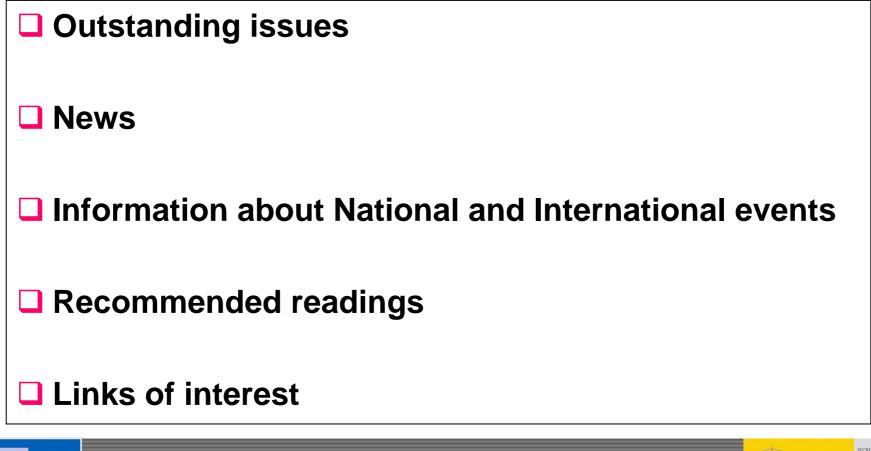
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4.Newsletter content





Sistema Racional de Salud Patient Safety Strategy of the Spanish National Health System



IRECCIÓN GENERAL E LA AGENCIA DE CALID





- Recipients: around 4,500 people (practitioners, managers, policy administrators, researchers, patients, Spain and Latin America...)
- Published monthly
- Information exchange with users (suggestions and contributions are welcomed)
- Main media in Spain to disseminate PS information (1st position in Google: search criteria "seguridad del paciente")







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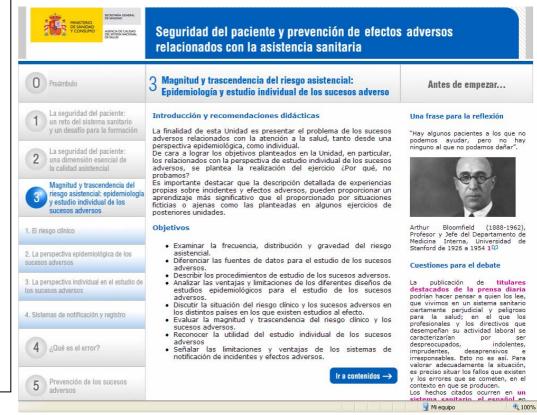
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Patient Safety Tutorial



- **Resources for Teachers & Students**
- **Powerpoints** •
- Case studies
- Quizes and tests
- **Bibliographic references** and links







DIRECCIÓN GENERAL DE LA AGENCIA DE CALIDAD DEL SISTEMA NACIONAL DE SALUD





Multimedia CD (already distributed across Healthcare Settings in Spain) (10.000 copies)







Driving force of the didactic materials

The hard path from

Exclusively reactive risk management: post-event



Combined Reactive+Proactive Risk Management



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Driving force of the didactic materials





Driving force of the didactic materials





Driving force of the didactic materials

Reactive Risk Management exclusively



Reactive & Proactive Risk Management





Continuous improvement









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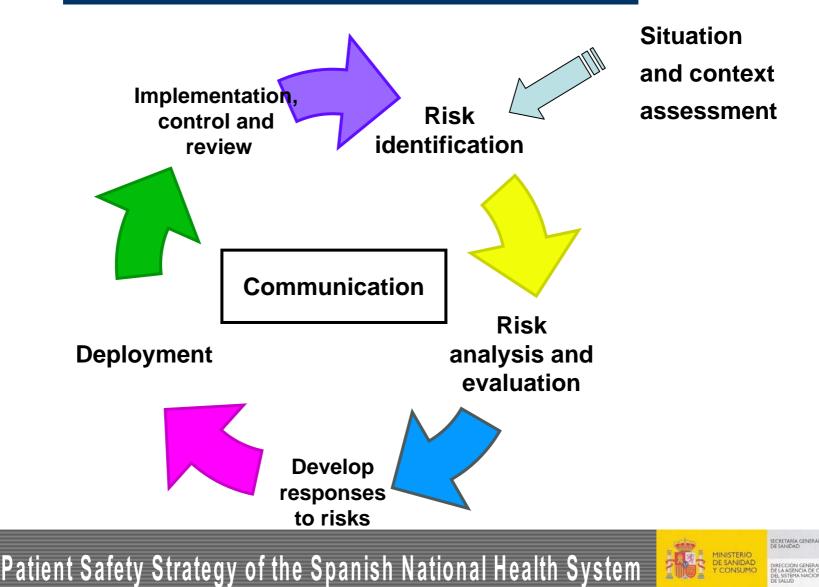


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Risk Management e-learning

Flow diagram of the didactic materials





Flow diagram of the didactic materials: phases



Phase 1: Situation and context assessment

Before identifying and managing the risks of our organization, we need to answer the following questions:

- ✓ What does our organization provide?
- \checkmark What are we able to do and, what are we going to do?
- ✓ To which environment are we going to provide with our services?
- Who is our customer?, What do our customers need?, How does it benefit them?

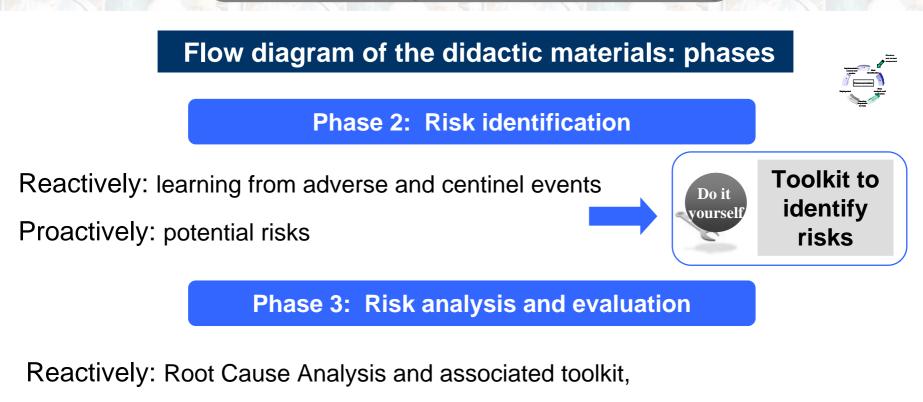


Toolkit to "listen" the customer (patient) voice and the health environment voice

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Proactively: Preventive analysis and associated toolkit



Toolkit to search for:

causal and influential factors

potential failure modes/effects/barriers/...





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Flow diagram of the didactic materials: phases



Phase 4: Develop responses to risks

Which response is appropriate for each risk?: examples and case histories



Toolkit to develop efficient action and cotingency plans

Phases 5,6 & 7: Deployment, implemantation, control, review and communication

Methodologies, steps, expectable stages of advance and obstacles,..., to integrate Patient Safety into "the way we provide our service daily"



Successful methodologies and case histories to implement a effective Patient Safety Strategy and Culture

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Flow diagram of the didactic materials

For each phase



CONCEPTS TOOLKIT DESCRIPTION EXAMPLES OF THE USE OF EACH TOOL CASE HISTORIES PDF reference docs LINKS TO LEARN MORE

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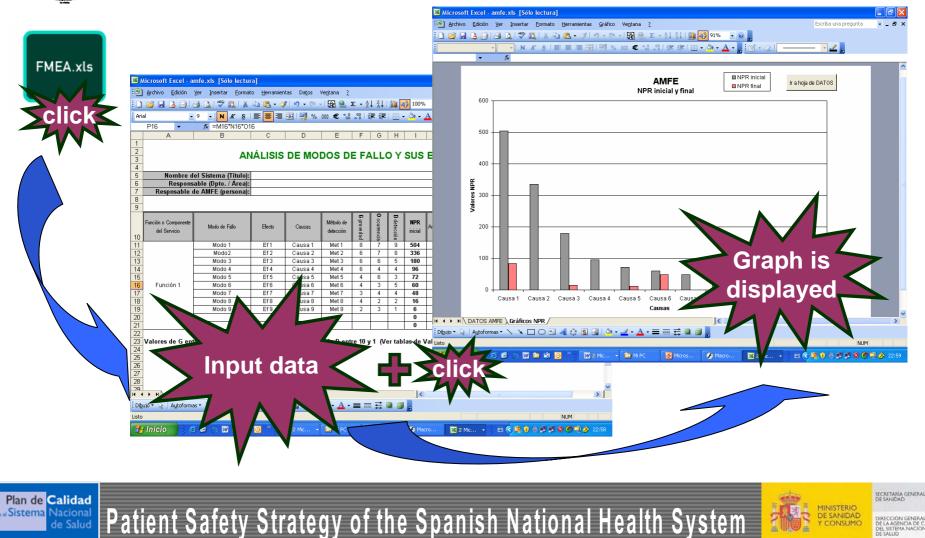




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Risk Management e-learning

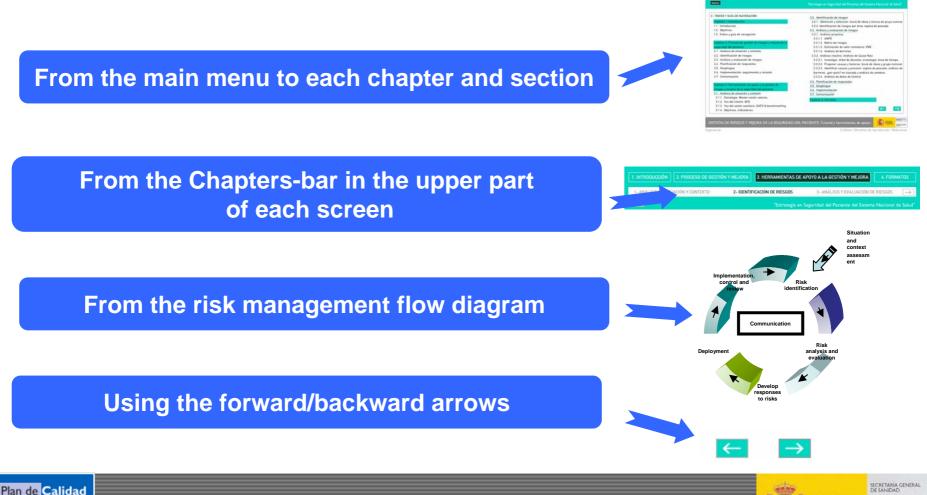
Ready-to use electronic toolkit formats



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Surfing the didactic materials







The platform



Available Courses





The ONLINE courses

MINISTERIO PESANIDAD PESANIDAD PESANIDAD PESANIDAD DESCRIPTION	para Sistema Nacional Ministry of H	Sanidad y Consumo de España lealth and Consumer Affairs of Spain sidad Carlos III de Madrid
		You are logged in as NomUsuario1 ApeUsuario1 (Logout) English (en)
Messages – No messages waiting Messages	My courses Risk Management and Patient Safety Improvement Profesor: Tutor online Profesor: NomUsuario1 ApeUsuario1	 -Learn the phases, techniques and tools for an efficient risk management and patient safety improvement. - Develop a risk management and patient safety improvement plan for the Centre you are currently working for, couseled by an expert team of tutors
	Gestión de riesgos y mejora de la segur Profesor: Tutor online	 ciente - Aprenda las fases, técnicas y herramientas más actuales para llevar a cabo una Gestión de Riesgos adecuada. - Asimismo, elabore un plan de gestión de riesgos y mejora de la seguridad del paciente, adaptado a su Organización o centro de trabajo, guiado y asesorado por tutores expertos.

Risk Management and Patient Safety Improvement

✓ Learn the phases, techniques and tools for an effective risk management and patient safety improvement.

✓ Develop a risk management and patient safety improvement plan for the Organization/Centre/Area you are currently working for, guided and advised by a team of expert tutors



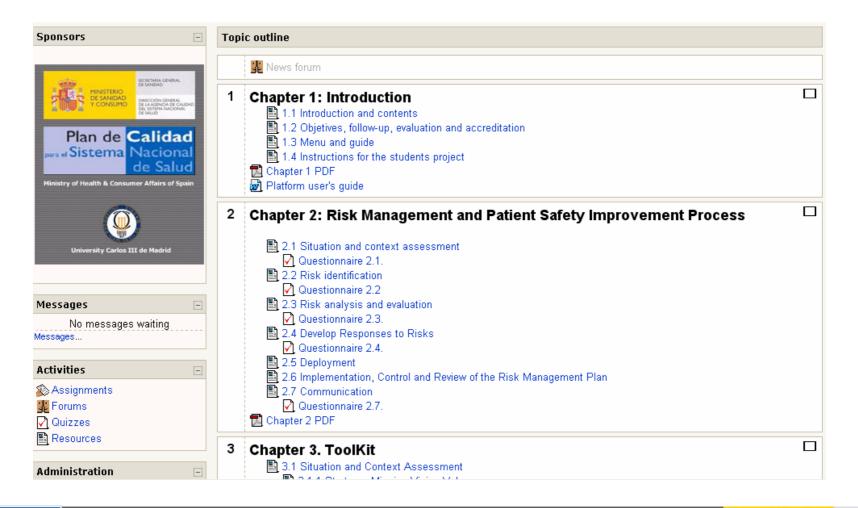
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E SANIDAD



The contents (menu)



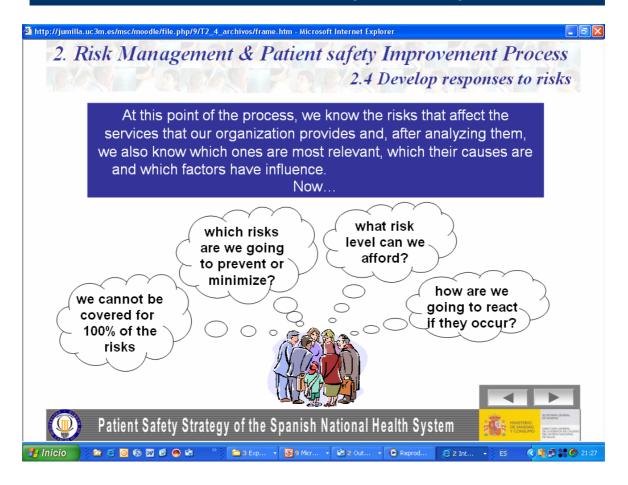


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The contents (screens)



Sistema Calidad - Sistema Calid



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Risk Management e-learning full courses

The questionnaires

	Start again
1 (100) Marks: -/1	Within the Risk Management, indicate which are the two phases previous to the Risk Analysis and Evaluation. Answer:a. Plan responses to risksb. Risk Identification
	☐ c. Implementation, control and review ☐ d. Deployment ☐ e. Situation and Context Assessment
	Submit

Questionnaires along the course are aimed to assist and consolidate the learning progress



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The exercises and the team project

MSC » MSC-ENG1 » Assignments Submitted Topic Name Assignment type Due date Grade 3 Exercises 1-2-3 Upload a single file View 1 submitted assignments -Exercise 4 Uploa Jump to Exercises 5-6-7 Uploa Exercise 8. Uploa MSC » MSC-ENG1 » Assignments » Exercise 15 Exercises 9-10-11-12 Uploa Exercise 15. Develop responses to risks Exercise 13 Uploa a. Make a table where, for each one of the risks identified in the FMEA, you propose a response of the following type Exercise 14 Uploa Avoid the risk Exercise 15 Control the risk or mitigate its effects Uploa Transfer the risk Exercise 16 Uploa · Accept the risk Propose 2 responses of different type for each risk from the FMEA b. Develop CONTINGENCY PLANS to react in the event that the risks identified in FMEA would actually take place.

b. Develop CONTINGENCY PLANS to react in the event that the risks identified in FMEA would actually take place. MOTE - Prepare this exercise in a WORD file. Before sending the file, compress it (Winzip or Winrat). Then click on "Browse" to search for the compressed file in your hard drive. Once you have selected the file, click on the button "Upload file". Available from: Saturday, 26 May 2007, 03:55 PM Upload a file (Max size: 8MB) Lowelop CONTINGENCY PLANS to react in the event that the risks identified in FMEA would actually take place.

Performing a set of 16 exercises, each team developes a Risk Management & Patient Safety Improvement Plan (the project)

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Update this Assignment View 0 submitted assignments



Tracking the advance

	Jump to								
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The exercises of each team are reviewed and scored by the tutorial team.

Continuous guidance and support is provided to teams as they progress through the Plan

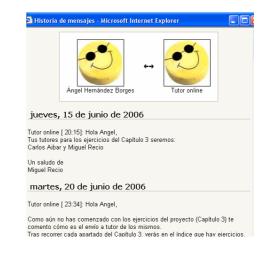
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The communication and feedback





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Risk Management e-learning full courses

Accreditation

Patient Safety Strategy of the Spanish National Health System



ONLINE training courses:

Are accredited by the Health and Consumer Affairs of Spain

Team Projects are printed and published as good practices

(these are additional motivations)





So far...

- 4 courses have been held
- Over 230 professionals and patient safety managers
- Over 70 teams (70 Healthcare Settings 70 Plans)
- Teams from the 18 Spanish Health Regions
- 15 teams / 62 professionals from Latin American countries (in collaboration with OPS)
- Primary and Specialized care
 - Available in Spanish and English

Well communicated and accepted within the health environment ("mouth to mouth" is also working)



Patient Safety Strategy of the Spanish National Health System



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The team Projects – Plans have been focused on...

Entire health settings

Specific areas of the centre: emergencies, primary care, intensive care, neonatology, oncology, nursery, general surgery,...

Health Region overall system

Specific topics:

post surgery pain control, right patient/right medication,...

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Encouraging evaluation form results

_	CRITERIA	1	2	3	4	5
1	Interest of the contents					

2 Organization of the documentation/resources

3 The materials were easy to follow/understand

4 Exercise requirements are easy to understand

5 The ONLINE platform was easy to use

6 The course was easy to surf





Encouraging evaluation form results

_	CRITERIA	1	2	3	4	5
8	Tutors provided clear feedback and advice					

0	The quality of the tutorial comments and guidance	
9	was high	

10	Response time to exercises and questions			
	· · · ·			

11	Timeframe of the course was enough understand			
11	the contents and perform the exercises			

12	The objectives described at the beginning of the course were reached			
	course were reached			





Positive feedback from "students"

"Wakes up the curiosity and interest for the Patient Safety"	"Excelent communicat with the tutors"	ion "Friendlly and intuitive format"
"It took a lot of work, but I have enjoyed it"	Feedback Comments	"Right structure and progressive (step by step) development of the team project"
"Course goals were realistic and reachable" "Useful for my jo		Provides enough guidance to start from zero the diagnosys of a Health Centre"







Next Steps

- 5 course calls in 2008: over 400 professionals
 - o primary care
 - o specialized care
 - o Latin America
 - o European Community (EUNETPASS project)
- New ONLINE courses by the end of 2007
 - Patient Safety training materials for graduate and post-graduate levels
 - Self guided Risk Management and Patient Safety Improvement course
- Analysis of all the information contained in the 70 projects developed so far. Publication and communication of the summary of results.
- Good practices catalogue by centre, area, topic,....

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- **Results:**
- The electronic platform has been designed and has been operative since the beginning of 2006.
- All the goals and features mentioned in the METHODS section above in this abstract ۰ have been met with the following results:
- Improved accessibility to information, accessibility to documentation and exchange of • communication for all professionals without the need of physical presence.
- Harmonized approach to Risk Management and Patient Safety Improvement. ۰
- Increase in the access, frequency and quality of the information, communication and ۰ experience exchange among the professionals from the SHR.
- High satisfaction level of the users of the electronic platform resources, as reported • through the platform evaluation forms
- Didactic training materials in electronic form (multimedia CD) have been developed • and delivered throughout the Healthcare organizations in Spain. (also available in English)
- ONLINE Training courses are available (both Spanish and English versions). •
- Effective ONLINE training in Risk Management and Patient Safety Improvement has • been completed by over 120 professionals and healthcare teams. Patient Safety Improvement Plans have developed for their Health Organizations and published after finishing the training course.

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YOU ARE KINDLY INVITED TO THE

Conferencia Internacional en seguridad de pacientes:



RETOS Y REALIDADES EN EL SISTEMA NACIONAL DE SALUD DE ESPAÑA (SNS)

15-16 de Noviembre 2006 Madrid España Organiza: Dirección General de la Agencia de Calidad del S.N.S. Ministario de Senidad y Consumo

III INTERNATIONAL CONFERENCE ON PATIENT SAFETY OF THE NHS

PATIENTS FOR PATIENTS SAFETY

MADRID

13 - 14 DECEMBER 2007

No registration fees

www.seguridaddelpaciente.es