



DEFENSE CENTERS
OF EXCELLENCE

For Psychological Health
& Traumatic Brain Injury

Integrating Technology into DoD Efforts to Promote Psychological Health

Nov. 20, 2014; 1-2:30 p.m. (EDT)

Presenters:

Don Workman, Ph.D.

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Moderator:

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Clinical Information Systems Specialist

Defense Health Agency, Healthcare Operations, Clinical Support

Division

Falls Church, Va.



Webinar Details

- Live closed captioning is available through Federal Relay Conference Captioning (see the “Closed Captioning” Pod)
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 - Dial: CONUS **888-877-0398**; International **210-234-5878**
 - Use participant pass code: **3938468**
- Question-and-answer (Q&A) session
 - Submit questions via the Q&A Pod

Resources Available for Download

Today's presentation and resources are available for download in the "Files" Pod on the screen, or visit www.dcoe.mil/Training/Monthly_Webinars.aspx

DCoE TBI Webinar - Adobe Connect

Meeting

DCoE TBI January 2014 Webinar

Full Screen

Help

Q & A

Files for Download

Name	Size
Back to School Guide to Academic Suc...	1 MB
Neuroimaging Following mTBI Clinical	313 KB
Neuroendocrine Dysfunction Screening	268 KB
Disinjury Associated with mTBI Refere...	302 KB

Save To My Computer

Web Links

DCoE Website

DVBIC Website

DHCC Website

Browse To: <https://ice.disa.mil/index.cfm?fa=c...>

Public Chat (Everyone)

Closed Captioning - DCoE TBI Webinar

18 pt. White (B)

No Captions

Waiting for Captions

Today's webinar:
State of the Science: Clinical, Metabolic and Pathologic Effects of Multiple Concussions
January 16, 2014, 1-2:30 p.m. (EST)
Moderator: Donald Marion, M.D., M.Sc.
Clinical Affairs Senior Advisor
Defense and Veterans Brain Injury Center
Silver Spring, Md.

DVBIC DHCC

Continuing Education Details

- DCoE's awarding of continuing education (CE) credit is limited in scope to health care providers who actively provide psychological health and traumatic brain injury care to active-duty U.S. service members, reservists, National Guardsmen, military veterans and/or their families.
- The authority for training of contractors is at the discretion of the chief contracting official.
 - Currently, only those contractors with scope of work or with commensurate contract language are permitted in this training.
- All who registered **prior** to the deadline on **Thursday, Nov. 20, 2014**, at 3 p.m. (EST) and meet eligibility requirements stated above are eligible to receive CE credit or a certificate of attendance.

Continuing Education Details (continued)

- If you pre-registered for this webinar and want to obtain a CE certificate or a certificate of attendance, you must complete the online CE evaluation and post-test.
- After the webinar, visit <http://continuingeducation.dcri.duke.edu> to complete the online CE evaluation and post-test, and download your CE certificate/certificate of attendance.
- The Duke Medicine website online CE evaluation and post-test will be open through **Thursday, Nov. 27, 2014**, until 11:59 p.m. (EST).

Continuing Education Details (continued)

- Credit Designation – The Duke University School of Medicine designates this live webinar for:
 - 1.5 AMA PRA Category 1 Credit(s)

- Additional Credit Designation includes:
 - 1.5 ANCC nursing contact hours
 - 0.15 IACET continuing education credit
 - 1.5 NBCC contact hours credit commensurate to the length of the program
 - 1.5 contact hours from the American Psychological Association (APA)
 - 1.5 NASW contact hours commensurate to the length of the program for those who attend 100% of the program

Continuing Education Details (continued)

- **ACCME Accredited Provider Statement** – The Duke University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.
- **ANCC Accredited Provider Statement** – Duke University Health System Department of Clinical Education & Professional Development is accredited as a provider of continuing nursing education by the American Nurses Credentialing Center's (ANCC's) Commission on Accreditation. 1.50 ANCC nursing contact hours are provided for participation in this educational activity. In order to receive full contact-hour credit for this activity, you must attend the entire activity, participate in individual or group activities such as exercises or pre/post-tests, and complete the evaluation and verification of attendance forms at the conclusion of the activity.
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Duke University Health System Clinical Education & Professional Development has been approved as an Authorized Provider by the International Association for Continuing Education & Training (IACET), 1760 Old Meadow Road, Suite 500, McLean, VA 22102. In obtaining this approval, Duke University Health System Clinical Education & Professional Development has demonstrated that it complies with the ANSI/IACET 1-2007 Standard, which is widely recognized as the standard of best practice in continuing education internationally. As a result of Authorized Provider status, Duke University Health System Clinical Education & Professional Development is authorized to offer IACET CEU's for its programs that qualify under the ANSI/IACET 1-2007 Standard.

Continuing Education Details (continued)

- **NBCC:** Southern Regional Area Health Education Center (AHEC) is a National Board for Certified Counselors and Affiliates, Inc.(NBCC)-Approved Continuing Education Provider (ACEP™) and a cosponsor of this event/program. Southern Regional AHEC may award NBCC-approved clock hours for events or programs that meet NBCC requirements. The ACEP maintains responsibility for the content of this event. Contact hours credit commensurate to the length of the program will be awarded to participants who attend 100% of the program.
- **Psychology:** This activity complies with all of the Continuing Education Criteria identified through the American Psychological Association (APA) Continuing Education Requirements.
- **NASW:** National Association of Social Workers (NASW), North Carolina Chapter: Southern Regional AHEC will award contact hours commensurate to the length of the program to participants who attend 100% of the program.



Questions and Chat

- Throughout the webinar, you are welcome to submit technical or content-related questions via the Q&A pod located on the screen. **Please do not submit technical or content-related questions via the chat pod.**
- The Q&A pod is monitored during the webinar; questions will be forwarded to presenters for response during the Q&A session.
- Participants may chat with one another during the webinar using the chat pod.
- The chat function will remain open 10 minutes after the conclusion of the webinar.

Webinar Overview

Many behavioral health providers are beginning to incorporate modern technologies into the psychotherapy relationship and process, often at the encouragement of patients who bring apps and downloaded Internet material into clinical settings. This presentation will articulate various opportunities for enhancing the therapeutic impact inherent in several current technologies including web and mobile applications, simulations, and distance collaboration technologies and will highlight the necessary steps for moving forward with an integrated model of behavioral health care.

During this webinar participants will learn to:

- Understand and articulate reasons why the standard of practice in behavioral health does not currently incorporate the use of modern technologies to include web and mobile applications and distance collaboration technologies
- Describe some promising opportunities for improving behavioral health care through the use of these technologies as an adjunct to standard treatment
- Outline the steps needed for moving forward with the integration of these technologies into their standard practice

Don Workman, Ph.D.

- Director of Emerging Technologies Program at the National Center for Telehealth and Technology at Joint Base Lewis-McChord.
- Licensed clinical psychologist and holds a doctoral degree in clinical psychology as well as a master's degree in theology.
- More than 20 years of experience in providing psychological services and consultation in the inpatient primary care, psychiatric, and rehabilitation settings as well as outpatient behavioral health.
- Previously served as Vice President of Business Development at Western Institutional Review Board (WIRB), Associate Vice President for Research Operations at Northwestern University and was responsible for the administration of the Human Subject Protection Programs at the University of Illinois at Chicago and St. Jude Children's Research Hospital.

Robert Ciulla, Ph.D.

- Ph.D. in Clinical Psychology.
- Director of the Mobile Health Program at the National Center for Telehealth and Technology at Joint Base Lewis-McChord.
- Program is focused on developing psychological resources across a spectrum of technology platforms to meet the needs of the military community, particularly website development and mobile applications.
- Dedicated to ensuring the military system is attuned to mobile health concepts as it moves toward a system for health.
- He leads development of mHealth solutions supporting service members, veterans, and military families.



DEFENSE CENTERS
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& Traumatic Brain Injury

Integrating Technology into DoD Efforts to Promote Psychological Health

Don E. Workman, Ph.D.
Chief of the Emerging Technologies Program

Robert Ciulla, Ph.D.
Chief of the Mobile Health Program

National Center for Telehealth and Technology (T2)



Disclosure

- The views expressed in this presentation are those of the presenters and do not reflect the official policy or position of the Department of the Defense or the U.S. Government.
- We have no relevant financial relationships to disclose.
- We will be discussing web and mobile applications that have been developed by the Defense Department, including those developed by the National Center for Telehealth and Technology (T2). Some of these applications may fall under FDA device regulations, and in those cases we will consult with the USAMRMC Division of Regulated Activities and Compliance for guidance.

Learning Objectives

- Understand and articulate reasons why standard of practice in behavioral health does not currently incorporate the use of modern technologies (including web and mobile applications and distance collaboration technologies).
- Describe some of the promising opportunities for improving behavioral health care through the use of these technologies as an adjunct to standard treatment.
- Outline the steps needed for moving forward with the integration of these technologies into the learners standard of practice.

Integrating Technology

- Why is it essential?
- Why is it not yet standard of care?
- How do we move toward the “tipping point?”

Why Technology Needs to be Integrated

- Counter Impact of Stigmatization (IOM, 2012)
- Improve Access to Care
- Improve Quality of Care Experience
- Lower per capita Cost
- Utilize the “white space” for prevention and treatment

“It is increasingly urgent for psychologists to confront the difficult questions raised by the way that information and communication technologies are altering not only health care, but also the human experience worldwide...”

(Maheu, M. M., Pulier, M. L., McMenamin, J. P., & Posen, L., 2012, p. 613)

Active Duty Service Members

- Technology is often at the heart of:
 - Their work
 - Their play
 - Their knowledge-seeking
 - Their love life
 - Their connection to family and friends
- The Premack Principle (Premack, D., 1959)

eWork



Photo by [Lt. Col. Deanna Bague www.dvidshub.net](http://www.dvidshub.net)

ePlay



Photo by: [Spc. Kelly Lecompte www.dvidshub.net](http://www.dvidshub.net)



Credit: Multi-National Corps - Iraq Publ

<http://www.dvidshub.net/image/4825/life-camp-victory>

eRelationships



Photo by: [Senior Airman Daniel Hughes www.dvidshub.net](http://www.dvidshub.net)

Why Is it Not Yet Standard of Care?

- The Digital Divide (Prensky, M., 2001)
 - Digital Natives
 - Digital Immigrants
- Multiple digital divides
 - Culture
 - Technology Availability
 - Access (SES, and geolocation)
 - Literacy
- Ethical and Legal Concerns

How Do We Move Toward the Tipping Point?

- Innovative Thought Leadership
- Empirical Support
- Education and Training
 - Skills Acquisition
 - Peer Consultation
- Changing Provider behavior (knowledge transfer)

PTSD Experience in Second Life



Photo by: University of Southern California, Institute for Creative Technologies

Impact of Immersive Simulation on Attitudes and Learning

- Better understanding of
 - the causes of PTSD
 - Symptoms of PTSD
 - Treatments for PTSD
- More likely to seek treatment or refer to treatment

Improved Access to Care and Experience of Care



Photo by: Kevin Holloway, Ph.D.

Pilot Study of EBP in VW

	PCL-M	BDI-II	BAI
Patient 1			
Pre	31	13	7
Post	17	4	2
Patient 2			
Pre	56	33	20
Post	38	19	8

Holloway, K., personal communication (2013)

PE Coach

The first mobile application that supports all of the patient-centered elements of an evidence-based psychotherapy for PTSD

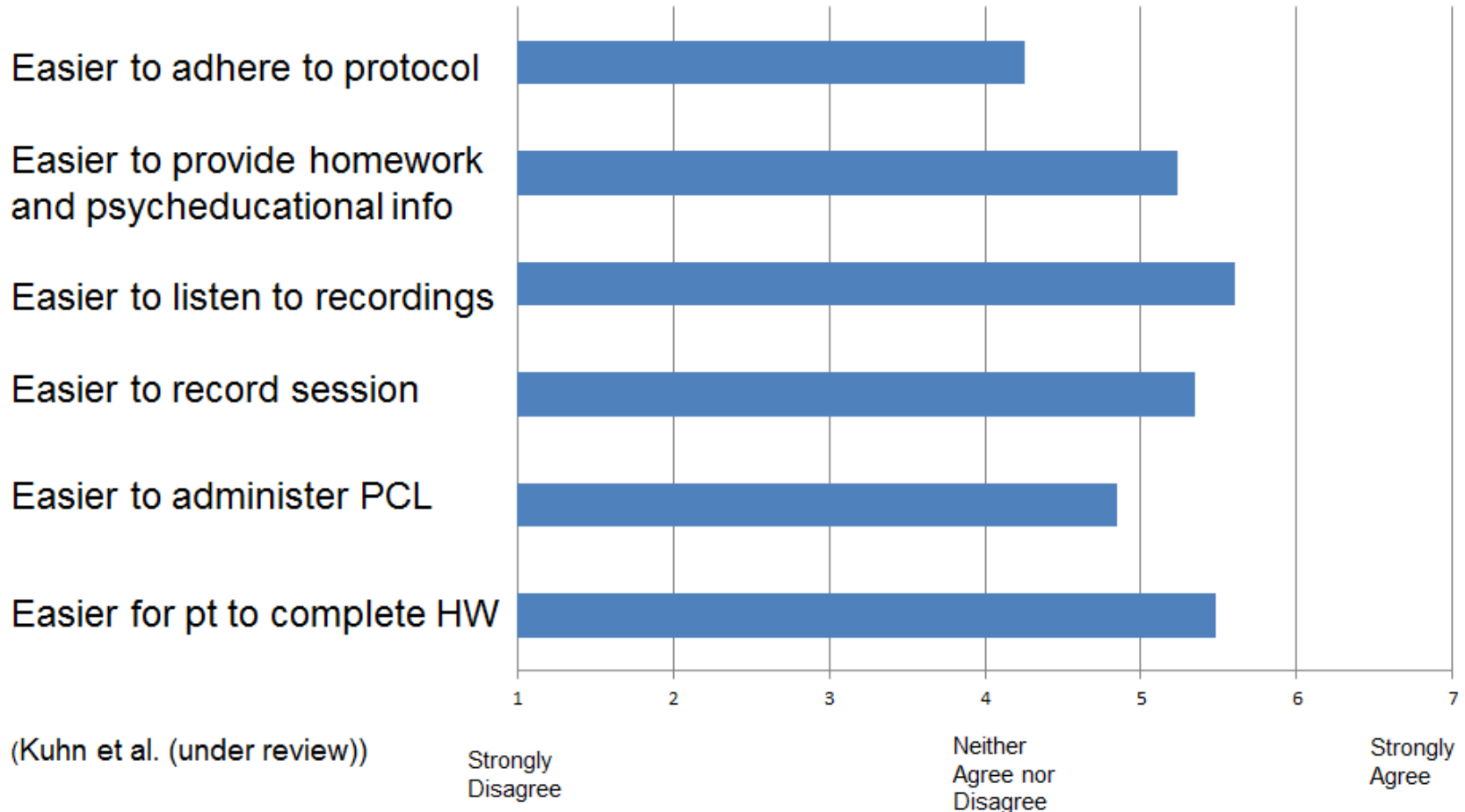
Features:

- Session homework
- Hip-pocket convenience
- Confidentiality
- Available therapist guide
- Session audio recording
- Assessment result tracking
- Disabled veteran accessible



Perceived Value

N = 163 PTSD Providers

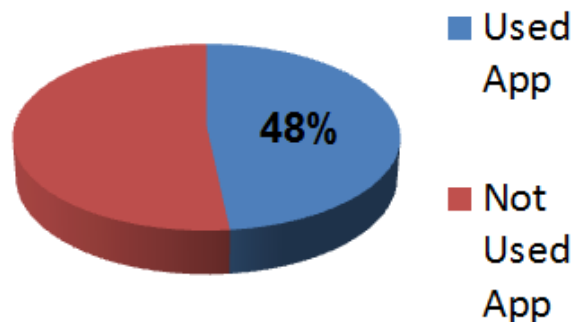


(Kuhn et al. (under review))

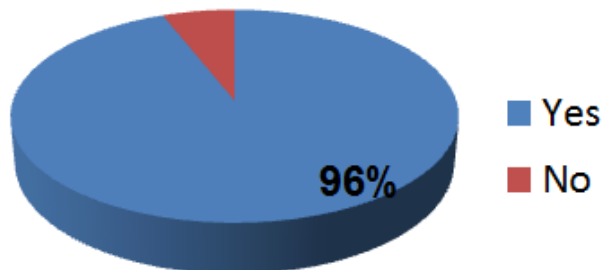
PE Provider Community and PE Coach

N = 271 PE Trained
PTSD Providers

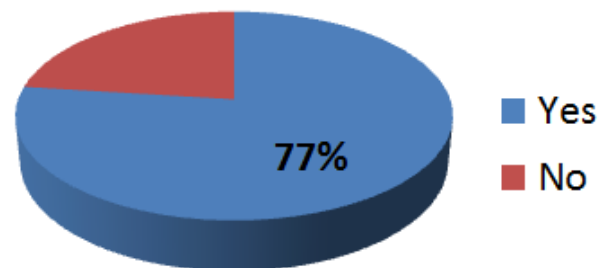
Provider Implementation



Intend Continued Use?

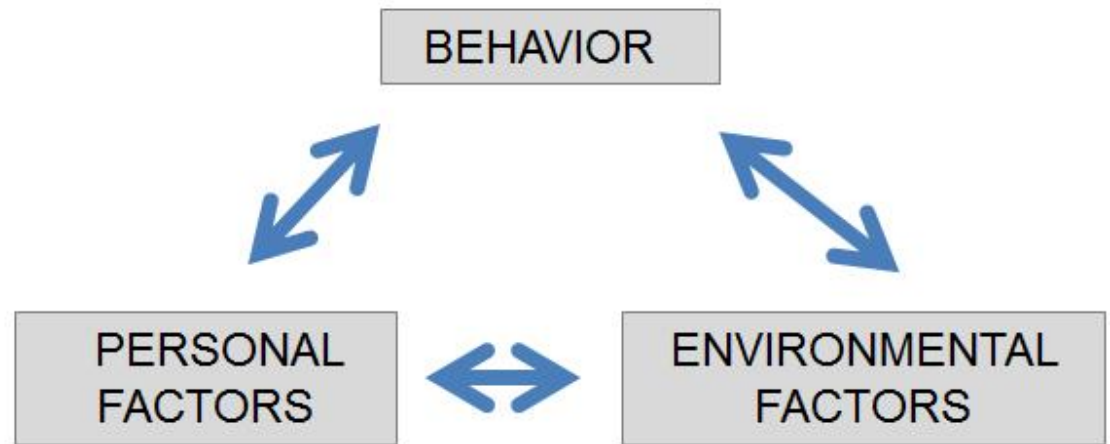


If Not Using, Intend to Use it in the Future?



(Kuhn, Eftekhari, Hoffman, Crowley, Ramsey, Reger & Ruzek, 2014)

Bandura's Self-Efficacy Theory



(King, D.B., Viney, W., and Woody, W.D., 2013)

Technology

- A familiar tool for getting the “upper hand”
- Ego-syntonic “self-extender”
- Enhances the sense of self-efficacy
- May facilitate reconstruction of the self and identity to embrace a “disabled identity” into the larger self

References

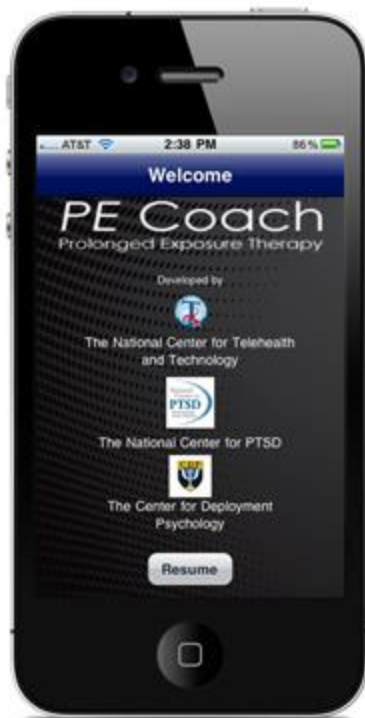
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Contact Information

PE Coach



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Agenda

- Mobile Health
 - Definition/ Adoption/ Potential
- Health Tech on the Horizon
- Next Steps

Mobile Health is *the use of mobile and wireless devices to improve health outcomes, healthcare services and health research.*

Defined by a National Institutes of Health (NIH) consensus group

[\(Free, C., Phillips, G., Felix, L., Galli, L., Patel, V., & Edwards, P., 2010\)](#)

Key Developments in Health Care

- A healthcare system to a *system for health*
- The “activated” patient (empowerment)
- The whitespace/ litespace
- Tracking/ quantification (the quantified self)
- Interoperable systems
- Access to resources
- “Anytime, anywhere, and securely”

Mobile Health (mHealth) is transforming healthcare

Web... Mobile... Is there a Difference?

56%: “multi-platform” users

(Lella, Lipsman, & Dryer, 2014)

Mobile Friendly Websites



Poll # 1

- Do you use websites to obtain medical information (about yourself or someone else)?
 - Examples: WebMD, Mayo Clinic, MedicineNet, NIH
- If you do access medical info via a website (for you or someone else), how often?
 - Daily/ Weekly/ A Few Times a Month/ Rarely

Poll # 2

- Do you carry at least one health-related app on your personal smartphone?
 - Examples: Activity/ calorie/ heart rate/ chronic conditions

- If you have one or more health apps on your phone, how often do you use such apps?
 - Daily/ Weekly/ A Few Times a Month/ Rarely

Polling Questions: Results

- Use/ frequency of websites for medical info
- Carry smartphone apps/ frequency of use

Web-Based Applications

- 53% of Internet users say the Internet would be, at minimum, “very hard” to give up, compared with 38% in 2006.
- *More than half* of all Americans look online for health information, and *more than one-third* use the Internet for diagnostic information.

[\(Fox & Rainie, 2014; Fox & Duggan, 2013\)](#)

Mobile Applications

- Seeking health information:
 - 1/3 of cell phone and 1/2 of smartphone users
 - 19% of smartphone owners have at least one health app (exercise, diet, weight)
- Cell phones:
 - Adults 53% in 2000 vs. 90% now
- Smartphones:
 - 35% in 2011 vs. 58% now

[\(Fox & Rainie, 2014; Fox & Duggan, 2012\)](#)

Technology Use Comparison

SMs

- 89% own a smartphone (58% Android)
- 65% weekly gamers
- Majority don't own a tablet

PROVIDERS

- 56% own a smartphone (67% iPhone)
- 93% no gaming
- Highest proportion own tablets

(Pew Research, 2014)

An Information Gap

- Are military providers using health technologies in their practice?

Top Ten Technology Adoption Challenges

10. “I still can’t program my DVD player.”
9. “I’m waiting on the IT department.”
8. “I don’t own a smartphone.”
7. “Using tech means more work – I’m already busy.”
6. “I’m still learning the new medical record.”

Top Ten Technology Adoption Challenges

5. “These apps are just a fad.”
4. “Technology doesn’t fit into my clinical orientation.”
3. “Tech will interfere with the therapeutic alliance.”
2. “Patients will be emailing me 24/7.”
1. “Technology is making us more isolated.”



Depression



Start Here!

VIDEO STORIES

1. [What is Depression](#)
2. [Faces of Depression](#)
3. [Are You at Risk?](#)
4. [Treatment](#)
5. [Helpful Habits](#)



Depression Workbook



Depression Assessments



Depression Library



Depression Resources



Personal Stories

afterdeployment Wellness resources for the military community.

LOCATE CHAT CALL Sign Up | Sign In

Home Topics Assessments Videos Community Resources

Post Traumatic Stress Disorder
 Depression
 Anxiety
 Military & Family Support
 Tobacco

Phobias
 Brain Injury
 Substance Abuse
 JAG

Family & Relationships
 Life Skills
 Suicidal Thoughts
 Sleep
 Resilience

Military Sexual Trauma
 Health & Wellness
 Financial Issues

New & Featured

Kids Deploy Tool
MilitaryKidsDeploy.com

inTransition
The National Center for Telehealth & Technology

New Expert Blog
Updated Weekly!

Participate in Research
Environmental Exposures

Real Strength in Action
Watch videos from the Real Warriors Campaign.

REAL WARRIORS • REAL BATTLES
REAL STRENGTH

Health Tip:
Move in good motivation. Positive relationships with co-workers and peers are essential to job success, satisfaction, and health.

Assessments:

- Alcohol and Drugs
- Anger
- Anxiety
- PTSD Symptom Management
- Mental Self-Defense
- Wounded Warrior
- Resilience
- Satisfaction with Life
- Sexual Trauma

MILITARY KIDS PARK TOGETHER, EVERYWHERE.

SAY WHAT'S ON YOUR MIND. CONNECT WITH KIDS LIKE YOU! GET OUR NEW DISCUSSION BOARD!

KIDS age 6 to 9

TWEENS age 10 to 12

TEENS age 13 to 17

Teen Tour

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NATIONAL CENTER FOR TELEHEALTH & TECHNOLOGY

HOME ABOUT T2 PROGRAMS RESEARCH EVENTS

TECHNOLOGY TO MAKE PEOPLE HEALTHY.

Advancing psychological health and traumatic brain injury treatment.

The National Center for Telehealth and Technology (T2) researches, develops, evaluates, and deploys new and exciting technologies for Psychological Health (PH) and Traumatic Brain Injury (TBI) across the Department of Defense (DoD).

T2 is a component center of the Defense Centers of Excellence for Psychological Health and Traumatic Brain Injury (DCoE), which leads a collaborative global network to promote the resilience, recovery and restoration of Warriors and their families who face psychological health and traumatic brain injury issues.

AfterDeployment.org
afterdeployment.org presents their new audio podcast series: "There & Back." The programs in this series are intended to assist service members and their loved ones in managing the challenges that are often faced following a deployment. Learn about depression, post-traumatic stress, managing aggression and anger. LISTEN NOW!

T2 2009 ANNUAL REPORT NOW AVAILABLE
Ensuring superior support and care for the Total Force and their Families is a complex endeavor. But at the National Center for Telehealth & Technology, the goal of our work is clear: leverage technology to truly meet the changing needs of Veterans, Veterans and Families before, during and after deployment. Download a PDF file of the T2 annual report to read more about

PARENTING For Service Members and Veterans

Home About Media Contact

Reintegrating into family is a process and may take some time.

Learn more in **Module 1**

Parenting Course

This free online course features key tools to support your parenting. They include:

- Parenting information and strategies for Service Member and Veteran parents.
- Guidance to help you reconnect with your children after a deployment and beyond.
- Videos of real families' stories, helpful exercises and practical parenting tip sheets.

START THE COURSE

Quick Links

Military Families

MOVING FORWARD OVERCOMING LIFE'S CHALLENGES

What is Moving Forward?

Moving Forward is a free, on-line educational and life coaching program that teaches problem solving skills to help you to better handle life's challenges. It is designed to be especially helpful for military, military Reserve Members, and their families. However, Moving Forward teaches skills that can be useful to anyone with stressful problems. Are you ready to Move Forward? Select the button below to take the Moving Forward Training.

Start The Training

Interested in checking out Moving Forward? The links below will take you into various pages with videos or activities in the course. If you want to return to this page, just close the course window.

Meet the Cast

Does Stress Affect Your Performance?

Is Your Brain Overloaded?

Relaxation Exercises

DoDSER DEPARTMENT OF DEFENSE SUICIDE EVENT REPORT

Welcome

The DoD Suicide Event Report (DoDSER) standardizes suicide surveillance efforts across the services (Air Force, Army, Marine Corps, and Navy) to support the DoD's suicide prevention mission.

The DoDSER program is a collaborative effort among the DoD's Suicide Prevention and Risk Reduction Committee (SPARRC), the Services' Suicide Prevention Program Managers (SPMPs), and the National Center for Telehealth and Technology (T2). The DoDSER is used for a variety of suicide behaviors including suicides, suicide ideation, and some other suicide related behaviors (e.g. deliberate self-harm or some cases in which only suicidal ideation is documented).

Each Service conducts a professional review of records, and conducts interviews where appropriate. This website includes instructions, detailed coding guidance, and complex-based training programs, and the DoDSER webform that collects the comprehensive information about the Service Member and the suicide event.

For more information about DoDSER and other Telehealth and Technology initiatives, please visit www.t2health.org.

Login

In order to login, you must use a DoD Common Access Card (CAC).

Need help? CAC Information or Contact Support

Resources for Families

Military families are extraordinarily dedicated, strong, and resilient. The information and resources on these pages were created specifically to help parents and caregivers face the challenges of deployments, homecomings, changes, and grief. Here, you'll find the support you need when your nation—and your family—needs you most.

Tools

- Mobile Apps
- Downloadable PDF's
- Helpful Links

Topics

- Relocation
- Homecomings
- Staff Expressions

Military Pathways®

Welcome to the Screening Program

Military life, especially deployments or mobilizations, can present challenges to service members and their families that are both unique and difficult. Some are manageable, some are not. Many times we can successfully deal with them on our own. In some instances matters get worse and one problem can trigger other more serious issues. At such times it is wise to check things out and see what is really happening. That's the purpose of these totally anonymous and voluntary self-assessments.

These questions are designed so you can review your situation with regard to some of the more common mental health issues. The screening will not provide a diagnosis – for that you need to see a professional, but, it will tell you whether or not you have symptoms that are consistent with a condition or concern that would benefit from further evaluation or treatment. It will also give you guidance as to where you might seek assistance.

Take an Anonymous Screening

Your Progress Step 1 of 5

Step 1: Welcome

Step 2: Select & Installing

Step 3: Configuration

Step 4: Screening

Step 5: Results & Recommendations

Screening Locator

Select a state from the list below to see if your installation has configured a screening. You will still be able to take the general screening if you cannot find your installation.

Change Language

English | Español

Depression

VIDEO STORIES

- What is Depression
- Faces of Depression
- Are you at Risk?
- Treatment
- Helpful Habits

Depression Assessments

Depression Library

Depression Resources

Personal Stories

Depression Workbook

mobile pp

- **An application (software) made for:**
 - Smartphones (e.g., Blackberry, iPhone, Android, Windows phones)
 - Tablet computers (e.g., iPad, Kindle Fire)
 - Generally available via app stores (Google Play, iTunes, Amazon Appstore)

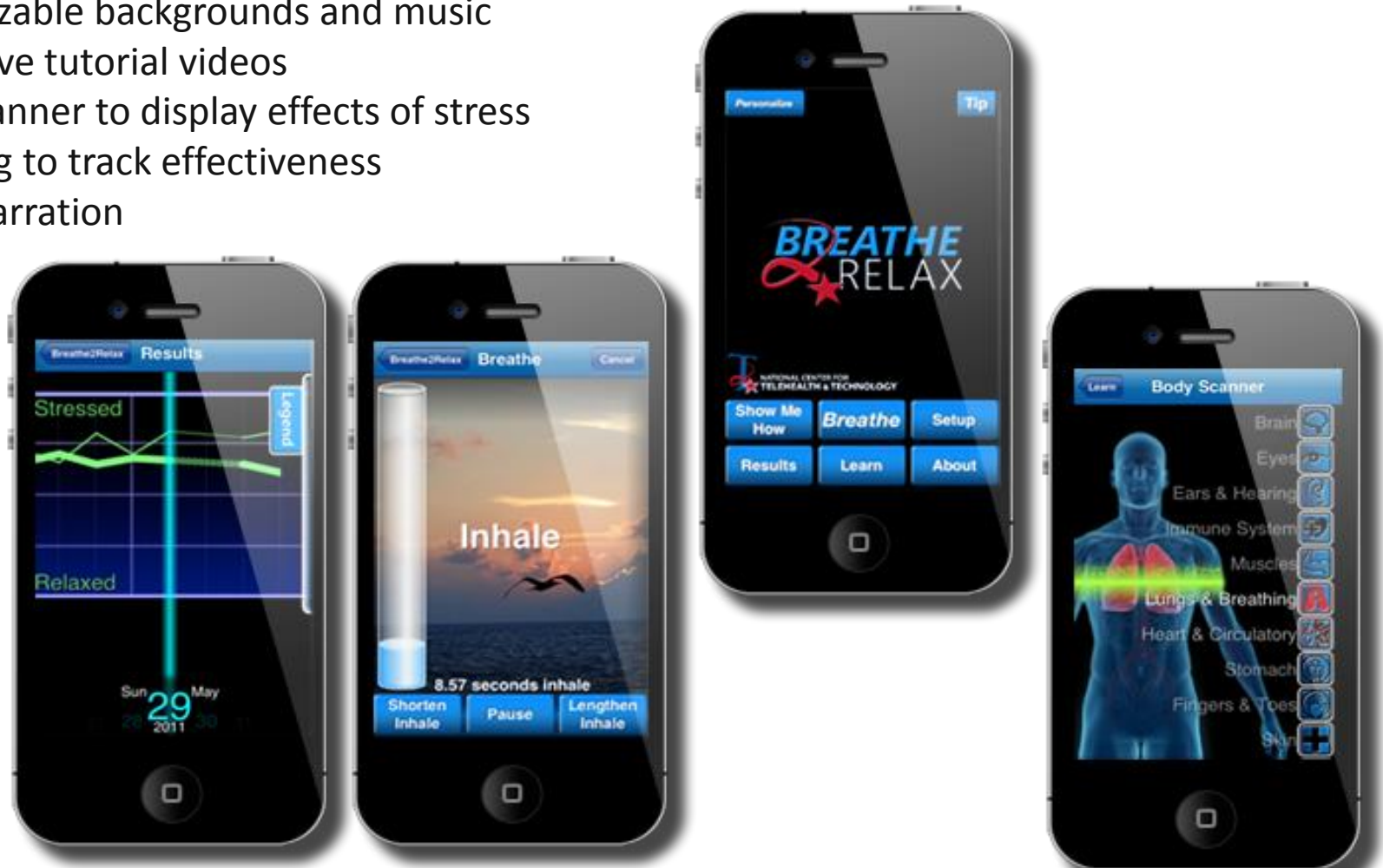
T2 Mobile Applications



Breathe2Relax

Features:

- Customizable backgrounds and music
- Immersive tutorial videos
- Body scanner to display effects of stress
- Graphing to track effectiveness
- Audio narration





Next Technologies & Clinical Support Tools

Dashboards **Wearables** **Avatars** **Games** **Robotics**

*“Dashboards tap into the tremendous power of visual perception to communicate.”**

- What is a **“Dashboard?”**
 - An interface that helps the user make sense of and effectively use large amounts of data.

* (Few, S., 2006)

DASHBOARD



Welcome back, Username.

[My Account](#)

SIGN OUT

NEWSLETTER

Sign up for our newsletter

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Nutrition ✕



Today:
1200 cal.
Remaining
800 cal.

Carbs: 280G
Fats: 13G
Protein: 120G

EXPAND

Exercise ↔

REMINDER: RUN 1.5mi Today

M T **W** T F S S

Last Run
1.24mi SYNC RUN

🕒 7:35mi

EXPAND

Sleep 🛏

■ LAST WEEK ■ THIS WEEK

Day	Last Week	This Week
M	6.0	6.4
T	6.0	6.4
W	6.0	6.4
T	6.0	6.4
F	6.0	6.4
S	6.0	6.4
S	6.0	6.4

AVERAGE **6.4hrs**

TARGET **7.2hrs**

EXPAND

Calendar 🕒

NEXT APPT:
DINNER*

Pick up:
Milk
Eggs
--MORE--

Today:
8AM Run
12PM Work
5:30 Dinner
8:30 Movie

+ ADD

EXPAND

Mood 😊



AVERAGE **FAIR**

TARGET **GOOD**

M T W T

EXPAND

Tips ↓

The unexamined life is not worth living.
-Socrates

TODAY: Examine how you treat people, can you encourage one other person today?

EXPAND

+ Add Widget



IDENTIFIES
INDIVIDUAL EXERCISES



GIVES
LIVE FEEDBACK



COUNTS
REPS AND SETS



MEASURES
HEART RATE



CALCULATES
CALORIES BURNED



WORKS
W/ YOUR FAVORITE APPS


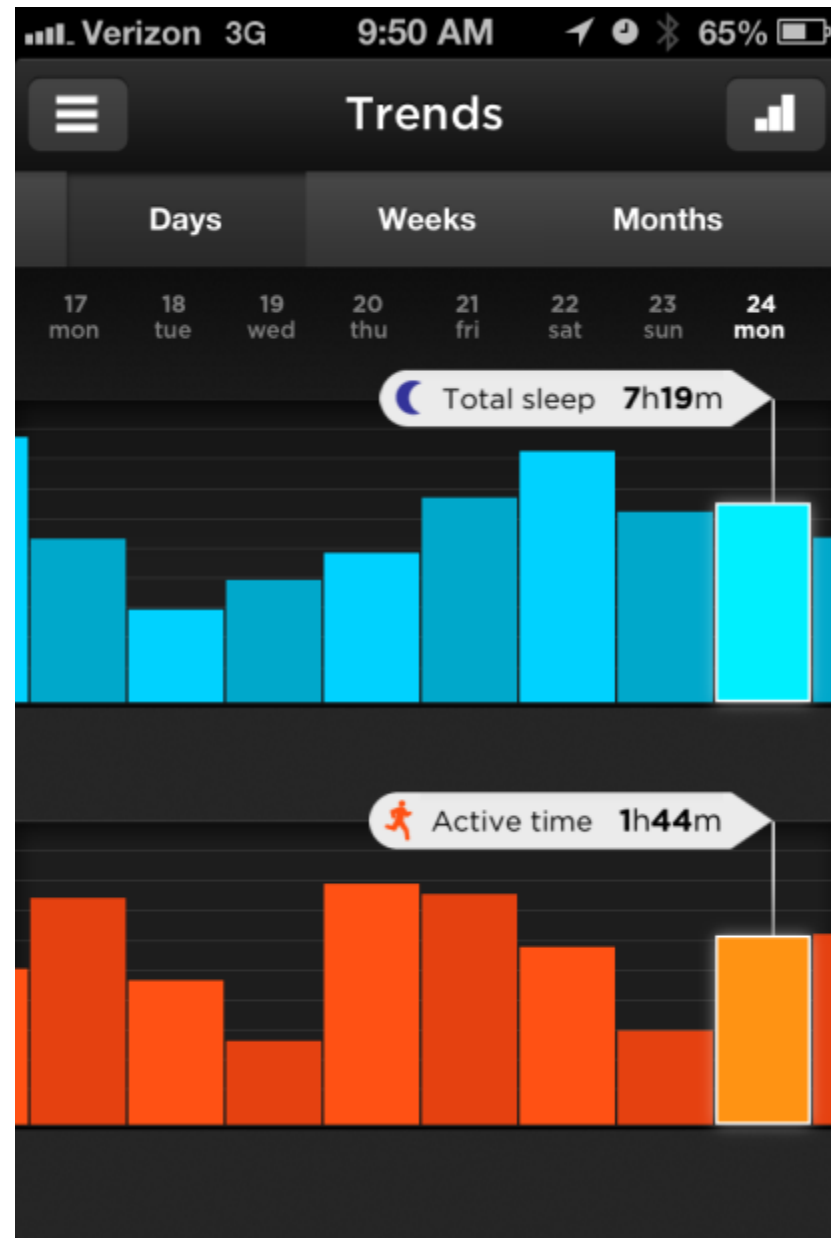
80° [Weather icons] [Social icons] [Signal icons] 10:42 AM

< **UP** Insights TODAY

Did you know? 3 minutes ago

Nocturnal News

You averaged 6h 17m of sleep per night over the past week. Studies show that getting 7 or more hours of sleep a night helps maintain a healthy weight.

braveheartveterans.org

<http://braveheart.simcoach.org/simcoach/bh.html>

SIMCOACH

The place to talk to someone

Need to talk to
someone NOW?
Call this help line:

 866-966-1020

Welcome Guests!

[Log in or](#)

[Register](#)

Registration is **OPTIONAL**

[Learn more about profiles HERE](#)



Hi there. My name's William Ford. You can call me Bill.

Hi there. My name's William Ford. You can call me Bill.

Games

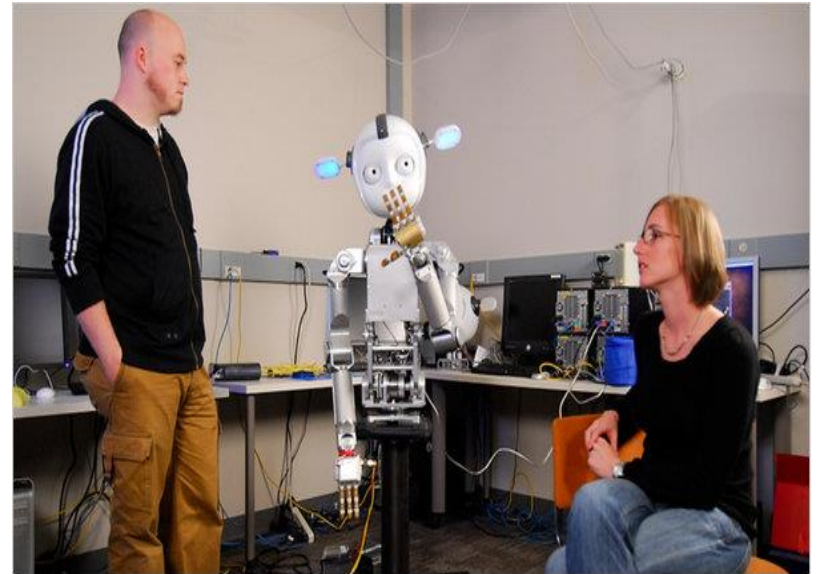
- Gamification is a stylistic design method that makes non-game contexts more engaging.
- Gamification captures the interest of users while providing opportunities for learning.

Social Robotics

“Students, Meet Your New Teacher, Mr. Robot”

“Computer scientists are developing robots like this one: highly programmed machines that can engage people and teach them simple skills...”

(Carey, B., & Markoff, J., 2010)



(Credit: NY Times article, July 10, 2010)

Technology Promises a lot...

- Adoption challenges
- Security issues
- Impact on the therapeutic setting
- Human factors (human-machine)
- Interoperability considerations
- Tech doesn't ensure behavior change

“The Doctor Knows Best...”

Technologies are ushering in a *new model of healthcare*, one that is *patient-centric*, where individuals can quickly learn about health conditions, track their behaviors, and send information to their providers electronically.

The “White Space”

“A snapshot of the average year with the average patient shows that healthcare providers spend approximately 100 minutes with their patient during that year. How much health happens in those 100 minutes?...But what happens in the remaining 525,600 minutes of that year? What happens in the ‘White Space?’ I will tell you what I think happens – that is where health is built, that is where people live.”

Lieutenant General Patricia D. Horoho
The Surgeon General of the United States Army
Testimony for Committee on Appropriations
8 March 2012

(Horoho, P. G., 2012)

Next Steps

- What do we need to know?
 - Users- who, where, which apps
 - Inventory of apps
 - Outcomes studies

- What do we need to do?
 - Training manuals and clinical practice guidelines
 - Communities of practice
 - Credentialing

Research Studies on T2 Products

- AfterDeployment
 - Website easy to use (active duty, vets, and reservists)
 - Lowered PTS using AD with and without clinician
- LifeArmor
 - Assessments were highly reliable and perform well
- Virtual Hope Box
 - High risk patients used VHB more regularly than conventional hope box

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“A new century is at hand, and a fast-spreading technology promises to change society forever. It will let people live and work wherever they please, and create dynamic new communities linked by electronics.”

(Drew, D.E., 2011)

An article about the telephone

1898

[\(Mee, A., 1898\)](#)

Change...

“If you want to make enemies, try to change something.”

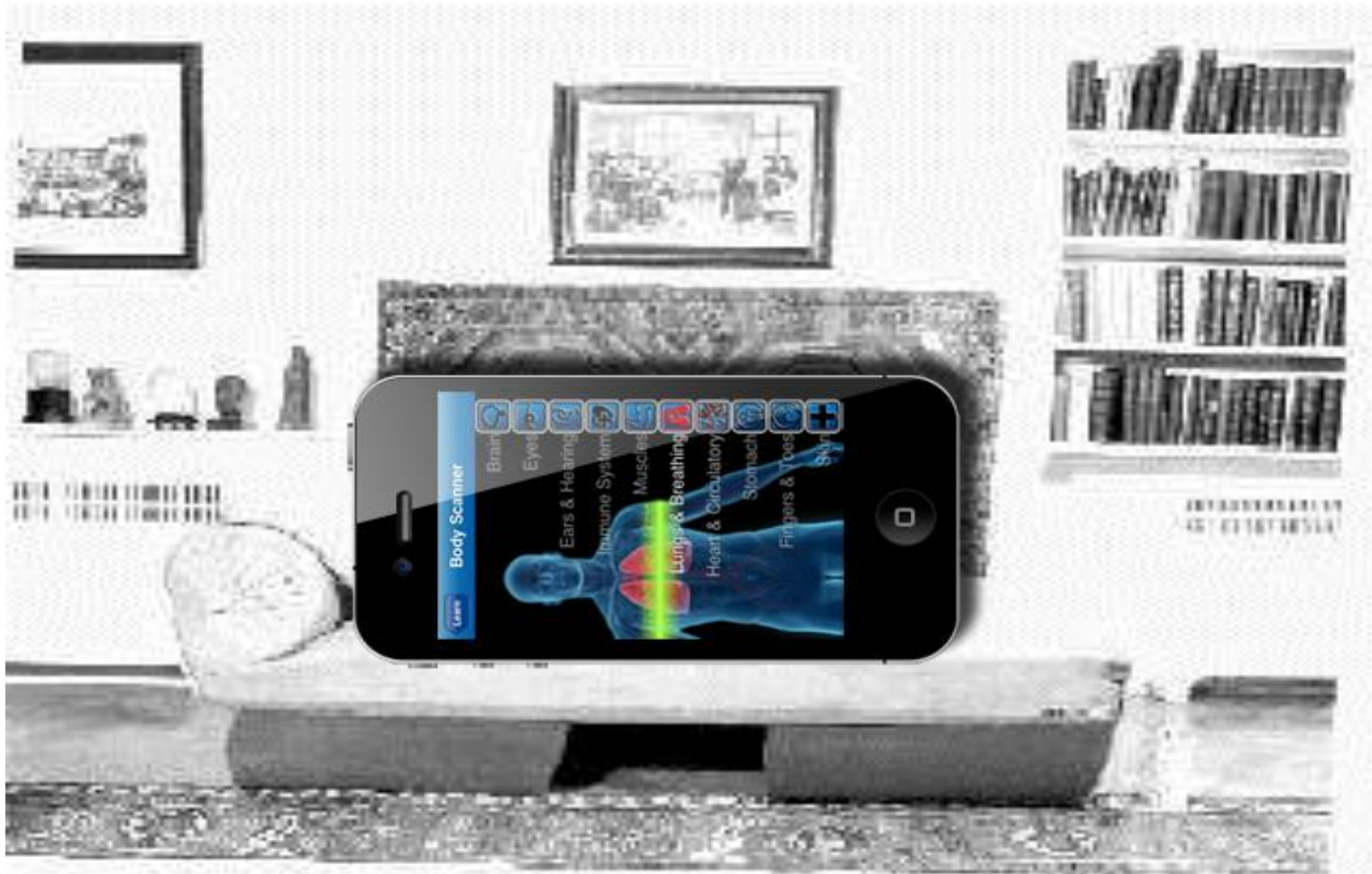
~Woodrow Wilson

(Singh, M. P., 2006)

The Iconic Analytic Couch



Mobile Health



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Questions?

- Submit questions via the Q&A box located on the screen.
- The Q&A box is monitored and questions will be forwarded to our presenters for response.
- We will respond to as many questions as time permits.



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Chat function will remain open 10 minutes after the conclusion of the webinar to permit webinar attendees to continue to network with each other.

Save the Date

- The next DCoE Telehealth and Technology webinar topic, “***Technology Resources of Use to the Clinical Care of Military Sexual Trauma,***” is scheduled for December 11, 2014, from 1-2:30 p.m. (EST)
- The next DCoE TBI webinar topic, “***Performance Triad: Sleep, Nutrition and Exercise,***” is scheduled for January 8, 2015 from 1-2:30 p.m. (EST)

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