Videogame, Social Media and Pornography Addiction: Assessment, Treatment and Prevention



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Videogame, Social Media and Pornography Addiction: Assessment, Treatment and Prevention



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richer, fuller life. Our treatment and intensive outpatient programs guide you back towards a life consistent with your valued relationships, education, career, health, and personal/spiritual growth.

LEARN ABOUT OUR TREATMENT PROGRAM

Kenneth Woog, BS EEE, MBA, PsyD other affiliations:

Sentinel Gaming Systems LLC, Partner

Pepperdine University, GSEP Program Director and Supervisor

Technology 1981



Atari 2600 Console

Space Shuttle Launch

43 Years Later: 2024



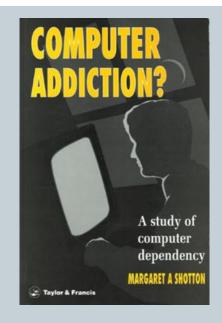
Computer Addiction Research 1980s & 1990s

• 1980s - Anecdotal reports emerging

- Computer Addiction? Shotton, 1989
 - Surveyed 127 teen/young adult males
 - × Looked at all computing activities
 - × Multi-user Dungeons and Dragons
 - "...the MUD players hours were perhaps the most disruptive of their family lives than any other group"

• 1990s Self report surveys

• Fisher, Griffiths - Prevalence: 6% , 20%



Survey of Mental Health Professionals Exposure to Problematic Computer Use Woog (2004)

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Problematic Uses by Age Group

	Age 11-17	Age 18-25	Age 26+
Games	41%	18%	13%
Chat	34%	21%	19%
Sexual	25%	32%	54%
Online Relations	23%	28%	32%
Web Surfing	11%	12%	13%
Gambling	0%	4%	13%
Shopping	0%	4%	10%
Programming	0%	4%	3%

"Do you believe computer/Internet addiction is a distinct disorder" W00g (2004)

% of respondents

	No	Yes	Can be	Don't Know
Treated prior 12 months	28	19	33	20
Not Treated	44	15	15	26

Responded "Yes" or "Can be" a distinct disorder:

Treated within past 12 months: 52% Not treated within past 12 months: 30%

50% knew someone personally with the problem

Reported Successful Treatment Methods Woog (2004)

- Psychotherapy (CBT) (45%)
- Family / Marital Counseling (34%)
- Behavior Therapy (33%)
- Medication (32%) 11% respondents were psychiatrists
- Abstinence (18%)
- 12 step programs, on-line, gameaholics anon (18%)
- Controlled Use (moderation) (17%)
- Parent Counseling (15%)
- Social Skills Training (12%)
- Addiction Counseling (11%)
- Control / Monitoring Software (8%)

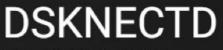
Problematic Gaming Research 2000s

- Worldwide Prevalence Research: **2.5-34%**
 - O 2005, 2007 Germany Grusser 15+y/o (n>7000) 9.3-11.9%
 - o 2007 S. Korea. Lee & Han 5/6th graders (n=2584) **2.5%**
 - o 2007 Taiwan. Wan & Chiou 17-24 y/o (n=416) **34%**
 - o 2008 China. Xu & Yuan 13-18 y/o (n=623) **21.5%**
 - o 2009 Austria. Battrhyany 13-18 y/o (n=1068) 2.7%
 - 0 2009 Holland. Lemmens 12-18 y/o (721) 1.4-9.4%
 - o 2009 US. Gentile 8-18 y/o (1178) 8.5%
 - × Nationwide Harris Poll Online survey
 - Criteria similar to pathological gambling
 - Problems correlated to 24 hrs./week of game play

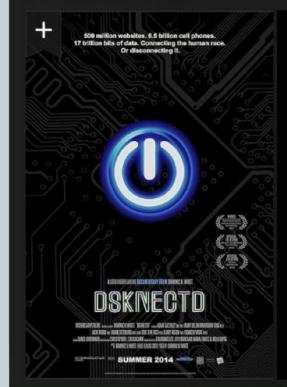
• 2010 Australia. Thomas, Porter 14-54 y/o, **5-8%**

DSKNECTD (2013)

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2013 · Not Rated · 1h 38m





TEENS VIEWED PORN CONSIDERED EXTREME OR VIOLENT BY AGE EIGHTEEN

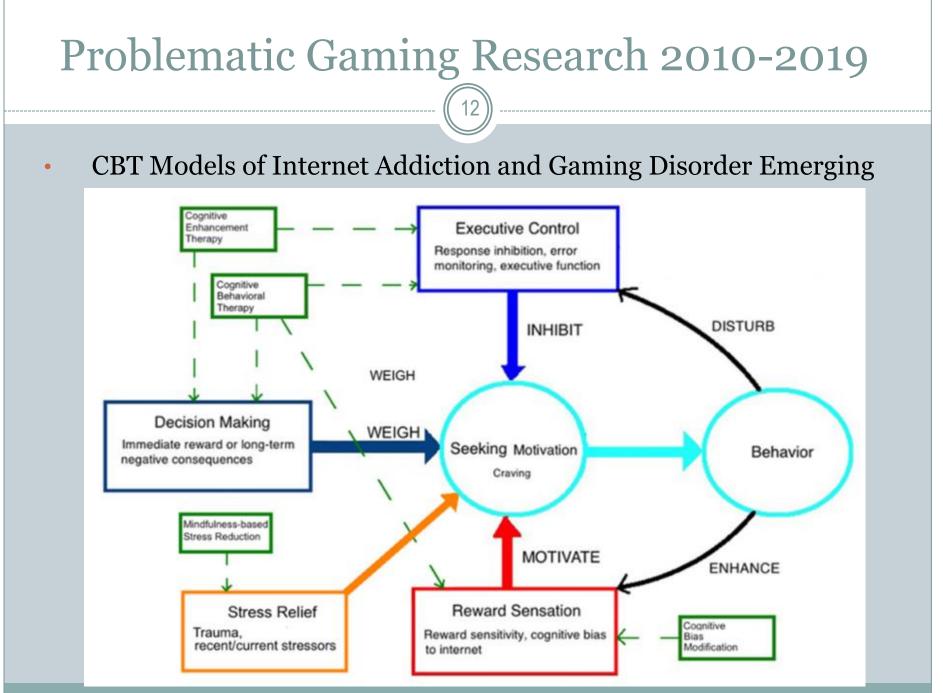
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Brain Imaging: Internet Addiction



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Gaming Disorder ICD-11 (6C51) (2018) World Health Organization

World Health Organization ICD-11

- Addiction Disorders Restructured to Include Behavioral Addictions
- Gambling Disorder 6C50
- Gaming Disorder 6C51

Added to Compulsive Behaviors:

- Compulsive Sexual Behaviour Disorder 6C72
- US has not yet adopted the ICD-11
- APA DSM-5 No updates

 Disorders due to substance use or addictive behaviours Disorders due to substance use Disorders due to addictive behaviours 6C50 Gambling disorder 6C51 Gaming disorder 6C5Y Other specified disorders due to addictive behaviours 6C5Z Disorders due to addictive behaviours. unspecified Impulse control disorders 6C70 Pyromania 6C71 Kleptomania 6C72 Compulsive sexual behaviour disorder 6C73 Intermittent explosive disorder Substance-induced impulse control disorders 6C50 Gambling disorder 6C50.0 Gambling disorder, predominantly offline 6C50.1 Gambling disorder, predominantly online 6C50.Z Gambling disorder, unspecified 6C51 Gaming disorder 6C51.0 Gaming disorder, predominantly online 6C51.1 Gaming disorder, predominantly offline 6C51.Z Gaming disorder, unspecified

Gaming Disorder ICD-11 (6C51.0)

Gaming disorder is characterized by a pattern of persistent or recurrent gaming behaviour ('digital gaming' or 'video-gaming'), which may be online (i.e., over the internet) or offline, manifested by:

- 1. **impaired control over gaming** (e.g., onset, frequency, intensity, duration, termination, context);
- 2. increasing priority given to gaming to the extent that gaming takes precedence over other life interests and daily activities; and

3. continuation or escalation of gaming despite the occurrence of negative consequences. The behaviour pattern is of sufficient severity to result in significant impairment in personal, family, social, educational, occupational or other important areas of functioning.

The pattern of gaming behaviour may be continuous or episodic and recurrent. The gaming behaviour and other features are **normally evident over a period of at least 12 months** in order for a diagnosis to be assigned, although the required duration may be shortened if all diagnostic requirements are met and symptoms are severe.

Replace the word "Gaming" with "Gambling for Gambling Disorder criteria

• 1980's – No research

• Chat and messaging in infancy

1990's – 2009 "Internet Addiction"

- Captured essence of many different applications of Social Networking
- Emerging awareness of problems related to Social Media
 FOMO, body image issues

2010's – Social Networking Site (SNS) Addiction

- o 2011 First published literature review of SNS Addiction
 - × Prevalence surveys conflicting, poor sampling: 1-2% US adults
- 2020's Narrowing in on the Negative Impact

• Growing excess use of social networking

Hooked on Facebook: The Role of Social Anxiety and Need for Social Assurance in Problematic Use of Facebook Roselyn J. Lee-Won, PhD, Leo Herzog, BA, and Sung Gwan Park, PhD (2015)

Cyberbullying, Depression, and Problem Alcohol Use in Female College Students: A Multisite Study

Ellen M. Selkie, MD, MPH, Rajitha Kota, MPH, Ya-Fen Chan, PhD, and Megan Moreno, MD, MSEd, MPH (2015)

Exploring the Role of Parents and Peers in Young Adolescents' Risk Taking on Social Networking Sites Wonsun Shin, PhD, and Nurzali Ismail, ME (2014)

Instagram #Instasad?: Exploring Associations Among Instagram Use, Depressive Symptoms, Negative Social Comparison, and Strangers Followed Katerina Lup, MA, Leora Trub, PhD, and Lisa Rosenthal, PhD (2015)

The Facebook Experiment: Quitting Facebook Leads to Higher Levels of Well-Being

Tromholt M., Cyberpsychology, behavior and social networking, 19(11), 661–666. https://doi.org/10.1089/cyber.2016.0259 (2016)

Prolonged Mobile Phone Use Is Associated with Poor Academic Performance in Adolescents

Xianchen Liu, MD, PhD,1 Yachen Luo, MS,2 Zhen-Zhen Liu, MD, Yanyun Yang, PhD, Jianghong Liu, PhD, and Cun-Xian Jia, PhD (2020)

Prevalence of Social Media Addiction Across 32 Nations: Metaanalysis With Subgroup Analysis of Classification Schemes and Cultural Values.

Cecilia Cheng,*, Yan-ching Lau, Linus Chan, Jeremy W. Luk (2021)

Prevalence of Social Media Addiction Across 32 Nations (2021)

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			95% CI	
	k	Prevalence	Lower	Upper
Geographical region ^c				
North America	9	15%	7%	26%
Western/Northern Europe	6	8%	4%	12%
Eastern/Southern Europe	5	20%	13%	28%
Asia	24	31%	25%	38%
Middle East	11	29%	17%	44%
Africa	5	37%	26%	48%
Latin/South America	2	18%	8%	30%

The results of random-effects meta-analysis revealed a pooled social media addiction prevalence of 24% (95% CI = 21%-28%, Q = 4007.88, p < .0001, $I^2 = 98\%$). The prevalence estimates ranged from 0% to 82%.

Association of Habitual Checking Behaviors on Social Media With Longitudinal Functional Brain Development

Maria T. Maza, BS; Kara A. Fox, MA; Seh-Joo Kwon, BS (2023)

Associations of Active and Passive Smartphone Use With Measures of Youth Mental Health During the COVID-19 Pandemic

Silvia Marin-Dragu, Alyssa Forbes, Sana Sheikh, Ravishankar Subramani Iyer , Davi Pereira dos Santos , Martin Alda , Tomas Hajek , Rudolf Uher, Lori Wozney, Fernando V. Paulovich , Leslie Anne Campbell , Igor Yakovenko , Sherry H. Stewart, Penny Corkum, Alexa Bagnell, Rita Orji, Sandra Meier (2023)

The Effect of Self-Monitoring Limited Social Media Use on Psychological Well-Being

Faulhaber, M. E., Lee, J. E., & Gentile, D. A. (2023).

Other Screen-time Research Areas: Gambling and Porn

Examining Neural Reactivity to Gambling Cues in the Age of Online Betting

Damien Brevers, Guillaume Sescousse, Pierre Maurage, Joël Billieux (2019)

Sexual Incentive Delay in the Scanner: Sexual Cue and Reward Processing, and Links to Problematic Porn Consumption and Sexual Motivation

Charlotte Markert, Sanja Klein, Jana Strahler, Onno Kruse, Rudolf Stark (2021).

Screen Time Research Summary 2024

• Gaming Disorder

- Gaming Disorder has been researched more and longer
- Predicts increased Depression and Anxiety (males)
- Gaming Disorder is a defined Mental Disorder in the ICD-11
- China/South Korea (15%), US likely 3-8%
- Negative life outcomes correlate to >25 hours /week

• Social Networking excesses lead to problems:

- Social Networking Addiction Research Still Limited
- Elevated risk of depression, anxiety, body image issues, cyber bullying and lowered self-esteem:

-3 hours/day = 2x the risk

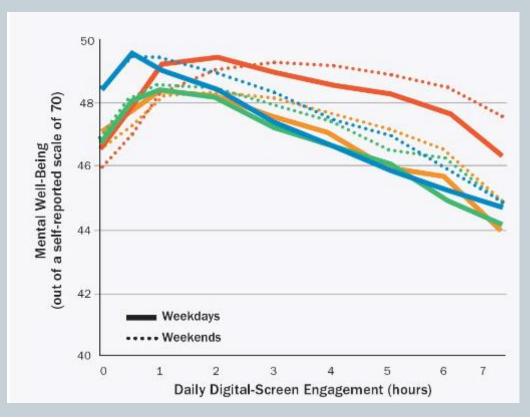
- Reduction to 30 minutes/day suggests greater wellbeing in adults
- Studies indicate type of use important as amount of time not predictor of symptom severity
 - Passive use (swiping, not posting) higher risk than active
- US prevalence significant 15%

• On-line Gambling

- Lots of research for decades
- o Online and legalization has made it a more serious problem
- On-line Porn Issues
 - Least studied tricky subject

Bottom Line: Is Screen Time Beneficial?

Only to a point - then it is all downhill from there on



Source: "A Large-Scale Test of the Goldilocks Hypothesis: Quantifying the Relations Between Digital-Screen Use and the Mental Well-Being of Adolescents," by Andrew K. Przybylski and Netta Weinstein, in *Psychological Science*, Vol. 28, No. 2; January 13, 2017

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2024: CDC Is Calling the Alarm

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Centers for Disease Control and Prevention CDC 24/7: Saving Lives, Protecting People™

PICK AN

SCREEN TIME

Do you know how much entertainment screen time kids get? Time in front of a screen is time kids aren't active. Choose an age group to see how much screen time kids get and tips for healthier activities.

11-14 15-18

8-10



U.S. Surgeon General: Social Media Use and Youth Mental Health

- Up to 95% of youth ages 13–17 report using social media
 - 1/3 use "constantly"
- 40% of children ages 8–12 use social media
 - Technically not allowed until age 13
- Adolescent social media use is predictive of a subsequent decrease in life satisfaction:
 - Girls 11–13 years old and boys 14–15 years old.
- 3 hours per day on social media faced double the risk of experiencing poor mental health outcomes including symptoms of depression and anxiety (age 12-15)
- As of 2021, 8th and 10th graders now spend an average of 3.5 hours per day on social media
- Limits on the use of social media have resulted in mental health benefits for young adults and adults

Social Media and Youth Mental Health

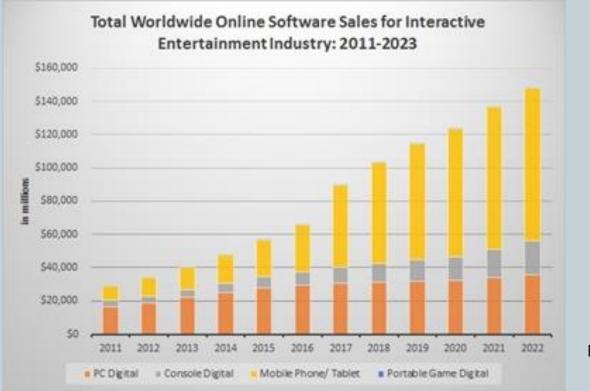


Massive Video Gaming Industry

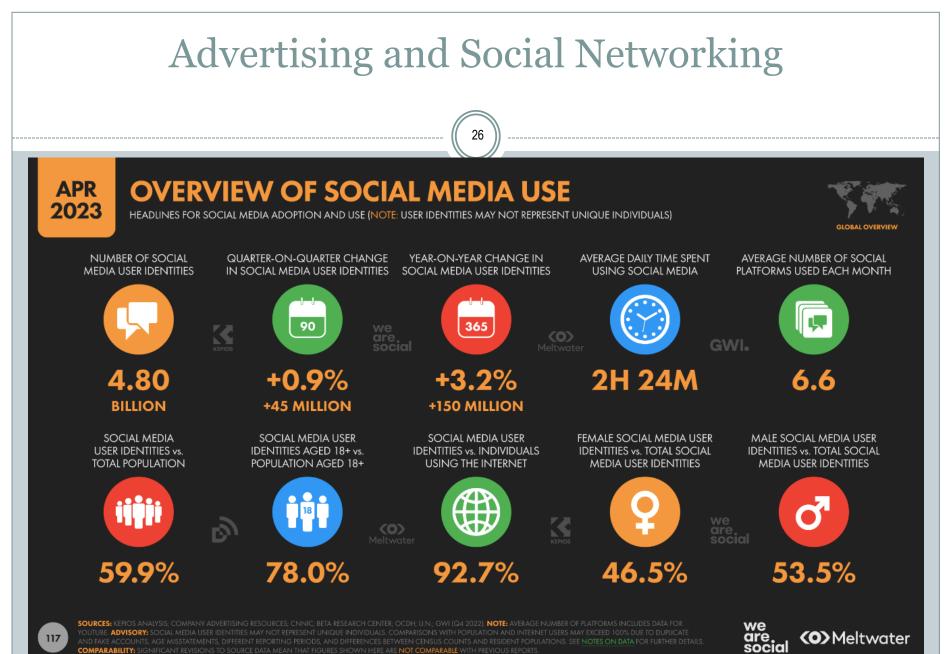
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• \$250B in 2023

- Growing at 9-18% annually, huge growth in mobile gaming
- o 63% increase in video game sales during pandemic

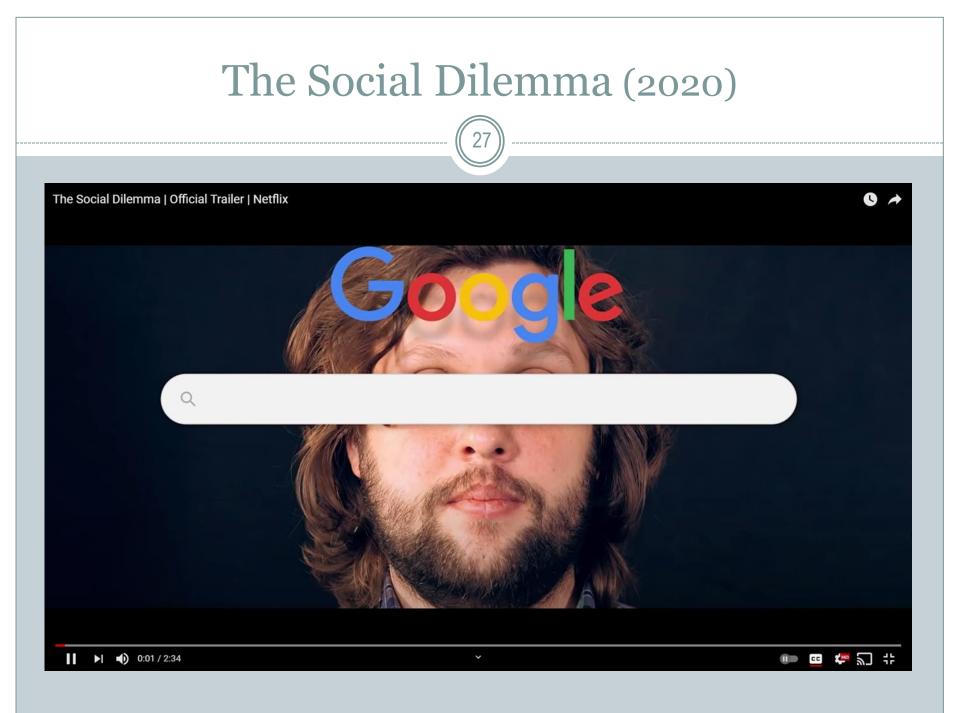


DFC Intelligence 2019



SmartInsights.com (2023)

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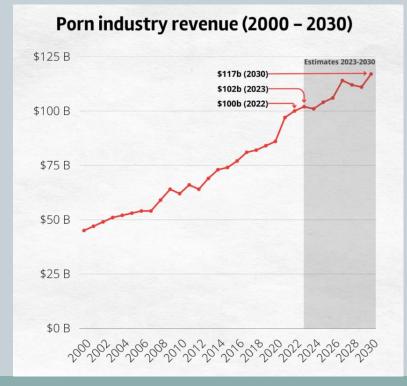
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Online Porn Growing Fast

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• Porn Initially the Largest Use of the Internet Data

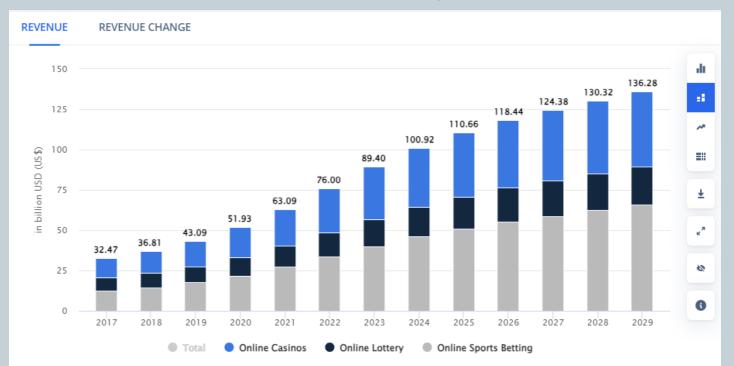
- o It was a major impact on the growth of video streaming
- Today it is estimated between 10 and 30% of all internet traffic
- \$100B Annual revenue (Bedbible.com)



Online Gambling

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Online Gambling is Continuing to Grow
 \$100B in Annual Revenue est. for 2024 (statista.com)



Notes: Data reflects market impacts of the Russia-Ukraine war.

Most recent update: Mar 2024

Source: Statista Market Insights

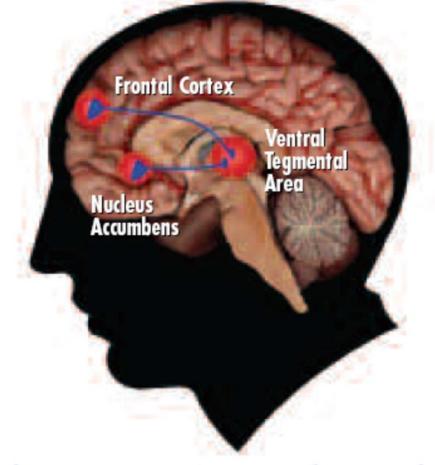
2000's NIDA Research into the Science of Addiction



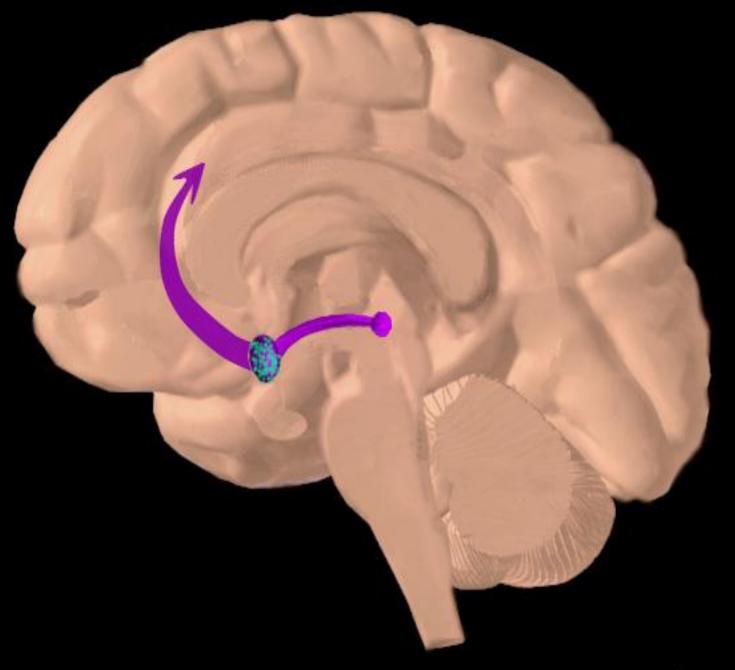
Drugs, Brains, and Behavior The Science of Addiction

mage: White Matter Fibers, Parietal Areas • www.humanconnectomeproject.org

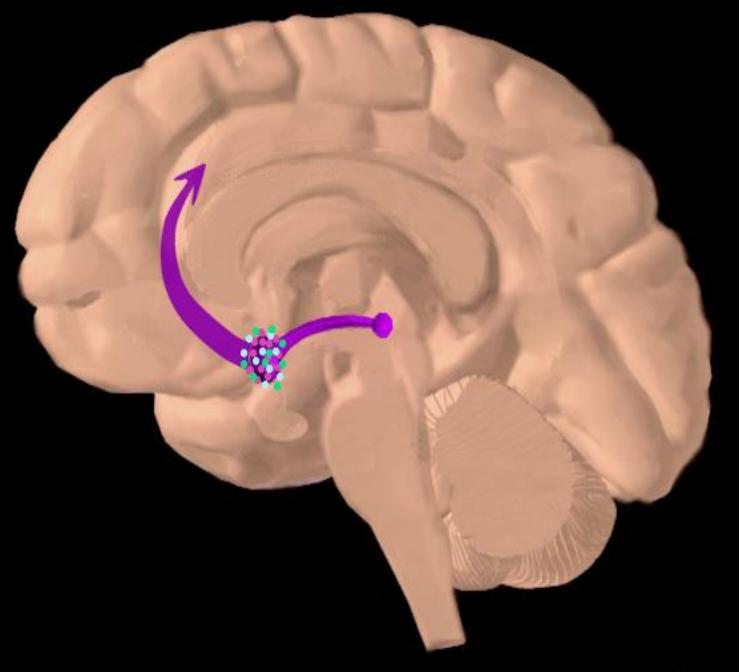
The "Simplified" Science of Addiction Brain reward (dopamine) pathways



These brain circuits are important for natural rewards such as food, music, and art.

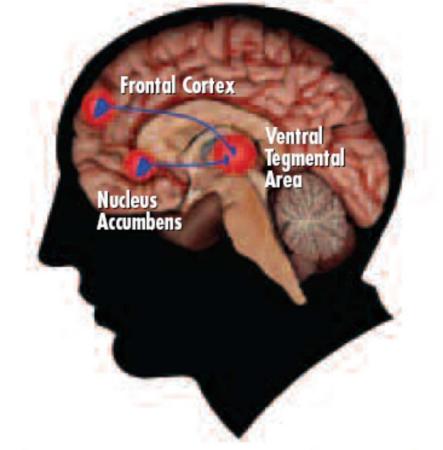








Sufficient Activation Results in Addiction Brain reward (dopamine) pathways



These brain circuits are important for natural rewards such as food, music, and art.

What is Addiction? (Simplified)

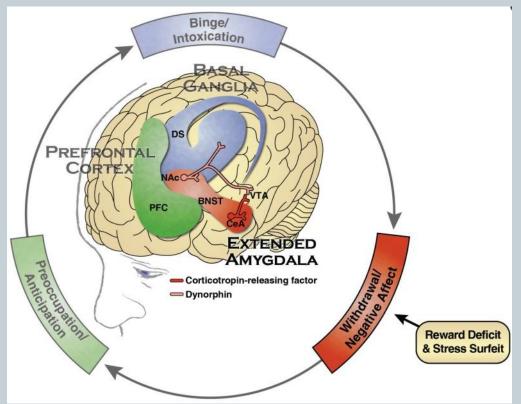
Excess reward pathway activation

- Altered brain wiring associating the addicting substance or behavior with pleasure
- The amount of the brain wiring makes it dominant
- o Cues in environment trigger reward pathway involvement
- Brain changes that result in behavioral deficits:
 - Behavioral inhibition, impulsivity
 - Decision making difficulties
- The bad news: The brain wiring does not go away
 Learning theory
- The good news: New wiring can mediate old wiring
 New Learning

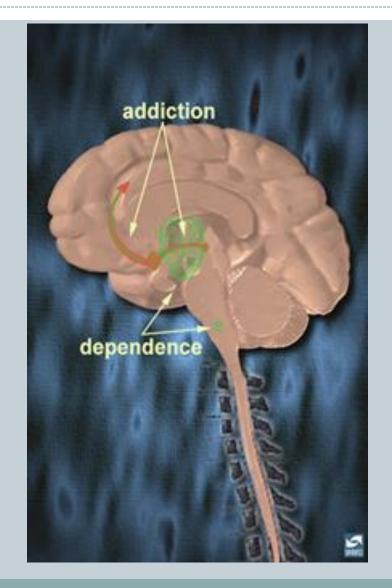
What is Dependence? (Simplified)

36

- Dependence is experiencing withdrawal symptoms, (negative feelings) upon discontinuing an addictive substance or behavior
- The negative feelings associated with withdrawal are thought to come from two sources:
 - Diminished activation in the reward circuitry of the basal ganglia and
 - Activation of the brain's stress systems in the extended amygdala.



Dependency and Addiction are Different

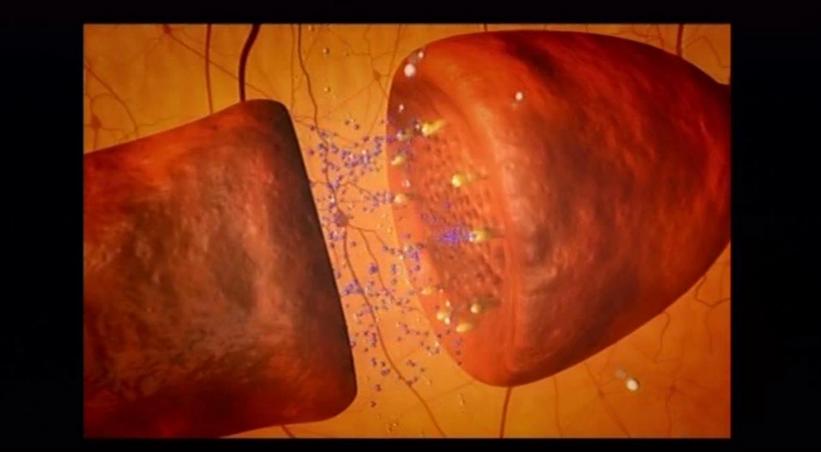


Addiction is a state where the dopaminergic reward pathways have been stimulated by a substance or behavior to a degree that it causes the organism to engage in the behavior or use of the substance and is ultimately unable to limit such behavior or substance despite resulting in negative consequences. *In a sense - unconscious processes stimulate cravings, urges and reduce inhibition.*

Dependence is the need to intake a substance or engage in a behavior in order to maintain an adaptive emotional state. Symptoms of negative mood states will result from discontinuance of the substance or behavior. *This is different than the chemical effects of withdrawal.*

One More Important Result of Overuse





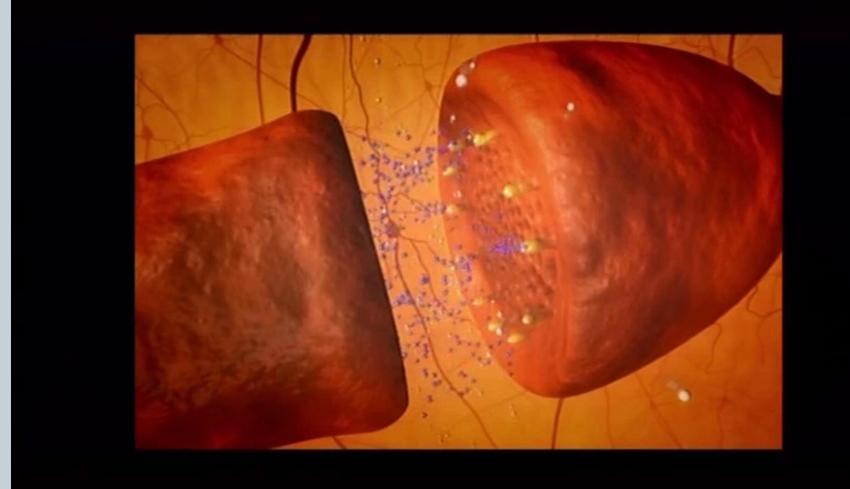
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Video to follow discusses cocaine but applies equally to all addictive substances or behaviors

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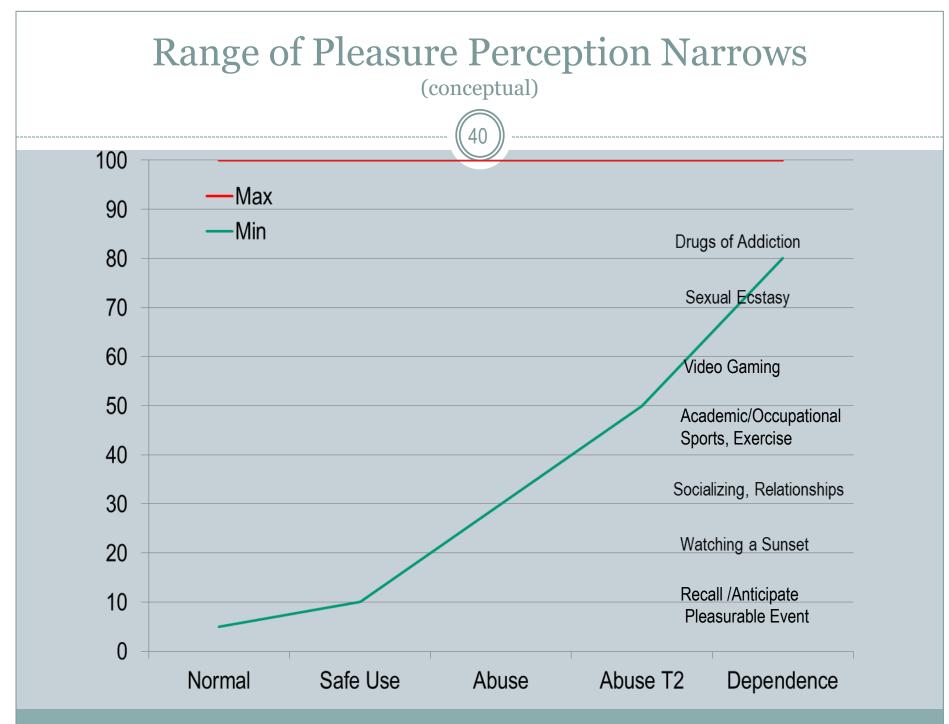
Real-life Rewards Fade to Gray





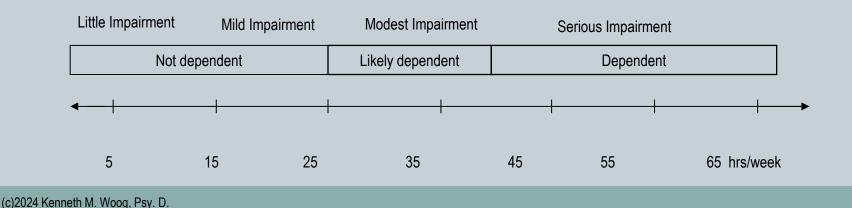
The Secret Life of the Brain © 2001 PBS All rights reserved Reproduced under Fair Use (Title 17: Chapter 1 § 107)

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What is a Safe Level Video Gaming? What is not safe...

- No single number varies individual to individual
 - Genetic/individual variability, life circumstances
- Impairment above 15 hours/week
 - Time includes all related activities Twitch, YouTube, Discord
- Significant impairment found at 25 hours/week
- Safe does not mean appropriate for lifestyle / commitments
 - College, high school students, athletes, parent, spouse
- Never binge for more than 5 hours in any one day!



We Need a Simplified Model

Informs assessment

• Assessment focused on causes (i.e. excess use), reinforced problematic behavior and current client functioning

Informs treatment

• Interventions apply to specific processes and deficits

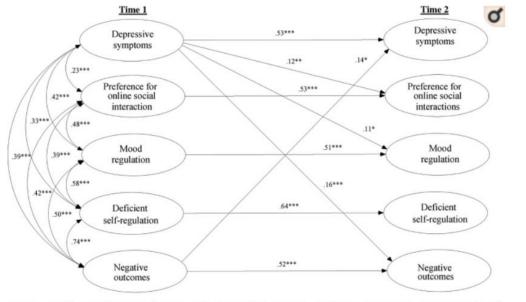
Educates client and families

- Externalizes the problem and its causes. Addiction result is normal.
 Lack of ability to limit use IS the disorder, not a moral failing
- Rationale for interventions that non-professionals can understand
- Explains why certain parenting interventions not helpful
- Increases empathy for client struggling with the disorder
- Helps create realistic expectations for treatment and outcome
- Helps define the "end" of treatment
- Integrates both Addiction and Dependency
 - Understandable and acceptable
- Informs prevention

Problematic Adolescent Internet Use Research 2014

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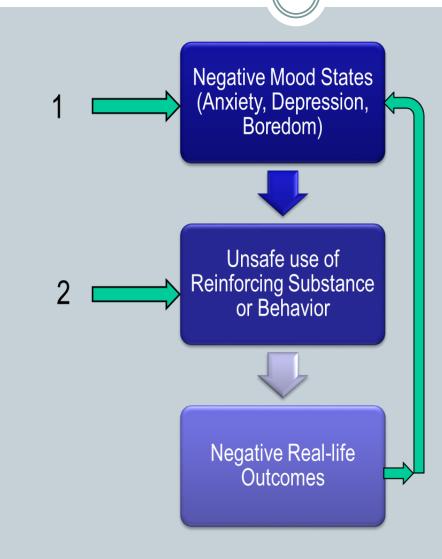
Depressive Symptoms and Problematic Internet Use Among Adolescents: Analysis of the Longitudinal Relationships from the Cognitive–Behavioral Model Manuel Gamez-Guadix, PhD (2014)



 $Note. *p < .05; **p < .01; ***p < .001, \\ \chi^{2}(371, N = 699) = 956.41, \\ NNFI = .92, \\ CFI = .93, \\ SRMR = .076, \\ RMSEA = .048(90\% CI: .044; .51). \\ RMSEA = .048(90\% CI: .046; .51). \\ RMS$

- Negative outcomes at an academic, family or social level due to problematic internet use predicted increase in depression symptoms 1 year later
- Depressive symptoms at time 1 predicted problematic internet use with negative outcomes one year later

Simplified Dependency Model



Boredom, frustration, anxiety, depression, sadness, overwhelm dread, confusion

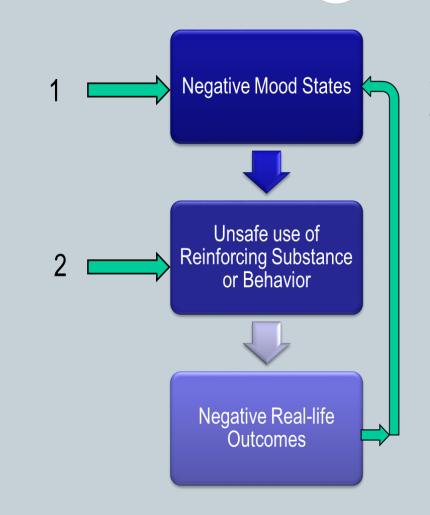
Videogames, social media, video watching, online porn, online gambling

Physical health problems: obesity, repetitive stress injuries, sleep deprivation.

Mental health issues: depression, anxiety, lowered self-esteem. Declining academics, occupational problems, relationship issues

Dependency Model Prevention and Treatment Targets

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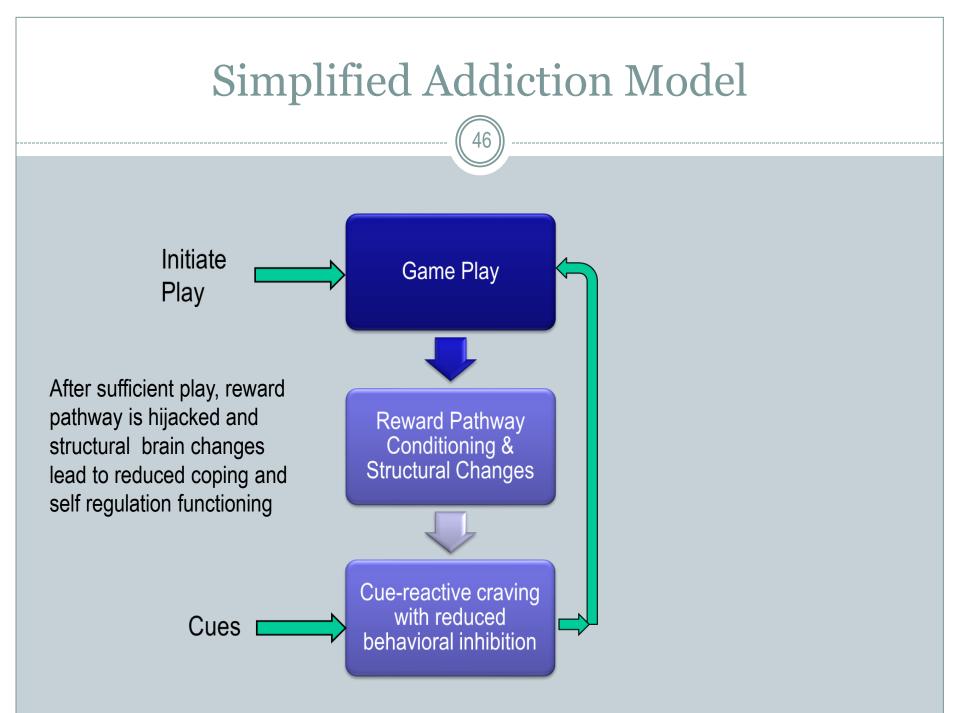


Diet, exercise, adequate sleep, other leisure activities, psychotherapy, medication, sleep hygeine

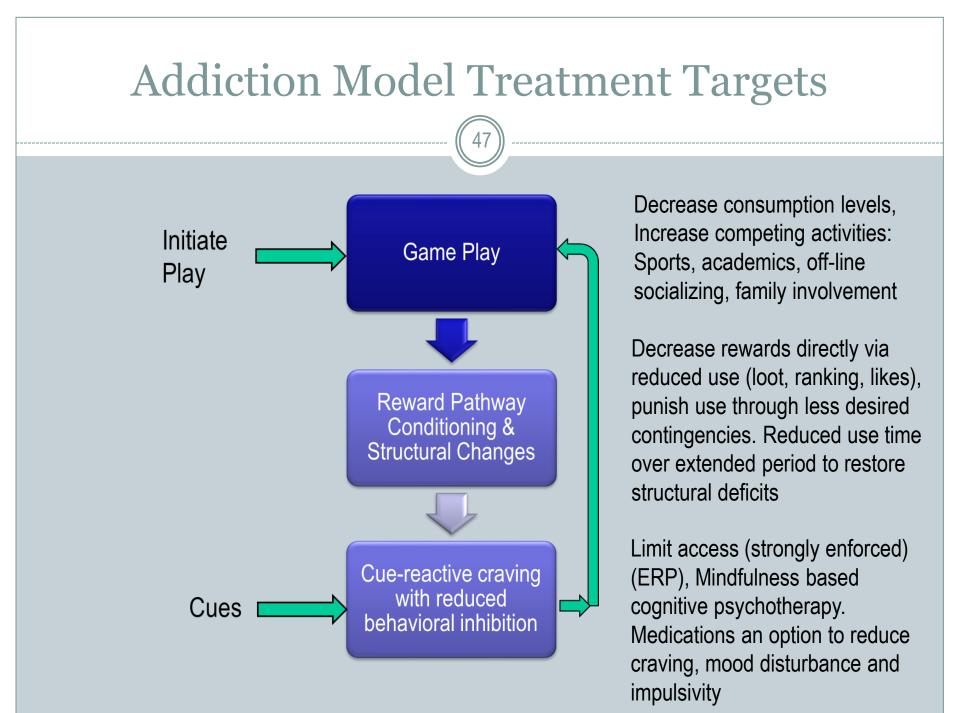
Limit use to "safe" levels

Enrichment activities (work, school, social), Family Involvement, Career/Academic Assessment

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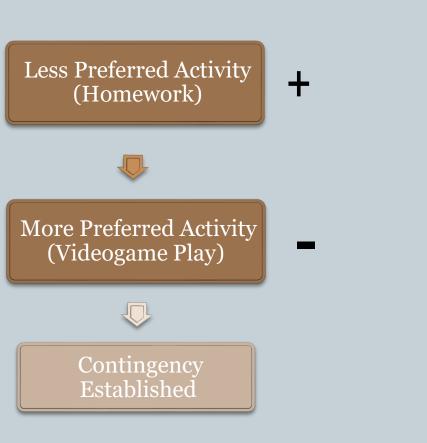
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Premack Principle (aka Grandma's Rule)

To increase the frequency of a less preferred activity, a more preferred activity is made contingent upon the occurrence of the less preferred activity.

But less known relationship: This contingency will also <u>decrease</u> the frequency of the more preferred activity.

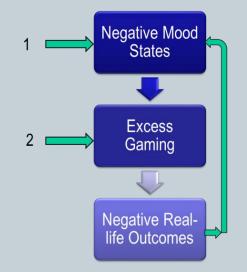
Videogame play causes Homework behavior to increase **BUT as importantly in this case** <u>Motivation for Videogame Play is reduced</u>



Integrative Multi-Modal Treatment Model

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Gaming Dependence Cycle Treatment Targets

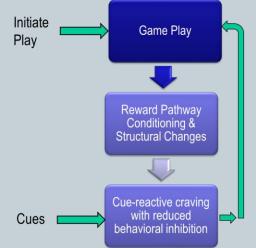


Physical activity, diet, adequate sleep, other leisure activities, psychotherapy, medication

Consistent daily usage limits to "safe" levels, relevant contingencies

Enrichment activities (work, school, social), Family Involvement, Career/Academic Assessment

Gaming Addiction Treatment Targets

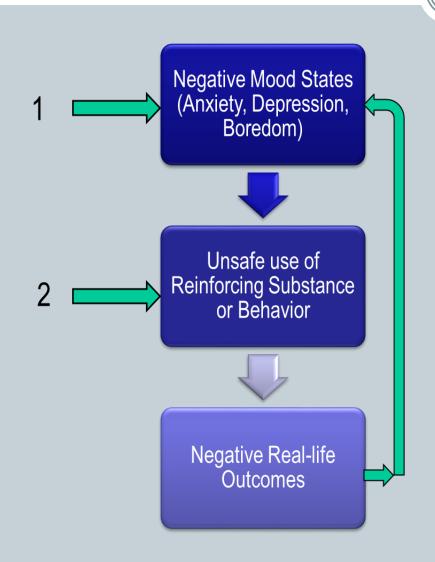


Decrease consumption levels, Increase competing activities: Sports, academics, off-line socializing, family involvement

Decrease game rewards directly via reduced play outcomes (loot, ranking, team ranking), punish play through less desired contingencies, interrupted play and team displacement. Reduced play time over extended period to restore structural deficits

Limit access (strongly enforced) to play/pseudo-play (ERP), Mindfulness based cognitive psychotherapy. Medications an option to reduce craving, mood disturbance and impulsivity

Unified Model Based On Dependency



Mindfulness based cognitive psychotherapy. Medication an option to reduce craving, mood disturbance and impulsivity. Lifestyle changes to improve diet, exercise, sleep hygiene and routine.

Decrease consumption levels by increasing competing activities: sports, academics, employment, off-line entertainment, socializing and family involvement. Set contingencies on use and strictly enforce limits. Provide use accountability.

Reduced use time over time to restore neural structural deficits. Additional time spent on other enriching activities serving to create new reward center learning and improve mood. Career assessment, family/couples counseling to reverse effects and give direction and instill hope.

Computer Addiction Treatment Program

2017 dates for our Mountain Retreat are now open! Call 888-452-1869 for availability.

Computer Addiction Treatment Program

ABOUT DIAGNOSIS TREATMENT RETREAT

CONTACT US

Get back in the game of life.

Computer, Internet, and Video Game Addiction Treatment

Are you or a loved one suffering from an unhealthy addiction to technology?

Let us help. While we can't reclaim the time lost to computer excesses, we can help you move forward toward a richer, fuller life. Our treatment and intensive outpatient programs guide you back towards a life consistent with your valued relationships, education, career, health, and personal/spiritual growth.

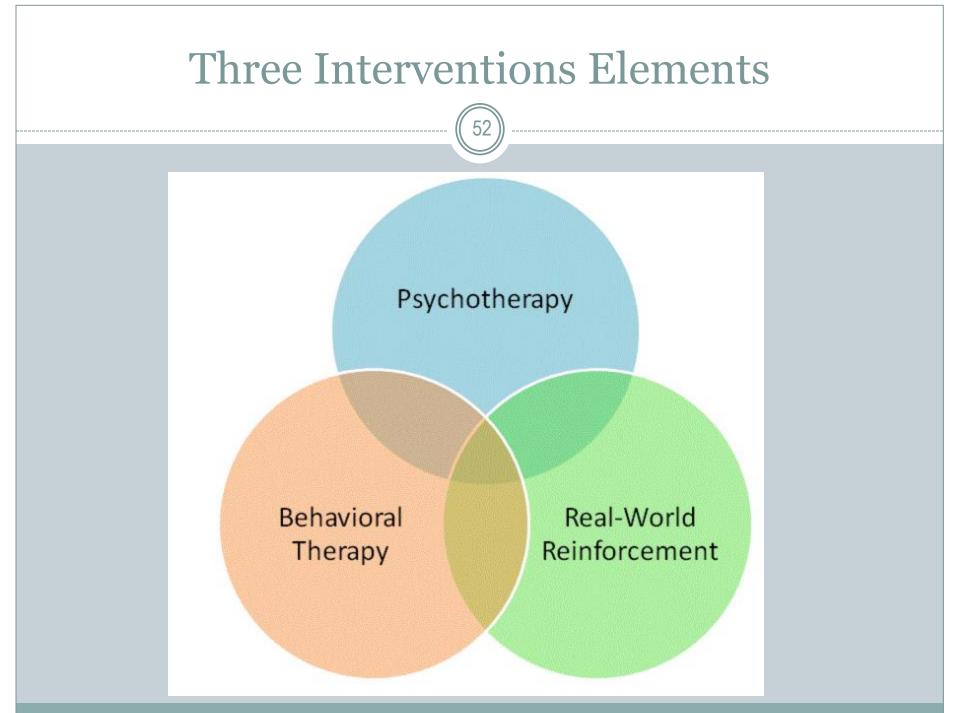
LEARN ABOUT OUR TREATMENT PROGRAM

Outpatient Treatment – Lake Forest, California

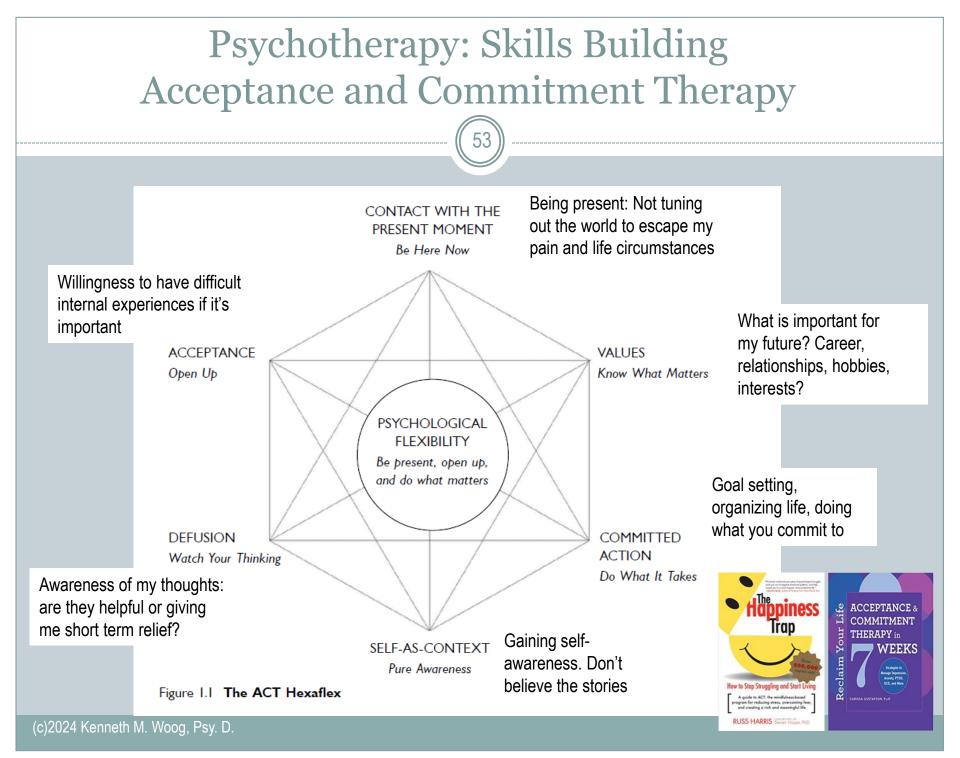
Psychotherapy and parent coaching

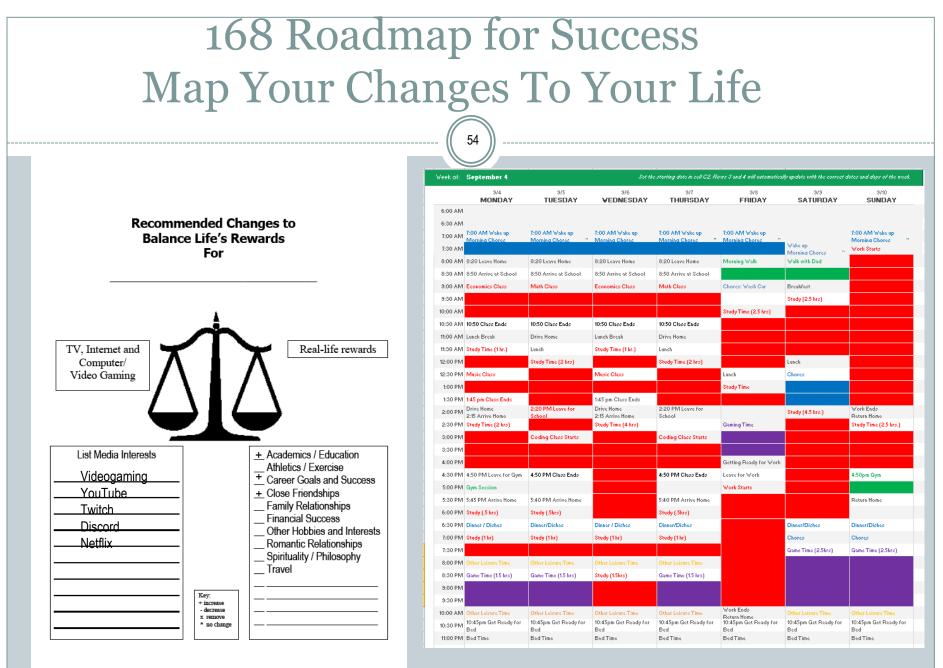
Inpatient Adult Residential – Big Bear, California

4 day Retreat, screen detox and kick-start treatment

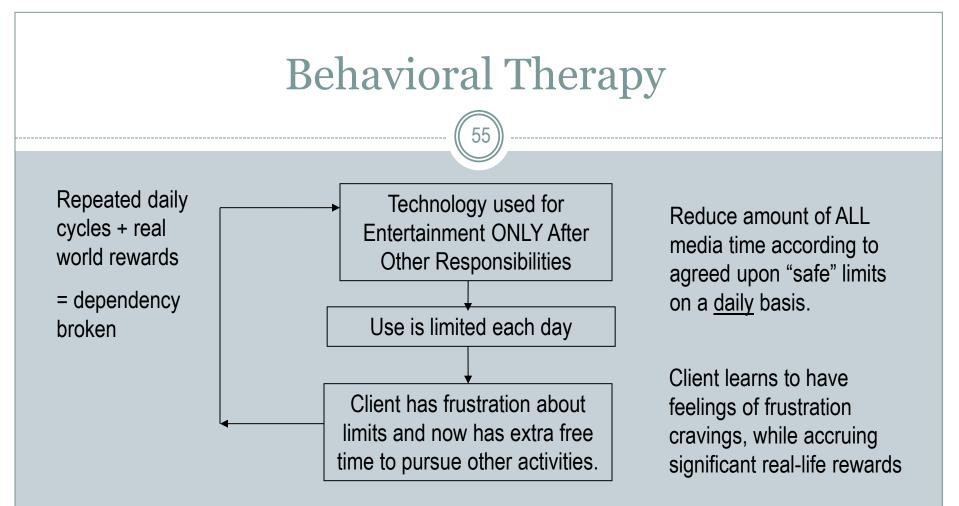


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Create the Schedule



- Identify academic, career, social/relational values and set long/short term goals
- Define the activities and milestones in support of goals
- Make gaming/media consumption contingent on completing activities in support of client's goals. Using parental controls or Sentinel Gaming System if needed.
- Reduce rewards of gaming/media consumption by reducing time spent
- Increase motivation for pursuing goals by linking them to tangible rewards

Limiting Use Challenge: 2024

Too Many Devices / Apps To Track!!

- Some you may not know they have
- Limit devices if necessary
- Many Ways to Connect
 - Cell Data, WIFI, Downloadable content
- Device Controls Not That Secure
 - Many Ways to Bypass Google it!
- "Beat the Parents Game" with children!
 - Its fun and they often win!
 - Good controls in the hands of non-tech parents
- Internet/Gaming Cafes, Coffee Shops with WIFI Hotspots
- Not really useful with adults
- Seek IT technical help if necessary

















amazon



Simplify Media/Gaming Device Availability

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• Consolidate gaming/media use to one device

- Other user's computers/tablets/smartphones in home must be secured (password protected, locked away)
- Other computers must be removed
 - × These allows secretive use and use in bed, bathroom, etc.
- Other media devices except smartphone must be removed
 - No more extra devices such as Tablets, Ipods (except Nano)
 - Additional gaming consoles or handheld system must be removed
- If possible move computer system into a common area
 Install/configure limit setting tool (parental control) on System
- Agreement that use would not start until certain time
 - Set to agreed upon daily limits
 - × If user cannot self-limit, then they meet the definition of addict
- For adults: allow attempt to self regulate smartphone first
 - If unsuccessful then they must give up the device

Sentinel Gaming System - Designed for the Treatment of Computer Addiction

- Pro Series : High Performance Gaming PC
 - Windows OS, VR, 4K ready
- Designed for Behavioral Treatment Protocol
 - Automate behavioral contingencies
 - Gradual tapering down use automatically
 - Tools to monitor and encourage productive computer time
 - Web based controls can be operated from anywhere with internet
 - View current status or modify settings/limits in real time
 - Usage monitored (when, how long)
 - Screen image capture allows accountability
- Settings for when, how long and how users can operate system
 - Gaming Mode, Study Mode, GamePlay+ Extensions
- Users may remain System Administrator of the computer system
- Highly Secure Tamper and hack resistant
- Not available to the general public treatment program clients only
- New model coming: Less expensive and can work with client's own existing gaming computer or as alternative to other devices
 - Will make it available to the general public and other clinicians





Mobile Device Parental Controls and Screen Time Support Tools

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- Children: Carrier Based Best Option
 - Cannot be defeated by child (except jailbreak)
 - Some carriers not useful if WIFI available
 - × Data based applications for voice, text, Social Media
 - Free or monthly fees (varies by carrier)
 - Change carriers if necessary
- Adults: Application Based
 - o Installed apps like Apple Screen Time can be helpful
 - Accountability partner may be required
 - For some, self restriction works for others not so helpful
 - Android "Uninstall protection" prevents removing app
 - Features and support vary by product

Bottom Line: If you can't manage it, get rid of it!





Reverse Impact of Negative Real-life Outcomes

- Get clear on life direction
 - Career Assessment, counseling
- Family and couples counseling
- Reconnect with Family and Friends
 - This may be uncomfortable, but very valuable
- Past Enrichment Activities
 - What you used to enjoy before excess screens
- NEW Enrichment Activities
 - Pick up new off-line interests and activities
- Spirit of this change: Tip the Scales Toward Real-Life Rewards
- Constantly re-evaluate
 - This is not a one time event, will be backsliding
- Outcome: Improved Mood and Wellbeing!

Negative Reallife Outcomes

Important Notes

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Abstinence Does not Cure Addiction

- Deprivation effect
- New reward center learning and developing copy skills critical

• Addiction / Dependency Treatment Takes Time To:

- Reverse negative life outcomes
- Restore reward pathway sensitivity
- Develop effective coping mechanisms

• Removing Technology Abruptly Can be Dangerous

- Negative effect on mood can result in violence / suicidal threats
- Seek Appropriate Treatment When Necessary
 - Outpatient counseling alone is generally inadequate
- Prevention is the best strategy
 - Set safe limits on time and content for yourself and children

Common Myths

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- An Individual Must Want Treatment to Get Better
 - False almost 100% of my clients did not want to be in treatment
 They just needed to participate
- They Wont Agree to Participate So There Is Nothing I Can Do
 - False set boundaries on dependent children/adults) or partner
 - × Must participate or else there must be some form of consequence
 - Treatment with an SGS Computer an alternative to kicking out an adult child
 - They may not feel the immediate consequence, but it will come eventually

• The Individual Has the Problem, They Alone Need Treatment

- False "Addiction is a family disease" and the family also needs support
- Family participation, even with adult patients results in better outcomes
 - **x** Family members increase motivation to participate
- We should just kick him out and let him figure it out
 - **False** you would never abandon a sick child because they resist treatment

How to Classify and Code: 2024?

- No Behavioral Addiction Dx or ICD 10 Code
 Pathological Gambling renamed Gambling Disorder in the DSM 5
- Common Codes for Gaming, Social Media and Online Porn Addiction:
 - o Diagnosis ICD-10 Adult
 - × Other impulse disorders F63.89, Impulse disorder, unspecified F63.9
 - Diagnosis ICD-10 Children/Adolescents
 - F98.9 Unspecified behavioral and emotional disorders with onset usually occurring in childhood and adolescence
- Gambling:
 - o ICD-10 Pathological gambling F63.0
 - O DSM 5 Gambling Disorder
- Plus other co-occurring disorders



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Video Gaming Addiction Treatment Cases

Sample of those presented at 2019 Southwestern School for Behavioral Health Studies

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Age Referral

25 College suspension College suspension 22 College suspension 22 No school, no work 31 College suspension 20 Unemployed, gaming self 27 **Declining academics** 16 College suspension 23 College suspension 23 Unemployed, gaming 27 Sentinel

Sentinel self Sentinel Sentinel self self abstinence Sentinel self

Failing college 23

yes no no yes no ves no no

as needed ves no no 1/month 1/week as needed as needed 3 sessions 10 sessions 1/week 1/month 1/week yes

Current Status

ongoing, successful college term failed recent college term ongoing, successful college term successful college term, employed, moved out failed college, returning to cc college employed, gaming 5-10 hrs./week schoolwork improved, refused Sentinel working full time, no gaming, returning college working, successful college term, stopped gaming part time employment, gaming >35 hrs/week successful college term

Initial psychotherapy ranges from 3-6 months •

Behav. Tx Ind. Tx Family Tx

- Longer times based on lower involvement
- Behavioral treatment ranges from 6 months to 18 months
 - Recommend extending it as long as practical
- Dropout before behavioral protocol established guarantees failure

Summary of Clinical Observations

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- Family involvement in treatment had better outcomes
 - Lower no show rate and completion of between-session work
 - Pre-warn parents that client may lose complete interest in gaming
 - This is not usually a treatment goal but does happen
- Psychotherapy in the absence of behavioral intervention showed poorer outcomes
- Brief behavioral interventions do not show lasting treatment effects
 - Premature conclusion of "successful" treatment problematic
- Consistent application of the behavioral intervention, *even in the absence of psychotherapy* resulted in a reduced motivation for play for some clients, and these effects seem to persist long term.
- Those successfully treated seem to maintain treatment effects
 - Clients do not return after successful treatment

PROTECT Program for Evidence-Based Prevention and Treatment (2020)

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- "The PROTECT intervention is an evidence-based approach which has been shown to significantly reduce symptoms of Internet use disorders over 12 months in two independent studies."
- "It uses psychoeducation, cognitive interventions, behavioral interventions, and emotion regulation interventions"
- "PROTECT was highly accepted and feasible in schools and the user satisfaction was high"

Katajun Lindenberg Sophie Kindt Carolin Szász-Janocha

Internet Addiction in Adolescents

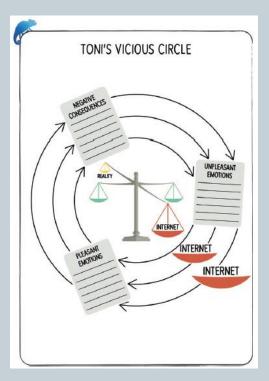
The PROTECT Program for Evidence-Based Prevention and Treatment



PROTECT Program for Adolescents

- See similarities to my treatment model but targeted toward adolescents in a group setting
 - Psychoeducation
 - CBT with Mindfulness
 - Behavioral Interventions
 - Skills building focus
 - Change Planning





Prevention

"An ounce of prevention is worth more than a pound of cure".

• Establish use contingencies and set "safe" daily limits on media consumption

• Monitor media and gaming activity to ensure safe limits and appropriateness

- Ensure adequate sleep, physical activity, healthy diet, enjoy other leisure activities and participate in a variety of enrichment activities.
- Ensure need for achievement, success is met through other means such as academics, employment, sports, artistic expression, etc.
- Ensure need for connection with others is met through face-to-face contact.
- Ensure emotional support and encouragement provided from loved ones.
 Not primarily from online gaming friends or social media
- Expect this to be an ongoing battle no one said this was easy
 - Relapse is likely not a sign of failed treatment
- Videogame and social media industries and new societal norms putting pressure on everyone
- Join the movement to reverse this (i.e. Wait Until Eight)

How Much Screen Time for Children?

- Pre-school age children
 Parents and technology
 - Many parents use technology as a parent helper.

World Health Organization
American Academy of Pediatrics

Screen time recommendations			
<u>0-1 y/o</u>	2-4 y/o	<u>5-18 y/o</u>	
0	<1	N/A	
0-2	2-5 y/o	6-18 y/o	

"Balance"

<1

0

- Elementary, Middle School, High School Entertainment Screen time
 - No guidance from WHO or AAP on amount of time
 - × Lifestyle balance, AAP has Media Time Calculator (Spoiler alert: just leftover time)
- Guidance on limits to video gaming + other entertainment screen time* <u>Gentile et al. (2009), 25+ hrs./week significantly problematic 8 -18 y/o</u>
 - × 6-7 (Elementary) <1 hr./day, maximum 6 hrs./week
 - × 8-11 (Elementary) <1.5 hrs./day, maximum 9 hrs./week
 - × 12-13 (Middle School) <2 hrs./day, maximum 12 hrs./week
 - × 14-18 (High School) < 2.5 hrs./day 15 hrs. /week
- Guidance on limits to social media time
 - Riehm, K. E., et al (2019) : 3 hours = 2x mental health risk
 - < <14 (Elementary and Middle School) = no social media time</pre>
 - × 14-16 (High School) <30 minutes / day only with monitoring
 - × 16- 18 (High School) <1 hour /day



"Seen too many problems to not take a stand"

What Parents Need to Know: College Issues

- If your college bound child has had issues with screen time management before college, this will not go away when they reach college
 - Stress, isolation, loneliness, boredom
 - Lots of videogame play in college dorms!
- Test your child's ability to self regulate before they go off to college
 - Relax limits with understanding this is a test of self-regulation and readiness for college
- Demand 100% access to your child's school on-line accounts.
 - Not just the guest account they might have to help you with 2FA
- Request access to their course syllabus
 - Ask them about their study habits
- Regularly check your child's account to verify class participation and grades.
 - Know their classes and schedule
 - Academic suspension is too late
- Check in with your child regularly from day one
 - Empathize with struggles
 - Increased avoidance of parental contact is a common red flag
- Visit your child at school unannounced, even if things appear to be going well
- Seek professional help at the first sign of problems

Opposing Voices: Reader Beware

- Research published to counter negative reporting
- Media presenting opposing views good, but...
 - Sensationalized headlines sell
 - Little real critical analysis of the research
 - <u>Consider the motivation for research outcomes or misinterpretation</u>
- "Age that kids acquire mobile phones not linked to well-being"
 - Flaws: limited sample demographic, no control of parental choice, implies that smartphone use is not linked to any problems in youth
- "Time spent playing video games is unlikely to impact well-being"
 - Flaws: Single item self report on wellbeing, short, 2 week timeframe for each self evaluation. : 2 weeks with three waves. Excluded hours of play over 3 /day. Game play times only recorded for specific games, high use cases excluded, avg. age 23 y/o. Recommendation:
- Use common sense, intuition, self knowledge
 - Safety first, but even safe does not mean appropriate
 - Choose personal values over societal norms. Cigarette anyone?



"With technology we are bringing boredom to the brink of extinction. Satisfying this with the immediate gratification of media consumption may have tragic consequences for mankind"

Resources

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2017 dates for our Mountain Retreat are now open! Call 888-452-1869 for availability

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