



Specifically, there are few substance abuse treatment programs in rural areas

(Simons, Oliver, Gaher, Ebel, & Brummels, 2005)

where there is substantial need

(Rawson et al., 2002).....

suggesting that rural probationers may have to travel long distances to receive services



Johnson, 2006



Constrained economic opportunities have contributed to an aging of rural America, with significant out-migration of younger persons

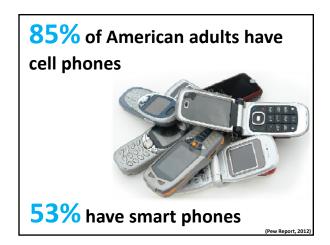
This may result in younger adults remaining in rural areas who are less educated and less likely to be working or earning a living wage than their peers who moved away....

"stay-at-home" group at higher risk for substance abuse

(Conger, 1997)

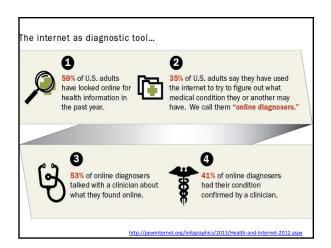
Over the last decade, several major	
studies and reports have found that rather	
than being a safe haven, rural areas	
experience significant rates of substance	
abuse	
(Van Gundy, 2006; CASA, 2000; NHDUS, 2005)	
In a study of adolescents in mid-sized and rural communities, Elliot and Larson found that barriers to receiving care included	
lack of health care information	
lack of health care access	
poor insurance coverage	
parenting issues	
confidentiality concerns	
(Elliott & Larson, 2004)	<u> </u>
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Use of Technology by the	
General Public	

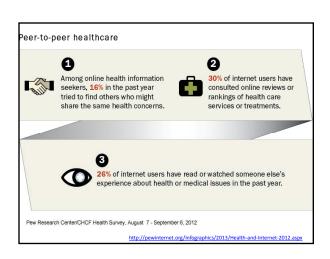










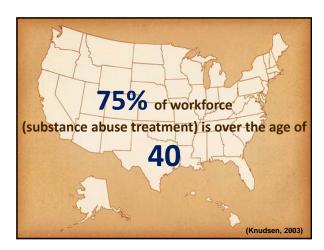


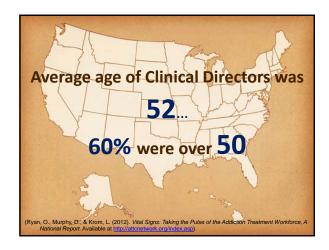


Behavioral Health Workforce

- Clinical/Counseling Psychologists **152,000**
- Mental health/substance abuse Social Workers - 138,700
- Mental Health Counselors 113,300
- Substance Abuse Counselors 86,100
- Psychiatrists 34,400
- Marriage and Family Therapists 27,300











Digital Immigrants

(Zur, 2012; Prensky, 2001)

As Digital Immigrants learn – like all immigrants, some better than others – to adapt to their environment, they always retain, to some degree, their "accent," that is, their foot in the past.

What is Your Digital Accent

(Prensky, 2001)



(Zur, 2012; Prensky, 200

Digital Natives

"native speakers" of the digital language of computers, cell phones, video games and the Internet

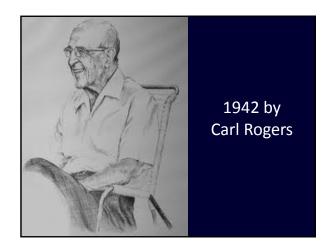




Almost 70% of individuals who received SUD services were under the age of 40

'One of the biggest problem facing education today is that our Digital Immigrant Instructors, speak an outdated language (that of the pre-digital age) and are struggling to teach a population that speaks an entirely new language.'





And then.... advances in fax machines, word processors, answering machines, video taping, and voice mail.





"People meet and fall in love on the Internet.... SO why would a therapeutic relationship not also be possible?"

(Alleman, 2002, p. 201





Addiction Treatment Lags Behind There are few published works on the use of telehealth to provide or enhance substance abuse services in rural areas.

Telehealth

'the use of telecommunications and information technologies to provide access to health information and services across a geographical distance'

Telemedicine

'use of medical information exchanged from one site to another via electronic communications to improve patient health status'

(Institute of Medicine (IOM), 2012

Definitions

- Synchronous communications
 - Videoconferencing
 - Telephone
- Asynchronous Communications
 - Emai
 - Web-based programs
- Some telehealth technologies include both type of communications

(IOM, 2012)

Literature Review

- * Videoconferencing
- * Computer-based Interventions
- * Web
 - Screeners
 - Support Groups
 - Virtual Reality/Video Games
 - Disease Management Programs
- * Web-Portals
 - Videoconferencing
 - Messaging (chat and email)
- * Telephone
 - Continuing Care
 - Interactive Voice Response
- * Mobile Phones
 - Texting



Videoconferencing The Jestific (1987) Reconcilent Friedmann Friedmann Frei Animation Configuration Text Animation Configuration Text Animation Configuration

VA Services

- 146 hospitals provided 55,000 community-based outpatient clinic patients with 140,000 telemental health visits
- 6,700 patients received home-based telemental health services
- 25% decrease in hospitalization for receiving telemental health services between 2006-2010
- * 30% reduction in admissions during the first 6 months of care in 2011

(Darkins et al., 2008; IOM, 2012)

Systematic Review of Videoconferencing Psychotherapy

- Patients and providers perceived a strong therapeutic alliance over videoconferencing
- Studies that compared videoconferencing to in-person psychotherapy reported similar satisfaction levels between the conditions
- high levels of satisfaction and acceptance with telemental health have been consistently demonstrated among patients across a variety of clinical populations and for a broad range of services

(Backhaus et al., 2012)

Videoconferencing Studies in Addiction Treatment

- Opioid Treatment-group counseling (King et al., 2009)
- Alcohol Treatment (Postel et al., 2005)
- Alcohol Treatment (Frueh et al., 2005)
- Teleconferencing Supervision (TCS)- MI (Smith et al., 2012)

Backhaus et al., 2012

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To date, more than 100 different computer-assisted therapy programs have been developed for a range of mental disorders and behavioral health problems

(Klein, et al., 2012; Moore, et al., 2011)

In general, technology-based behavioral health interventions have been shown to be well accepted, efficacious and cost effective, especially when compared to standard care

Aronson, Marsch, & Acosta, 2013

Technology-based Behavioral Health Interventions

- may consist of text, audio, video, animations, and/or other forms of multimedia
- use information from medical records, physiological data capture devices, or other sources
- may be interactively customized, or tailored, to an individual user's needs

Aronson, Marsch, & Acosta, 2013







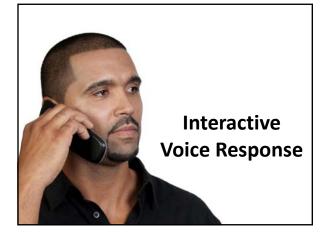












Interactive Voice Response

- Automated, computer-based interventions have shown promise in treating substance use disorders
- Fully automated systems offer a number of potential advantages including:
 - low cost
 - consistent delivery
 - greater accessibility and availability of treatment
 - increased flexibility of scheduling and convenience

(Cranford, Tennen, & Zucker, 2010; Mundt, et.al., 2006)















Use of the Telephone

Monitor/treat chronic mental & physical illness

- Smoking
- Depression
- Obsessive Compulsive Disorder
- Hypertension
- Diabetes
- Rheumatology problems



Telephone Continuing Care for SUDs

- Telephone Monitoring and Adaptive Counseling (TMAC)
- Focused Continuing Care (FFC) (Betty Ford Clinic)
- Telephone Enhancement of Long Term Engagement (TELE)
- Individual Therapeutic Brief Phone Contact (ITBPC) (Kaminer & Napolitano, 2004) ADOLESCENTS
- Telephone Case Monitoring (TCM)
- Telephone Continuing Care (TCC)







Privacy, Security, & Confidentiality

Privacy & Security Rules are Different

- HIPAA Privacy Rules What situations can individual health information be disclosed, no matter its format (oral, paper, or electronic)?
- HIPAA Security Rules How are disclosures in electronic format made?

(Karasz et al. 2012: www.hhs.gov/ocr/privacy/hipaa/understanding/ersummary.html)

Privacy, Security, & Confidentiality



<u>Final Rule</u> specifically states because "paper-topaper" faxes, person-to-person telephone calls, video teleconferencing, or messages left on voice-mail were not in electronic form before the transmission, those activities are not covered by this rule (p. 8342).







Internet could serve as a proverbial "foot in the door" for clients who are uneasy about seeking mental health treatment







- Prison Settings
 TES-Computer-based Intervention
 - TES used in 10 prisons in 4 states
 - Chaple, 2012; Blenko, 2012; & Chaple, et al. 2013
- MAPIT-Computer-based Intervention



TBIs.... Could help providers implement EBPs





Technology-Based Interventions

- Serve as Adjuncts to standard treatment
- Save clinician time
- Extend clinician expertise
- Integrate other EBPs to provide additional services to clients with co-morbid conditions
- Provide access to computerized smoking cessations programs or other health-related conditions

(Carroll & Rounsaville, 2010



Most VoIP technology systems provide a very reliable, high quality and competent teleconferencing session with their patients..........

However, to determine if the VoIP videoconferencing technologies are private, secure, and compliant with HIPAA, a risk analysis should be performed

Watzlaf, et al., 2010

Sykpe or Vsee or Other Vendors

- Questions Regarding 3 HIPAA Requirements
 - Audit Trails
 - Chat boxes information is stored on company's computers
 - Vsee can track which accounts connect but does not know the time or the content
- Visit this site for reviews of vendors
 - http://www.telementalhealthcomparisons.com/
 - You will have to give them your email address if you want to review these comparisons



1st CHOICE

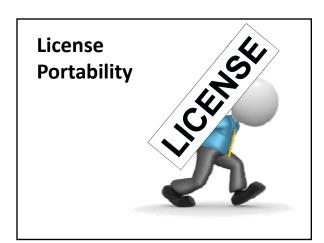
Use the HIPAA compliance checklist (prepared by Watzlaf & colleagues) and compare it to the VoIP technology software privacy and security policies provided by the software vendor and ask if they are willing to enter into a BAA (Business Associate Agreement)



2nd CHOICE

Purchase HIPAA compliant software specific to VoIP with vendors that will walk you through each piece of the HIPAA legislation to make certain the software is private and secure and be willing to enter into a BAA (Business Associate Agreement)





Conducting Therapy Across Sta	ate Lines
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LASKA LOWA	
NEBRASKA I LOWA	
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What each state licensing board allow Which State governs	VS/requires (American Psychologist ,2009)

Ethical Considerations in Designing Telehealth Technologies

- How provider- or patient-centric is the technology?
- Does the shift to remote services promote the values traditionally at the heart of caregiving?
- To what extent should technology usage involve attempts to manipulate users into different behaviors?

(Kaplan & Litewka, 2008)

Ethical Considerations in Designing Telehealth Technologies

- How might the replacement of human contact by new technologies be improved?
- To what extent is the use of technology aimed toward creating market needs over the improvement of health or well-being?

(Kaplan & Litewka, 200a

Ethics

"E-health is not only a technological improvement, but a re-engineering of healthcare processes requiring consideration of sociotechnical aspects of their design and development. It is meant to broaden the scope of healthcare delivery, place citizens at the center of services, and provide them increased interaction with health professionals who look after their health needs."

(Nykanen 2006 in Kanlan & Litewka 200)

Whether its Group Counseling

or Like This

Like This





or Client Homework

Like This





Telehealth is in the Best Interest of the Clients Expanding Access Help and support Enhancing Treatment Services

