




# Quality Issues for Games for Health

## Serious Games Lyon

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TPLD





- TPLD Overview
  - Primary market interests:
    - Soft Skills and Process in the following areas:
    - Corporate
    - Education
    - Health and Safety
    - Quality Issues
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# Community & Hospital Associated Infections:

# MRSA

## Awareness & Training Tool

please select your

### PLAYING CHARACTER



*nurse*



*doctor*



*cleaner*



**TPLD: CONCEPTS**

- Approached by Blue Cross
- Developed as a conceptualiser initially and now in full production
- Partnership with University of Abertay Dundee to incorporate their simulation model of MRSA transfer
  - Developed in conjunction with NHS Tayside Trust



- The main objective of the GBL application is to radically change the way people learn and reinforce best practice
  - create awareness of the outcome of their actions and decisions
  - create awareness of the role of other team members
  - effectively assess each players actions and decisions made within the training session
  - significantly reduce operational and training costs
  - immediate application of learning outcomes in the ward environment

- Developing, in partnership, with the University of Abertay Dundee (UAD) a GBL application based on a scientifically validated mathematical engine that simulates the spread of HAI.
  - test the sum total of effectiveness of intervention as well as measuring whether there is actual reduction in MRSA.
  - interface (and use data) from this engine to simulate HAI incidents and provide an immersive learning environment which will dynamically link team members from different departments



# Trials + Tribulations

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- ◆ Sensitive issue
    - Scientific validation is critical
    - Very lengthy process – development started in mid-2004
    - Different health authorities worldwide work differently despite having a common cause
    - Artists got thrown out of the hospital!
  - ◆ Currently looking for project sponsors
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# Contamination!



- The project has created a laboratory manual, a proficiency testing scheme as well as the GBL application
- Fantasy Scenario but in Context
- Progress Report
- Used in labs or libraries or home PC's

- Quality control in labs is in a bad state
  - Students leave Universities with little understanding
  - Many pressures – budget, time, politics
- Previous teaching techniques were books and workshops
  - Not the most effective method due to lack of experiential awareness of consequences
- Experience working on previous lab quality control game

- Approached by Qnostics
  - Molecular diagnostics company
- Developed in collaboration with Labs of the Government Chemists
- Key members of staff from LGC liked and played games