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The Global Health "Interactive Curricula Experience (iCE) Platform & App": Technology that Enables Inter-professional Innovation

James Plumb, MD, MPH

Jefferson College of Population Health, Thomas Jefferson University

Nicholas Leon, PharmD

Thomas Jefferson University

Louis N. Hunter, PT, DPT

Thomas Jefferson University

Martha Langley Ankeny, M.Ed

Thomas Jefferson University

Ellen Plumb, MD

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Thomas Jefferson University



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Authors

James Plumb, MD, MPH; Nicholas Leon, PharmD; Louis N. Hunter, PT, DPT; Martha Langley Ankeny, M.Ed; Ellen Plumb, MD; and Lucille B. Pilling, EdD, MPH, RN

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**James Plumb MD, MPH, Nicholas Leon PharmD
Louis Hunter PT, DPT, Martha Ankeny MEd
Ellen Plumb MD, Lucille Pilling EdD, MPH, RN**

Presenter Disclosures

James Plumb MD, MPH

(1) The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

No Relationships to Disclose



Jefferson™

Thomas Jefferson University, located in Philadelphia, is dedicated to the health sciences and **community health** via education, research, and health services *to improve the health of the populations we serve.*



Background

Center for Teaching and Learning (CTL)

- Promotes teaching excellence and effective student learning through the use of advanced education techniques, effective information technologies, and models of best practices in order to foster creativity, collaboration, and innovation.
- The Center provides service to all Jefferson faculty, staff, and students, helping each achieve their goals in class and in practice.

About the *Interactive Curricula Experience (iCE)*

- The "interactive Curricula Experience (iCE) Platform & App" is an innovative technology that is timely and important for medical educators.
- It is a content management system that facilitates the organization and delivery of Jefferson-developed content for faculty.
- iCE provides a mechanism to rapidly create new learning objects/course content that can be accessed, used as is, or duplicated and modified by instructors for use in different courses.
- The courseware is available to students via iPad, as well as on laptop and desktop computers.
- It enables migration to new academic models with engaging content that encourages exploration.

Background

Global Health Initiatives Committee (GHIC)

- Serves the Jefferson community as the *point of engagement* for students & faculty interested in medical and public health issues that transcend national boundaries
- Creates an *institutional focus* on preparing students for public service careers in population health and public policy at local, national, and global levels

Goal

To enable all TJU faculty to:

- Deliver global health education, in a friendly, interactive format
 - Does not require an expert to deliver
 - Can be used in very small or large pieces depending on needs

iCE Dashboard Used to Develop a Global Health Module

- Built utilizing existing curricula and up-to-date evidence based research
- Utilizes multiple methodologies to draw attention to key issues, terminology, and information; these include: “watch and learn” animation, hot spots, meters, timelines, decision trees.
- Fluidly adapts and incorporates the newest information, crises, global summits, and events
- Monitored continuously and periodic quantitative and qualitative evaluations with instructors and students are planned.

Global Health in the Classroom: List of GHIC Modules

- **Intro to Global Health - Topics, History & Trends**
- The Role of Culture in Global Health
- **Using Medical Interpreters**
- Measuring Global Health
- **Social, Economic and Political Dimensions/Determinants of Global Health**
- Human Rights Dimensions of Global Health – Ethics, Health, Equity
- Healthcare Delivery Systems
- Global Health Policy
- **Communicable Diseases**
- **Non-communicable Diseases**
- **Women's and Children's Health**
- Nutrition and Mental Health
- The Global Response/Disasters
- Environmental Dimensions of Global Health




 **MY DASHBOARD**

 **SEARCH**

 **CLASSES**

 **MODULES**

 **TOPICS**

 **OBJECTS**

 **ICE HOME**

My Dashboard

Your dashboard shows you all content you have entered into iCE. If you wish to add a new collection or object, click the appropriate button.



ADD CLASS



ADD MODULE



ADD TOPIC



ADD OBJECT

Class

The screenshot shows an iPad app interface with a top status bar displaying 'iPad', signal strength, '11:14 AM', and battery level at '100%'. A yellow oval highlights the top navigation bar, which includes a 'Home' icon and the text 'LI 002: Global Health' with '3 Modules Available' below it. The main content area is divided into a left sidebar and a main content pane. The sidebar lists various courses and resources, with 'LI 002: Global Health' highlighted in orange. The main content pane displays details for the selected course, including the title 'Introduction to Global Health', author 'Martha Ankeny', and 'Added 08/10/2015 | 7 Topics'. Below this, there are sections for 'Working with Medical Interpreters' and 'Non-communicable diseases', both by Martha Ankeny. To the right of the main content pane, there are several promotional cards: 'MC Retreat 2015 Agenda and Information', 'NEW HFD Schedule' (with a photo of a nurse), 'A Deeper Dive into Cultural Competence' (with a photo of a person), and 'Cultural Empathy & Humility'. At the bottom, there is a card titled 'Who Am I?' with the text 'Learn how to define yourself'.

Home

LI 002: Global Health
3 Modules Available

Universal Search

State Authorization
000

PHARM
000 Preventive Healthcare and Self-Care Issues

LI
001 Martha Ankeny- Staging Class

LI
002 LI 002: Global Health

OIA
100 International Students & Scholars

ICE
101 Meet iCE: Jefferson's Interactive Curricula

CTL
101 iCE Orientation and Training

ICE
102 iCE Workshop Materials

TEST
325 Denise Brown- Staging Class

TEST
N... Julia Ward- Staging Class

TFP
Telehealth Facilitator

Introduction to Global Health
Martha Ankeny
Added 08/10/2015 | 7 Topics

Working with Medical Interpreters
Martha Ankeny
Added 08/10/2015 | 4 Topics

Non-communicable diseases
Martha Ankeny
Added 08/10/2015 | 1 Topic

MC Retreat 2015
Agenda and Information

NEW HFD Schedule

The HFD Schedule has been upgraded to reflect University closures due to the Papal visit. Changes affect Weeks 8, 9 and 10

A Deeper Dive into Cultural Competence

A collection of resources to help you on your journey

Cultural Empathy & Humility

Learn to think from a culturally empathetic perspective

Who Am I?
Learn how to define yourself

Module

The screenshot shows an iPad app interface with a top status bar displaying 'iPad', signal strength, '11:14 AM', and battery level at '100%'. The app has a blue navigation bar with a home icon and the text 'Home'. Below this is a vertical list of course categories on the left, including 'Universal Search', 'State Authorization', 'Preventive Healthcare and Self-Care Issues', 'Martha Ankeny- Staging Class', 'LI 002: Global Health', 'International Students & Scholars', 'Meet iCE: Jefferson's Interactive Curricula', 'iCE Orientation and Training', 'iCE Workshop Materials', 'Denise Brown- Staging Class', 'Julia Ward- Staging Class', and 'Telehealth Facilitator'. The main content area features several course cards. The card for 'Introduction to Global Health' by Martha Ankeny, added on 08/10/2015 with 7 topics, is circled in yellow. Other visible cards include 'Working with Medical Interpreters', 'Non-communicable diseases', 'MC Retreat 2015', 'NEW HFD Schedule', 'A Deeper Dive into Cultural Competence', and 'Cultural Empathy & Humility'. The 'NEW HFD Schedule' card includes text about University closures due to the Papal visit. The 'A Deeper Dive into Cultural Competence' card describes a collection of resources. The 'Cultural Empathy & Humility' card encourages thinking from a culturally empathetic perspective.

Home

Universal Search

State Authorization

PHARM 000 Preventive Healthcare and Self-Care Issues

LI 001 Martha Ankeny- Staging Class

LI 002 LI 002: Global Health

OIA 100 International Students & Scholars

ICE 101 Meet iCE: Jefferson's Interactive Curricula

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ICE 102 iCE Workshop Materials

TEST 325 Denise Brown- Staging Class

TEST N... Julia Ward- Staging Class

TFP Telehealth Facilitator

LI 002: Global Health

3 Modules Available

Introduction to Global Health

Martha Ankeny
Added 08/10/2015 | 7 Topics

Working with Medical Interpreters

Martha Ankeny
Added 08/10/2015 | 4 Topics

Non-communicable diseases

Martha Ankeny
Added 08/10/2015 | 1 Topic

MC Retreat 2015

Information

NEW HFD Schedule

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A Deeper Dive into Cultural Competence

A collection of resources to help you on your journey

Cultural Empathy & Humility

Learn to think from a culturally empathetic perspective

Who Am I?

How to define yourself

Topic

The image shows a screenshot of an iPad application interface. At the top, the status bar displays 'iPad', signal strength, '11:45 AM', and '98%' battery. The app's header is orange with the text 'LI 002: Global Health' and a home icon. Below the header is a sidebar menu with a search icon and several topic entries, each with a checkmark icon. The 'Introduction to Global Health' entry is circled in yellow. The main content area has a blue header with the text 'Introduction to Global Health' and a checkmark icon. Below this is a large blue banner with the text 'GLOBAL HEALTH?' and a paragraph starting with 'an economic and social development. The health of each of us is linked to the health of all of'. Below the banner is a white section with the text 'definition' and 'Global Health'. The text 'Global Health' is followed by a paragraph: 'Global Health signifies a not only to improving to achieving true n and among peoples. interest in health issues and interdisciplinary study, and'. On the right side of the screen, there is a video player showing a person holding a sign that says 'Why do you care about global healthcare? I CARE BECAUSE...'. Below the video is a link to 'IHME U.S. Health Map' and a link to 'A daily summary of global health policy news produced by Kaiser Family Foundation'. At the bottom right is the 'KAISER' logo.

iPad 11:45 AM 98%

LI 002: Global Health

Introduction to Global Health

Introduction to Global Health
Martha Ankeny
Added 08/10/2015 | 7 Topics

Working with Medical Interpreters
Martha Ankeny
Added 08/10/2015 | 4 Topics

Non-communicable diseases
Martha Ankeny
Added 08/10/2015 | 1 Topic

GLOBAL HEALTH?

an economic and social development. The health of each of us is linked to the health of all of

Global Health

definition

Global Health

Global Health signifies a not only to improving to achieving true n and among peoples. interest in health issues and interdisciplinary study, and

Why Do you Care About Global Health?
I CARE BECAUSE...

IHME U.S. Health Map

A daily summary of global health policy news produced by Kaiser Family Foundation

KAISER

Topics

The Multiple Determinants of Global Health

<https://ice.jefferson.edu/node/4789>

Communicable Disease

<https://ice.jefferson.edu/node/1204>

Linear “Timeline” Object

FEDERAL MANDATES

Timeline: 1964, 1998, 2000, 2008, 2013

1998
CIVIL RIGHTS ACT
CIVIL RIGHTS AND RESPONSIBILITIES

2000
EXECUTIVE ORDER 13166:
"IMPROVING ACCESS TO SERVICES
FOR PERSONS WITH LIMITED
ENGLISH PROFICIENCY"

**EXECUTIVE ORDER 13166:
"IMPROVING ACCESS TO
SERVICES FOR PERSONS WITH
LIMITED ENGLISH PROFICIENCY"**

Requires federal agencies that provide federal financial assistance to develop guidance to clarify the language access obligations of recipients of such assistance.

http://www.lep.gov/faqs/faqs.html#Two_EO13166_FAQ

2008
THE JOINT COMMISSION

SWIPE FOR MORE

Meter Object

WHAT PERCENTAGE OF THE ENTIRE POPULATION IN THE U.S. (ABOVE THE AGE OF 5) SPEAKS A LANGUAGE OTHER THAN ENGLISH AT HOME?

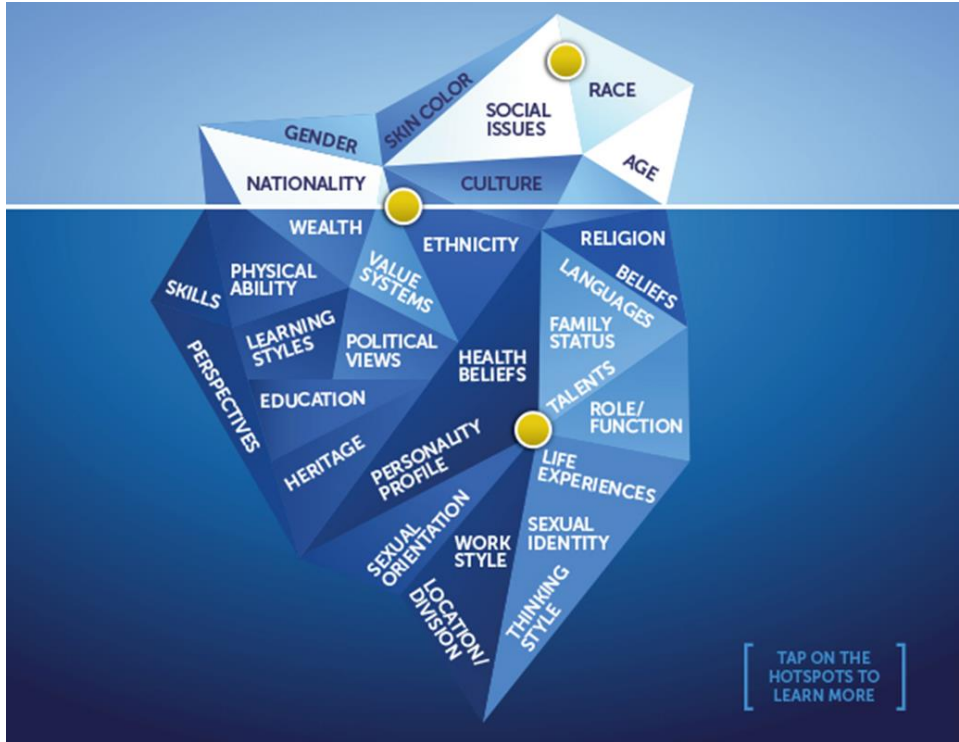
TAP AND DRAG METER TO GUESS PERCENTAGE

0 %

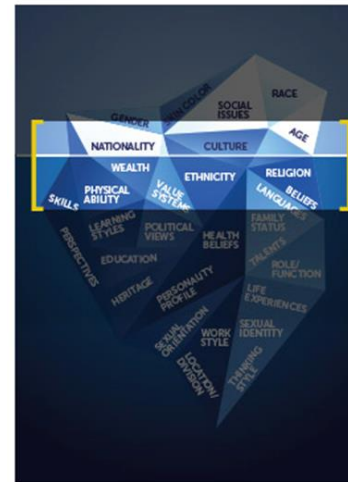
0% 25% 50% 75% 100%

Working with Medical Interpreters

Hotspot Object



PRESUMPTIVE CULTURE



This layer of culture presents attributes that may seem readily observable but much of the meaning is not explicitly apparent without interaction and inquiry. It includes concepts like:

- Nationality
- Physical Ability
- Ethnicity
- Wealth
- Social Status
- Culture
- Religion
- Living Environment

This layer is partially observable and may lead to assumptions that support unconscious stereotypes. Example: This person is dressed in old clothing and therefore must be poor.

Cultural Empathy and Humility

Next Steps and Challenges

- Entire module could be used in a classroom “lecture”
- A particular topic(s) and/or object(s) within a module could be used in the classroom to be incorporated into something one already does
- Could post module (or any combination of its components) in Blackboard Learn for students to use for an assignment or as a study aid
- Use a module and add discipline-specific content to it
- Combine different components (topics and objects) to form your own module
- The ongoing challenge is having to continuously update the information.
- Faculty monitor websites and review relevant articles, reports, conferences, webinars and post them to iCE modules.