Simulation in Pharmacy Education

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More Reading?		
	Potential journals	10,000
	Potential new articles per week	40,000
	Even if 97% are not relevant	1,200
	Time to read each article	15 minutes
	• 10h a day, 6 days a week = 240 articles	
	 So at the end of the first week you are about 4 weeks behind in your reading 	
	 At the end of the first month, you are 4 months behind in your reading 	
 And at the end of the first year you are almost 5 years behind in your reading 		
Keele University With thanks to Dr Neal Maskrey NICE		





Primary Care in 2025

 Institute for Alternative Futures. Primary Care 2025: A Scenario Exploration. Alexandria, VA. January 2012. Available from http://www.altfutures.org/pubs/pc2025/IAF-PrimaryCare2025Scenarios.pdf.

Primary Care In 2025 ; A Vision

- Integrated systems—Accounting for 40% of primary care, integrated systems are responsible for all care for a global fee. These
 integrated systems include managed care organizations such as Kaiser Permanente, as well as a large number of accountable care organizations
 which were built around local hospitals, multispecially clinics, and some insurance organizations. The integrated systems all have advanced EMR and
 analytics. Most provide their members with very effective personal health avatars (digital
 coaches), focus on prevention and can enhance the health of populations enrolled in the
 fully integrated systems.....
- Semi-integrated systems—Another 30% of Americans receive their primary care through semi-integrated systems that receive fee-for-service payments plus incentives or bonuses for health improvements among their patients. They also receive monthly payments for each person in their panel for providing preventive services and being available for phone and email contact. Trimary care providers in this group have well-developed tRMs. Many provide patients with their health avatar (or can integrate the patient-acquired avatar's information into their system). Most are certified as PCMH and have well developed primary care teams. Most community health centers are in this group.....
- Fee-for-service—The remaining 30% of primary care occurs in fee-for-service models. For the affluent, "concierge" practices offer primary care to closed panels of patients who pay an additional fee for preferred access to providers via phone, e-mail, virtual reality, and in-person visits.
- Patients of most concierge practices can buy sophisticated health avatars linked to the
 practice. Some solo and small group physicians remain, particularly in rural areas and poor innercity neighborhoods.......



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Access

You need to be sure to have the right patients with the right conditions at the right time This can be a nightmare. Technology helps timetabling



Why Avatars ?Why not mannekins?

- Allows learners to examine short and long term consequences of their decisions
 - on the patient
 - the healthcare team
- Concentrates on emotional intelligence and logic –not physical

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Reference for Virtual Patients and KAVE

Bracegirdle, L. Chapman, S.R. Programmable Patients: Simulation of Consultation Skills in a Virtual Environment. Bio-Algorithms and Med-Systems 2010, Vol. 6 (No. 11), pp.111-115











IPE exercise; qualitative results

"...covered both the non verbal communication and the clinical side of things"

" ...that when there is a clear mutual understanding of the roles and responsibilities of others it is really east to work as an effective team" Pharmacy Students

"Very engaging method of teaching. Good for active learners such as myself"

"learnt definition of roles in a clinical setting- using multi-professional tools. Testing knowledge and being able to discuss"

Nursing Students

"Picked up team working skills " "Role clarification"

Medical Students





Virtual Patient Weblinks •Keele KAVE Video http://www.keele.ac.uk/pharmacy/vp/kave/kave_video/ •Virtual Patient Demonstration http://www.keele.ac.uk/pharmacy/vp/vpdemo/

BBC: Virtual Patients
http://news.bbc.co.uk/1/hi/england/7990149.stm
BBC: KAVE http://www.bbc.co.uk/news/uk-england-stoke-staffordshire-14392477



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Further Information

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