

Challenges and opportunities of using virtual patients in xMOOCs

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Behavioral Medicine: A Key to better Health

- The science of changing behavior to improve health and quality of life
- Topics: stress and coping, sleep, physical activities, everyday behaviors
- Course run 9 Sep–21 Oct.
- Clinical case-based course
- Two VPs: Week 2, stress problems, Week 3, sleep problems



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Watch the Course Intro Video

Behavioral Medicine

Behavioral Medicine: A Key to Better Health

Learn how to change everyday behaviors for healthier lives using basic behavioral medicine concepts. Test yourself with virtual patient scenarios.

About this Course

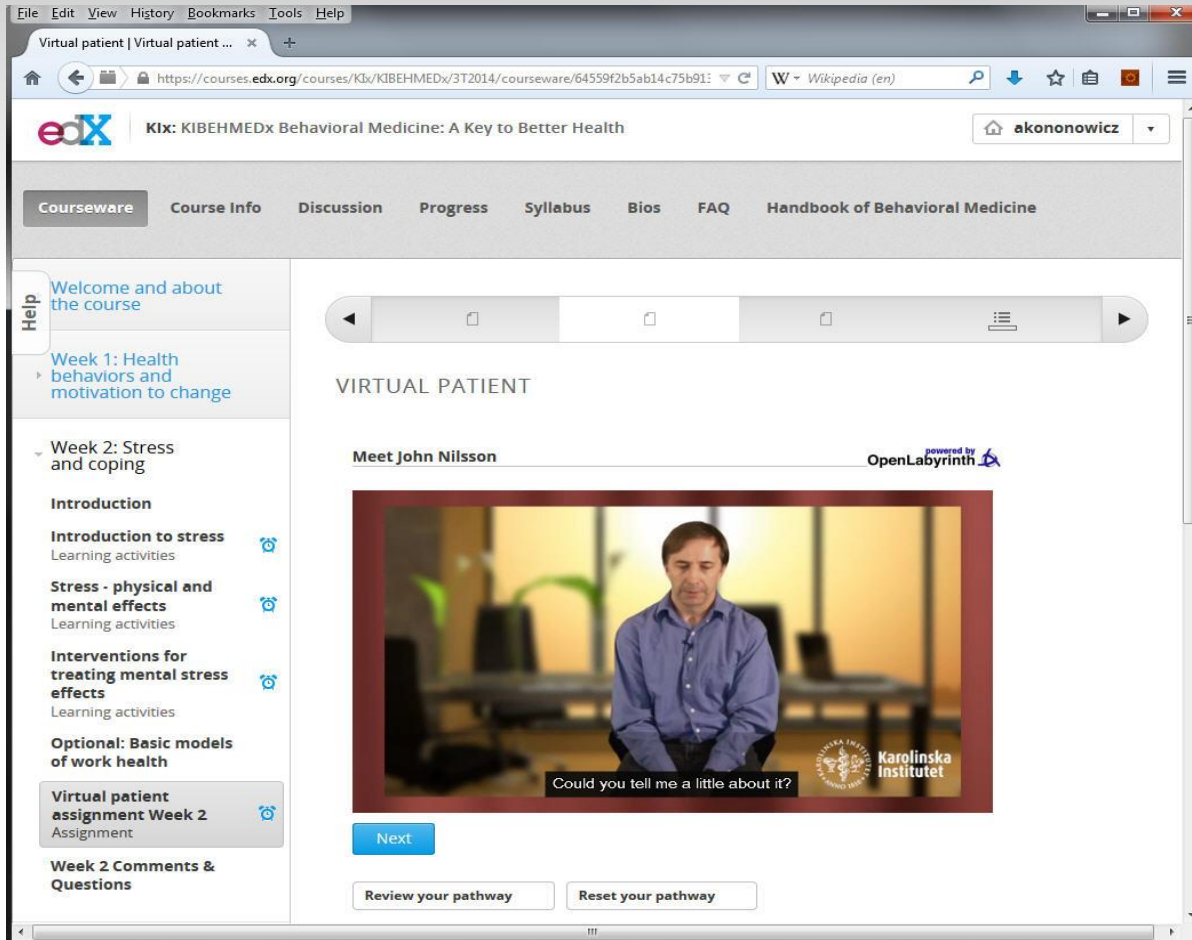
Behavioral medicine is the science of changing our behavior, so we as

School:	KIx
Course Code:	KIBehMedx
Classes Start:	9 Sep 2014
Course Length:	5 weeks
Estimated effort:	5-8 hours/week
Prerequisites:	None

[Register for KIBEHMEDx](#)

Course staff: Anne H. Berman, Sakari Suominen, Gabriele Biguet

VPs in Behavioral Medicine MOOC



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Virtual patient | Virtual patient ... x

https://courses.edx.org/courses/KIx/KIBEHMEDx/3T2014/courseware/64559f2b5ab14c75b91: W - Wikipedia (en)

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Courseware Course Info Discussion Progress Syllabus Bios FAQ Handbook of Behavioral Medicine

Help

Welcome and about the course

Week 1: Health behaviors and motivation to change

Week 2: Stress and coping

Introduction

Introduction to stress Learning activities

Stress - physical and mental effects Learning activities

Interventions for treating mental stress effects Learning activities

Optional: Basic models of work health

Virtual patient assignment Week 2 Assignment

Week 2 Comments & Questions

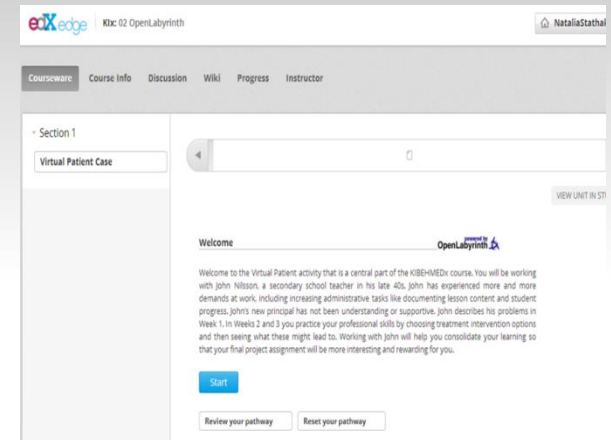
VIRTUAL PATIENT

Meet John Nilsson powered by OpenLabyrinth

Could you tell me a little about it?

Next

Review your pathway Reset your pathway



edXedge KIx: 02 OpenLabyrinth NataliaStathal

Courseware Course Info Discussion Wiki Progress Instructor

- Section 1

Virtual Patient Case

VIEW UNIT IN ST

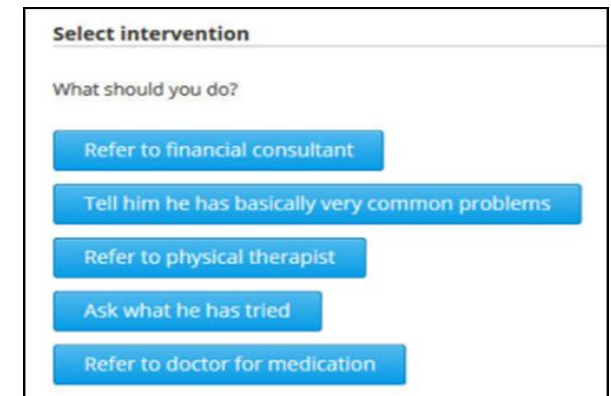
Welcome

powered by OpenLabyrinth

Welcome to the Virtual Patient activity that is a central part of the KIBEHMEDx course. You will be working with John Nilsson, a secondary school teacher in his late 40s. John has experienced more and more demands at work, including increasing administrative tasks like documenting lesson content and student progress. John's new principal has not been understanding or supportive. John describes his problems in Week 1. In Weeks 2 and 3 you practice your professional skills by choosing treatment intervention options and then seeing what these might lead to. Working with John will help you consolidate your learning so that your final project assignment will be more interesting and rewarding for you.

Start

Review your pathway Reset your pathway



Select intervention

What should you do?

Refer to financial consultant

Tell him he has basically very common problems

Refer to physical therapist

Ask what he has tried

Refer to doctor for medication

VPs in Behavioral Medicine MOOC

- Enrollment: 19236 learners
- USA , India and UK most represented countries
- Activity: 2458 and 1806 participants declared completing the VPs of weeks 2 and 3
- Participants feedback: great majority agreed that VPs were a helpful exercise

VPs users' pathways

- Visual Analytics to display large datasets (almost 6000 initiated user sessions)
- Visualization of the most / less visited nodes
- Feedback on learners' choices
- Visual Analytics may inform future VP designing

Conclusion

- First reported experience of VPs in a MOOC
- Open Labyrinth VP system hosted on the VPH Share cloud provided a stable computing platform <http://vph-share.eu/>
- Positive feedback of the Behavioral Medicine MOOC participants
- Few technical challenges reported
- Opportunities of the 6000 participants traces
- Future research: user navigation analysis, insights on learning process

Thank you for your attention!