

Welcome to TechEx '15



TechEx
2015



Simulated 3D work
environments for health
professionals

Dr Ivan Bindoff

A gross simplification of higher education



- Theory
 - Lectures
 - Readings
- Students practice to apply theory
 - Experience
 - Feedback
- Work environment

Traditional methods



Tutorial



Practical



Field work



Laboratory

- But what happens when we cannot apply our theory safely?
 - Risk of harm to someone under their care

Simulation



Disaster response



Business



Military



Flight

Simulation

TechEx
2015



Second Life

TechEx
2015



Serious Games/Virtual Worlds



Then

- Expensive tools
- Had to make all your own assets
- Skills shortage
- Devices expensive and weak



Now

- Free/cheap tools
- Large selection of free/cheap assets
- Huge talent pool
- Devices cheap and powerful

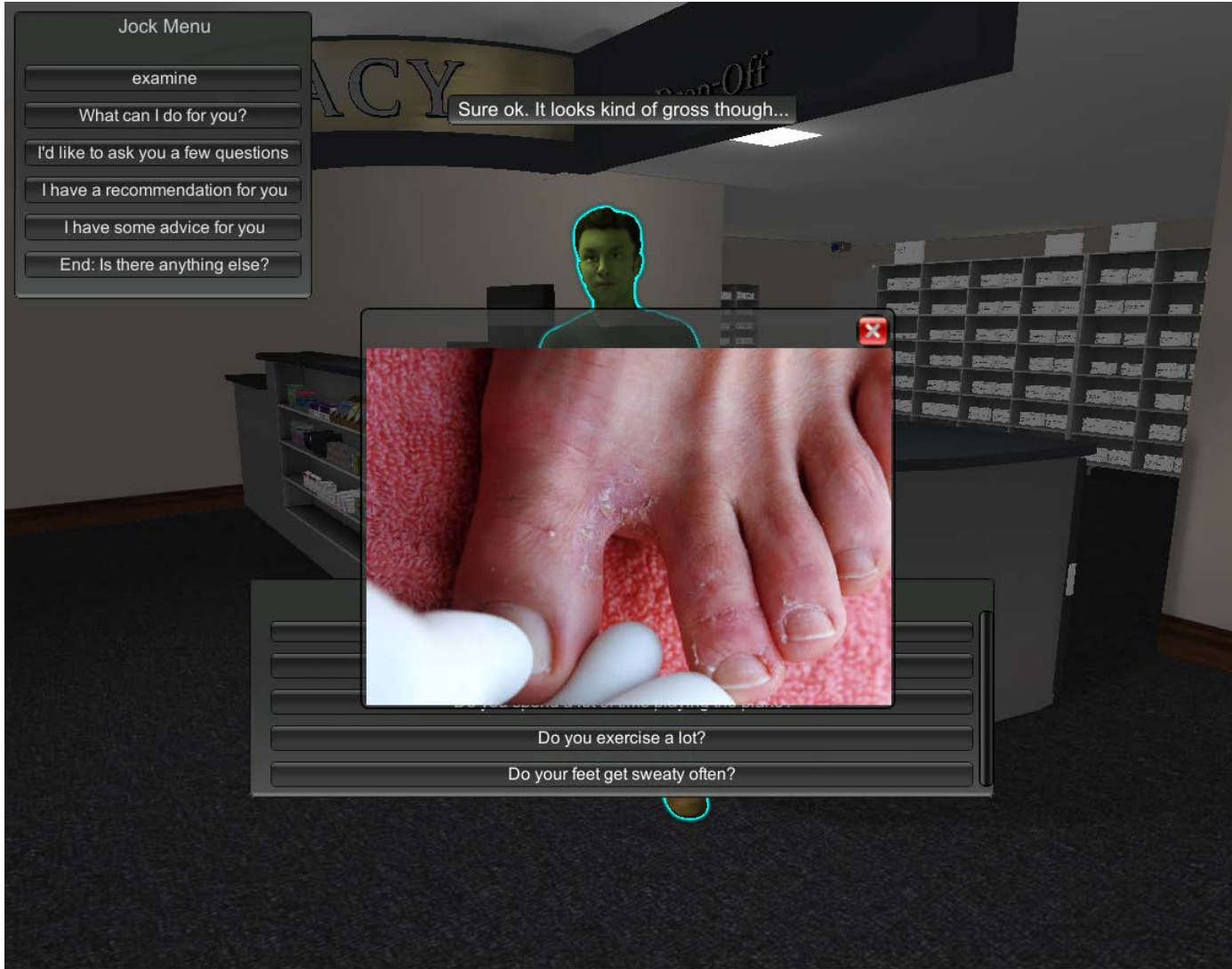
Community Pharmacy Simulator

TechEx
2015



Community Pharmacy Simulator

TechEx
2015



Hospital Simulator

TechEx
2015



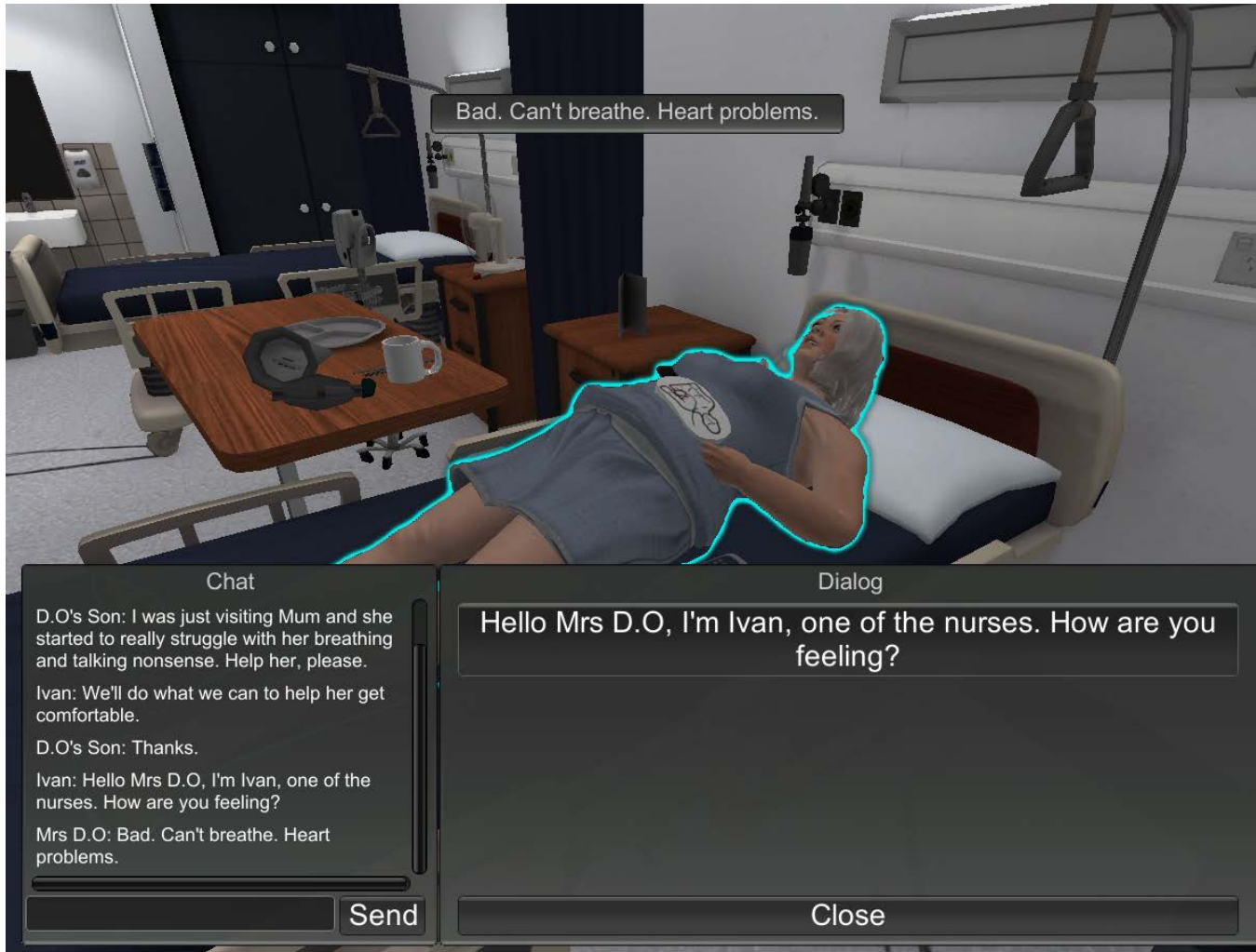
Hospital Simulator

TechEx
2015



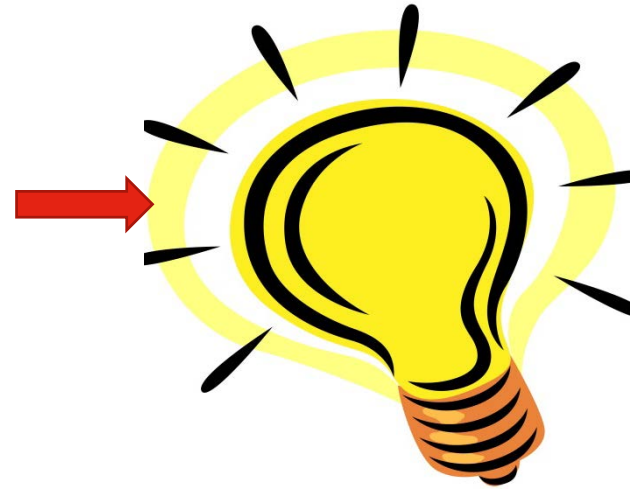
Hospital Simulator

TechEx
2015



Simulation Platform

- A lot of technology overlap
 - Seems to hold true across many disciplines
- Create general purpose “Simulation Platform”
 - A set of tools and assets as a backbone for the creation of 3D simulated learning environments
- Hospital Simulator being built concurrently with/on this platform
- Community pharmacy simulator currently being converted
- So much scope for future work! Simulated learning environments for everyone!
 - Rapid and cost-efficient development!



Questions?

- Dr Ivan Bindoff
- Ivan.Bindoff@utas.edu.au
- 6226 7396
- Pharmacy, Sandy Bay Campus

