

PORN AND DATING APPS, WHAT ELSE?

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4. Département de Psychiatrie et d'Addictologie, Université de Montréal, Canada

Pas de conflits
d'intérêts

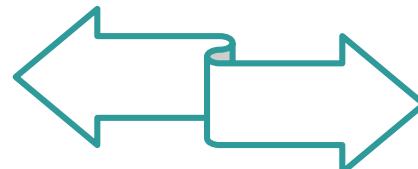
Image: Joelle Cababanne

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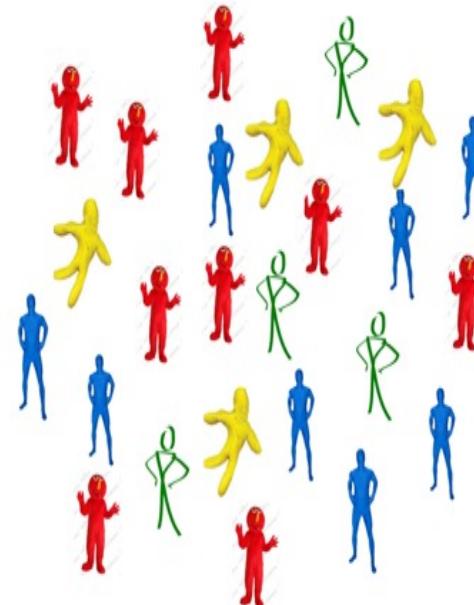




DESIGN
specific digital
services



Person/ Society

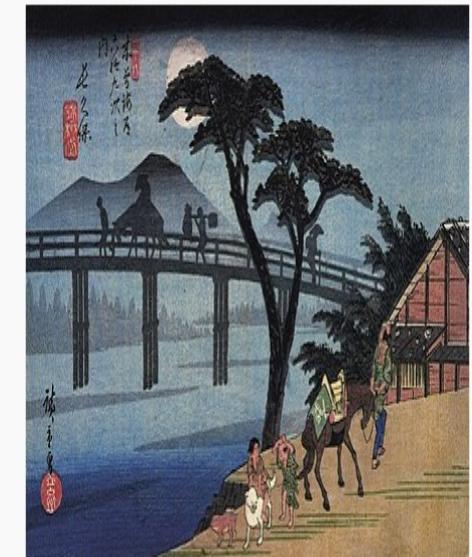




<https://www.connaissancedesarts.com/arts-expositions/le-erotisme-au-japon-a-lepoque-dedo-115047/>

Époque d'Edo 江戸時代

1603–1868



Entomo da Hiroshige

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porno

Terme de recherche

porn

Terme de recherche

+

France ▾

12 derniers mois ▾

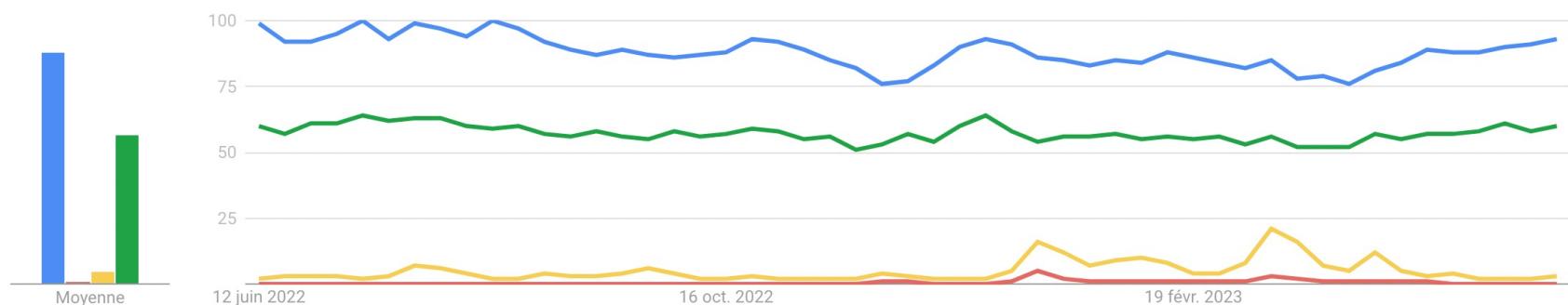
Toutes catégories ▾

Recherche sur le Web ▾

! Remarque : Cette comparaison contient à la fois des termes de recherche et des sujets, qui sont calculés différemment.

[EN SAVOIR PLUS](#)

Évolution de l'intérêt pour cette recherche [?](#)



PORN S

YOU

PORN



Search, discover and more!



★ Upgrade

Videos

Categories

Live Sex

ECHTE HUREN

Live Cams

Pornstars



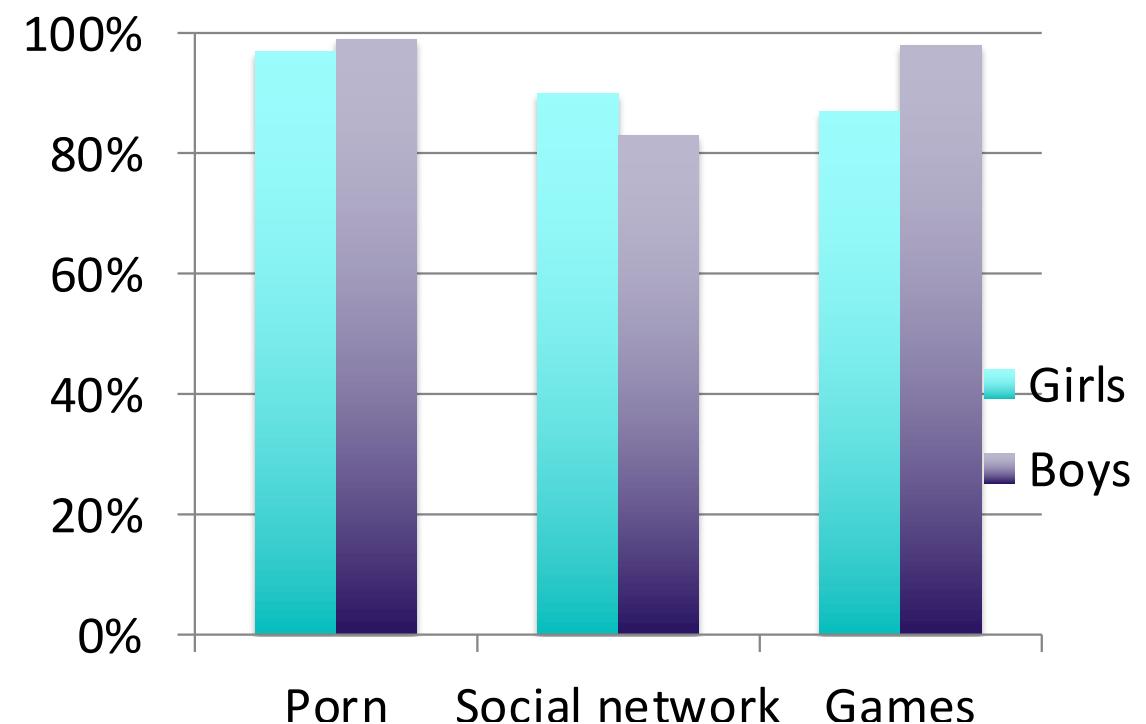
^

- stories and dialogues.

«I believe that pornography use is morally wrong”

Ben-Brahim, Courtois, Khazaal et al. In preparation

Montreal
N = 3938
High school students
56.3% Girls
Age range: 14-21



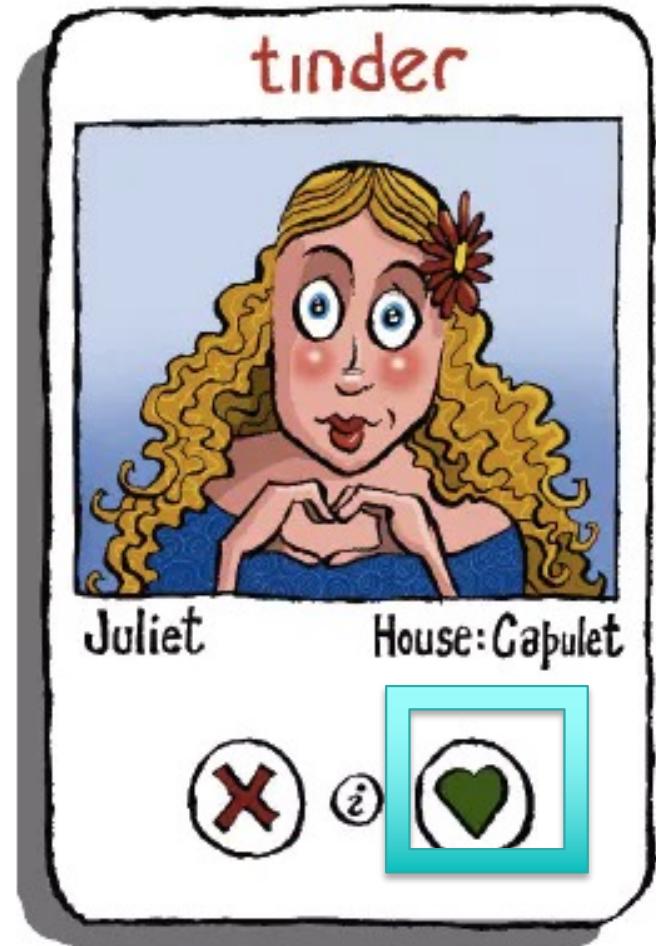
Dufour, Khazaal et al. 2016



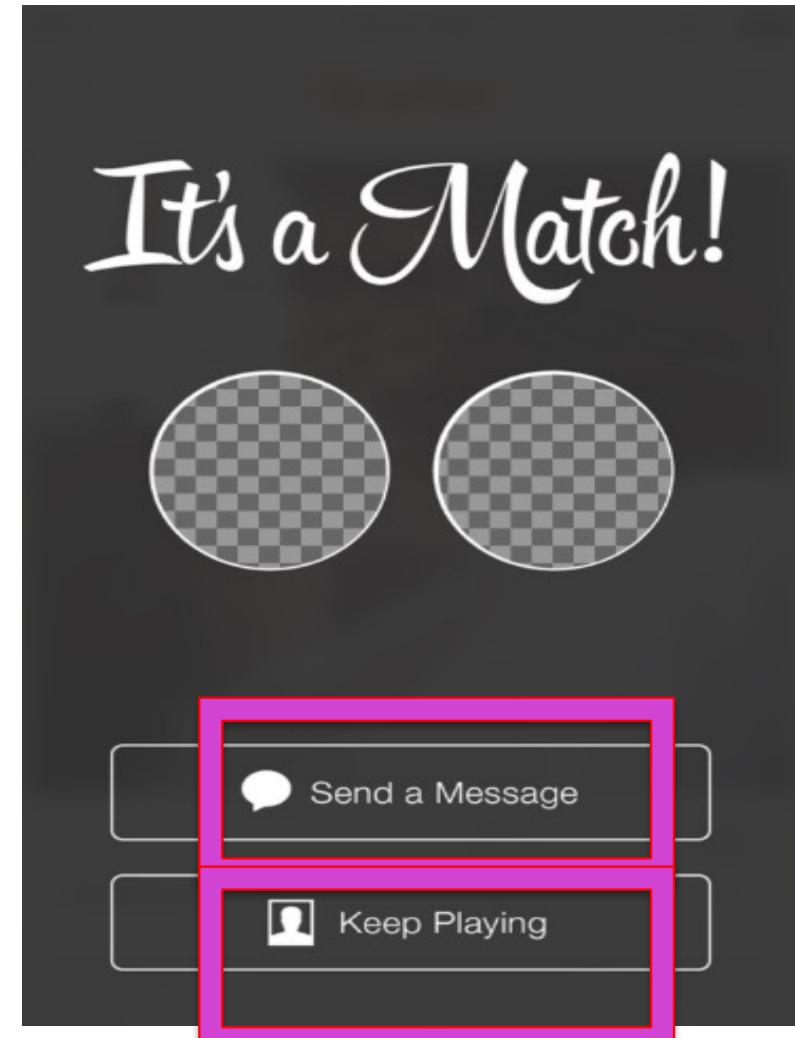
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Lost in translation

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Theo Hobson, The Spectator

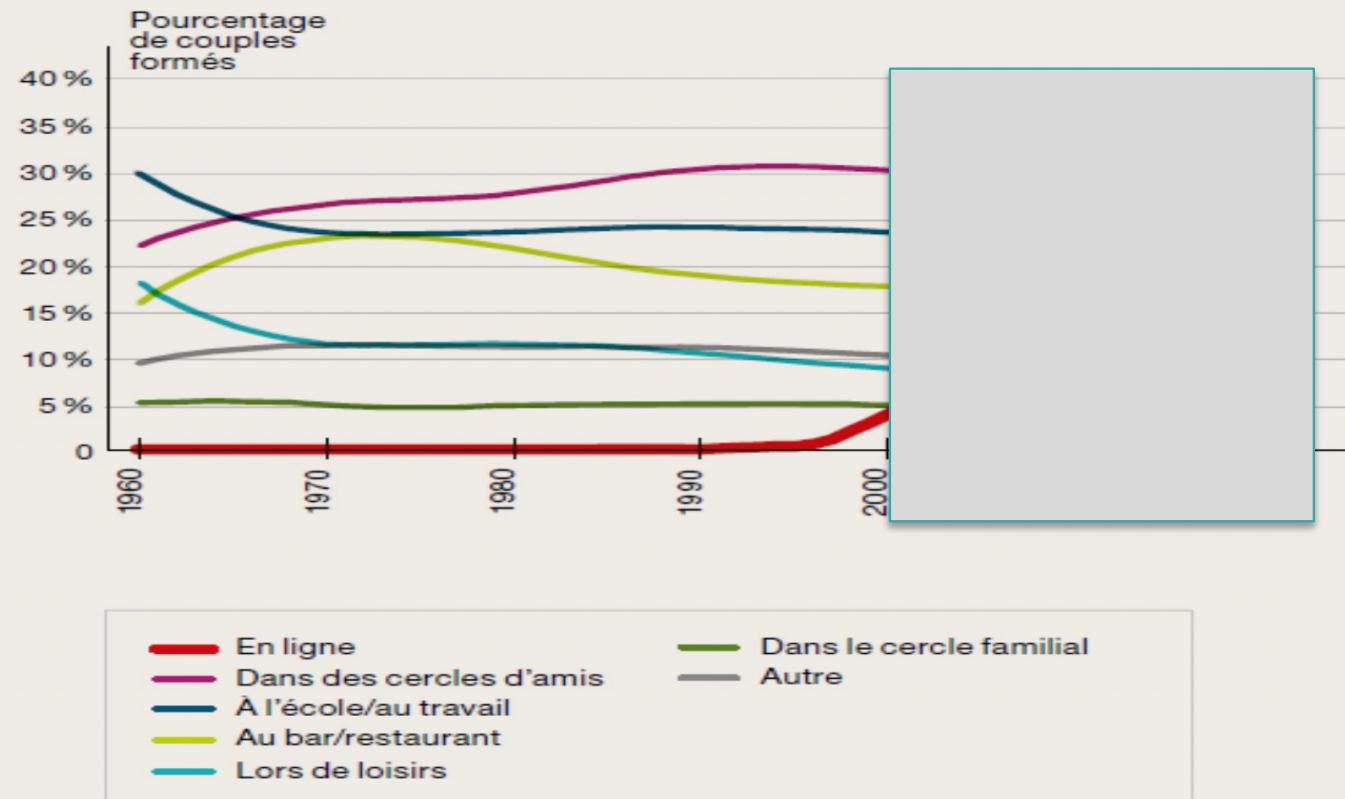


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<https://www.businessofapps.com/data/tinder-statistics/#4>

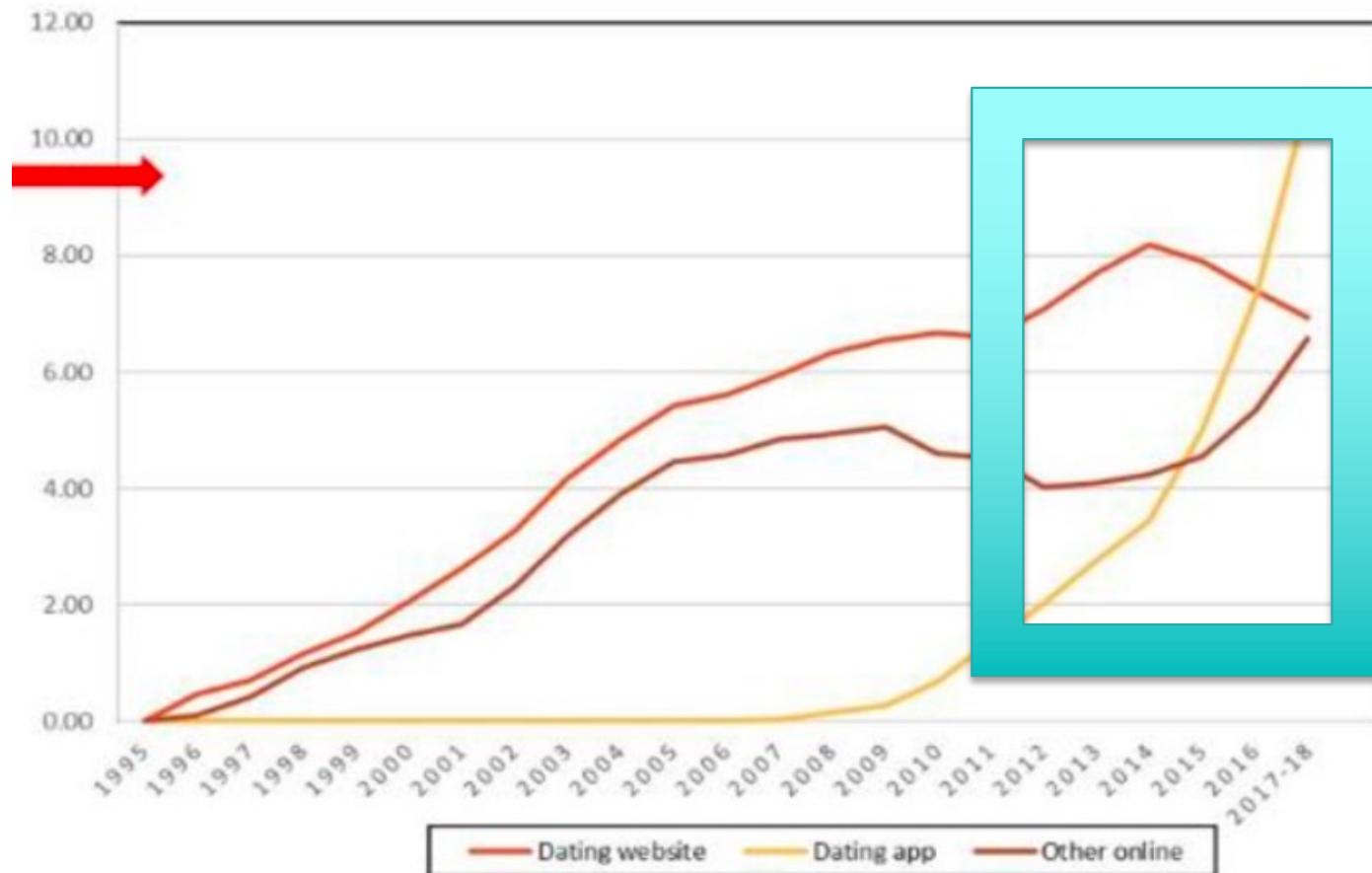


LIEUX DE RENCONTRE DES COUPLES EN SUISSE



Source: Enquête sur les familles et les générations, Office fédéral de la statistique, 2018
Le total excède 100% car les catégories ne sont pas exclusives.
Ces données comprennent les couples homosexuels et hétérosexuels.

B. THE ONLINE MEETING CONTEXTS OF HETEROSEXUAL COUPLES IN SWITZERLAND, 1995-2018



- Gaming
- Social Network

N = 3938
**High school
 students**
 56.3% Girls
 Age range: 14-21

Table 1. Intensity of Time Spent on Internet Activities Each Week According to Gender.

Applications	Boys, % (n)	Girls, % (n)	P Value
Social networks (<i>n</i> = 3880)			
≤19 hours	99.81 (1527)	92.11 (1912)	<0.0001
≥20 hours	10.09 (172)	16.89 (369)	
YouTube (<i>n</i> = 3882)			
≤19 hours	92.10 (1562)	93.85 (2052)	0.0326
≥20 hours	7.90 (135)	6.15 (133)	
Chat (<i>n</i> = 3871)			
≤19 hours	96.88 (1635)	95.17 (2077)	0.007
≥20 hours	3.125 (53)	4.83 (106)	
Blogs (<i>n</i> = 3871)			
≤19 hours	99.29 (1681)	98.95 (2155)	0.25
≥20 hours	0.70 (12)	1.05 (23)	
News (<i>n</i> = 3870)			
≤19 hours	99.65 (1684)	99.86 (2177)	0.16
≥20 hours	0.35 (6)	0.14 (3)	
MMORPGs (<i>n</i> = 3883)			
≤19 hours	90.23 (1529)	99.41 (2173)	<0.0001
≥20 hours	9.77 (168)	0.59 (13)	
Online games (<i>n</i> = 3874)			
≤19 hours	87.30 (1481)	98.85 (2156)	<0.0001
≥20 hours	12.70 (215)	1.05 (22)	
Downloading music or films (<i>n</i> = 3876)			
≤19 hours	97.13 (1648)	97.90 (2134)	0.1239
≥20 hours	2.87 (49)	2.10 (45)	
Adult sites (<i>n</i> = 3873)			
≤19 hours	97.22 (1635)	99.77 (2186)	<0.0001
≥20 hours	2.78 (47)	0.23 (5)	



Beaucoup de temps, c'est combien ?
Beaucoup de temps, c'est quoi ?

Image: zgallerie; Thecrazysoprane



Chris
2012

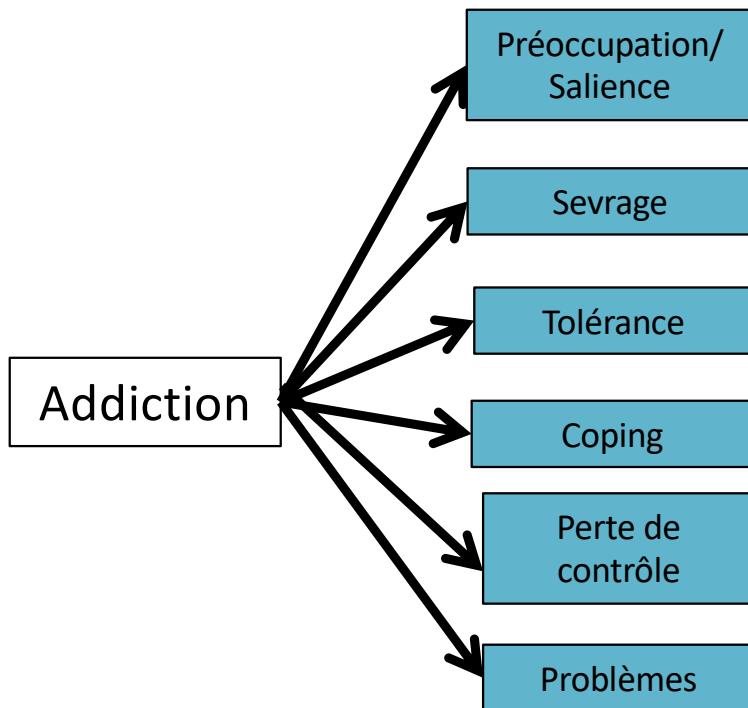
||||| Hikikomori ; yzgeneration ||||| Unil UNIL | Université de Lausanne ||||| CHUV Faculté de biologie et de médecine

Hikikomori ; yzgeneration

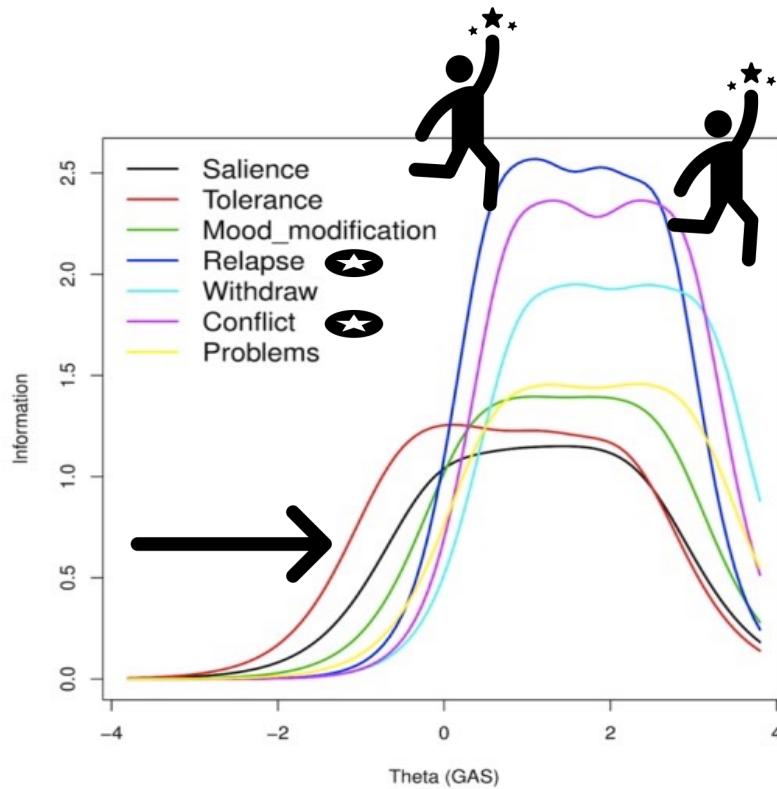
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ADDICTION?



Young 1998; image Zullino 2007; Khazaal et al. 2008; Griffiths et al. 2005; Meerkerk et al. 2009; Khazaal et al. 2011; Khazaal et al 2012; Starcevic 2016; Kaptosis et al. 2016; Gmel, Khazaal et al. 2019

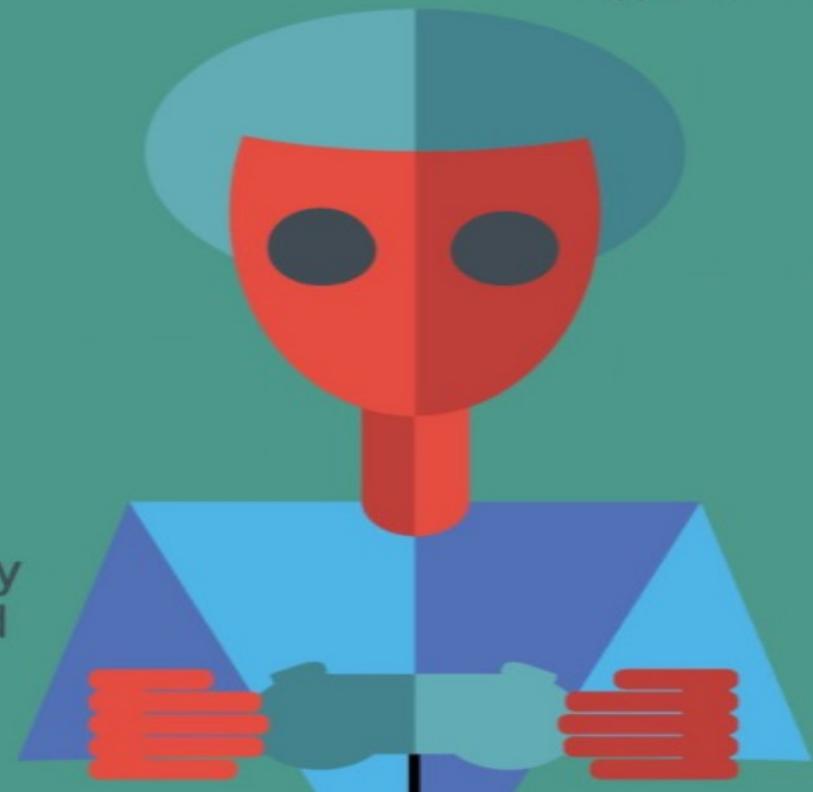


N = 5983
 Age: 20.0 years (SD = 1.2)
 Men: 100%

GAMING DISORDER CODE 6C51



For the first time,
WHO is classifying
gaming disorder
as an addictive
behaviour disorder
– now we can
measure how many
people are affected



Addiction

Trouble lié au Jeu Vidéo (Gaming Disorder)

1. **Priorité donnée au jeu** (par comparaison aux tâches quotidiennes et autres loisirs)
2. **Perte de contrôle** sur les conduites de jeu vidéo
3. **Conséquences négatives liées au jeu** (sociales, personnelles, professionnelles...)
4. Altération significative du fonctionnement
5. Pendant au moins 12 mois



<https://icd.who.int/browse11>; Image: Zullino 2008



AKADÉMIAI KIADÓ

Journal of Behavioral
Addictions

DOI:
[10.1556/2006.2022.00013](https://doi.org/10.1556/2006.2022.00013)
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Assessment of Criteria for Specific Internet-use Disorders (ACSID-11): Introduction of a new screening instrument capturing ICD-11 criteria for gaming disorder and other potential Internet-use disorders

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ANDREAS OELKER¹, RUDOLF STARK^{3,4,5} ,
ASTRID MÜLLER⁶ , CHRISTIAN MONTAG⁷ ,
KLAUS WÖLFLING⁸, HANS-JÜRGEN RUMPF⁹  and
MATTHIAS BRAND^{1,2*} 

ACSID-11

- active dating apps and cyberporn consumers (N = 1823)
 - the Problematic Tinder Use Scale (PTUS),
 - the Problematic Pornography Consumption Scale (PPCS-6)
 - The original four-factorial structure was confirmed both for dating apps and cyberpornography use.
- ACSID-11 scores correlated with the PTUS, PPCS-6,

ACSID-11 (INTENSITY/FREQUENCY)

Table 2. Pearson correlation between ACSID-F and ACSID-I symptoms

ACSID-F/ACSID-I	Impaired control	Increased priority	Continuation/escalation	Functional impairment	Marked distress
Impaired control	0.57	0.49	0.53	0.46	
Increased priority	0.90	0.68	0.62	0.55	
Continuation/escalation	0.67	0.91	0.65	0.64	
Functional impairment	0.61	0.63	0.84	0.58	
Marked distress	0.58	0.65	0.63	0.84	

ACSID-F = Assessment of Criteria Specific Internet-use Disorders - Frequency.

Specific Internet-use Disorders - Frequency.

ACSID-I = Assessment of Criteria Specific Internet-use Disorders – Intensity.

N: 1823

Tinder and Porn use

.....

Vera Cruz, Khazaal et al. In preparation

ACSID VS. PPCS

Table 5. Logistic regression results: Estimated beta coefficients of the associations between PPCS and ACSID dimensions/symptoms and CSBD “normal” vs “pathological” cases

Latent classes	Covariates	b	SE	p	OR	OR 95%CI
Model 1: Nagelkerke R² = 60%						
Scales total score	PPCS	1.085	0.102	<0.001	2.96	2.42 - 3.61
	ACSID	1.357	0.230	<0.001	3.88	2.47 - 6.09

N: 1823

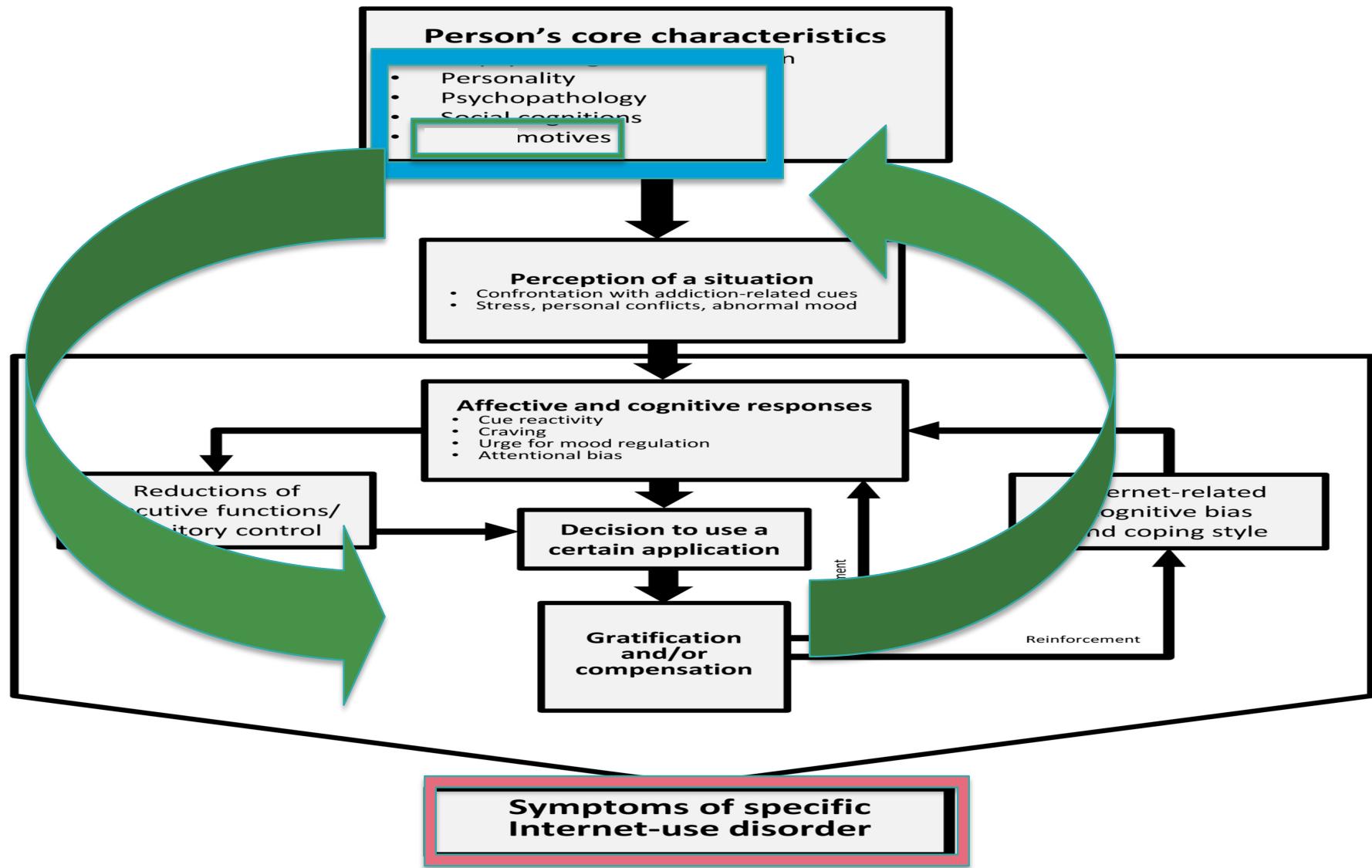


FIGURE 1 | Reduced version of the I-PACE model (Brand et al., 2016).

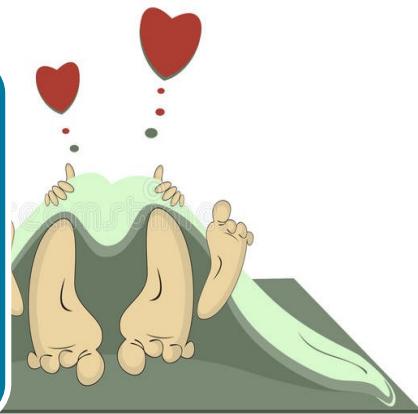


Variabilité psychologique?

Image: zgallerie; AlexToohe; Le petit prince; Marjana

TINDER USE

Cybersex Motives



Sexual Desire

Experiences in Close Relationships



Self-esteem

Impulsivity



Kaplan 1995; Spector et al. 1996; Joseph et al. 2004; Billieux, Khazaal et al. 2012; Ortigue & Bianchi-Demicheli 2008; Fraley et al. 2000; Lafontaine et al. 2003; Dosch et al. 2016; Varfi, Khazaal et al. 2019; Stockfresh.com; Tex Avery Wolf buckwriter.wordpress; nathalie gabril.com; Morrig cartoonstock

A CLUSTER ANALYTIC APPROACH

N: 1159
53% Men
Age: 30; SD: 9.2

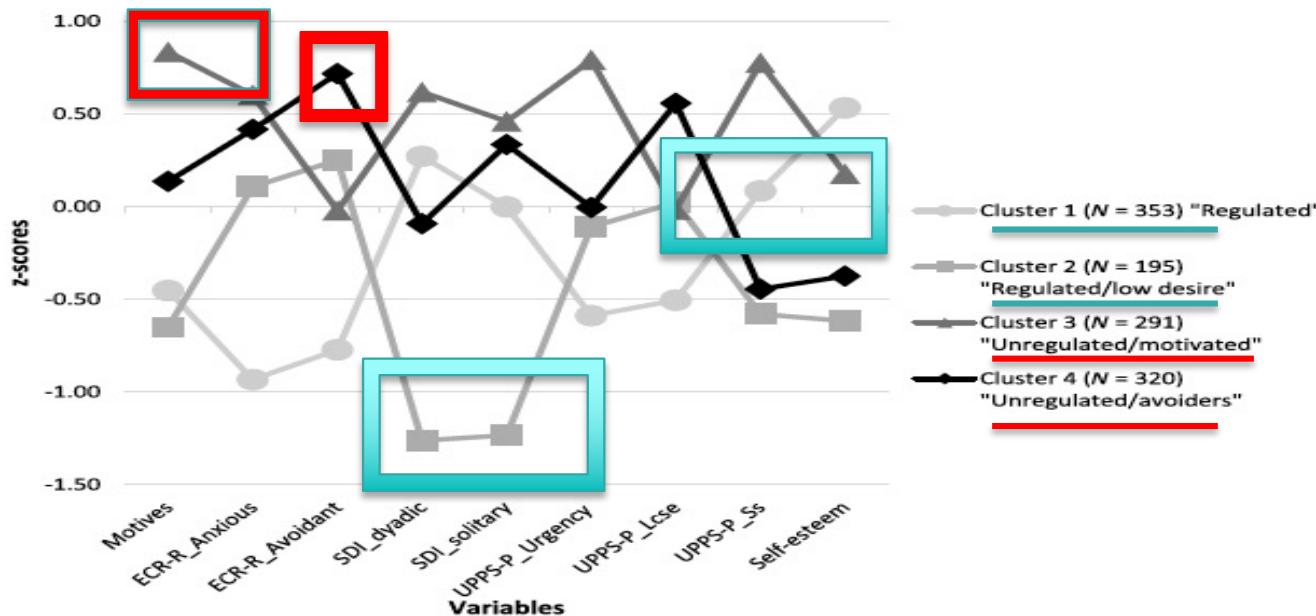


Figure 1. Means for Tinder-use-related factor scores in cluster profiling (z-transformed). Motives: global score from the cyber sex motives questionnaire adapted for Tinder; ECR-R: Experiences in Close Relationships – Revised; SDI: Sexual Desire Inventory; UPPS-P_Urgency: urgency factor from the short version of the UPPS Impulsive Behavior Scale; UPPS-P_Lcse: lack of conscientiousness factor from the short version of the UPPS Impulsive Behavior Scale; UPPS-P_Ss: sensation-seeking factor from the short version of the UPPS Impulsive Behavior Scale; Self-esteem: score from the SISE

Rochat, Khazaal et al. 2019; Vera Cruz, Khazaal et al. In press.

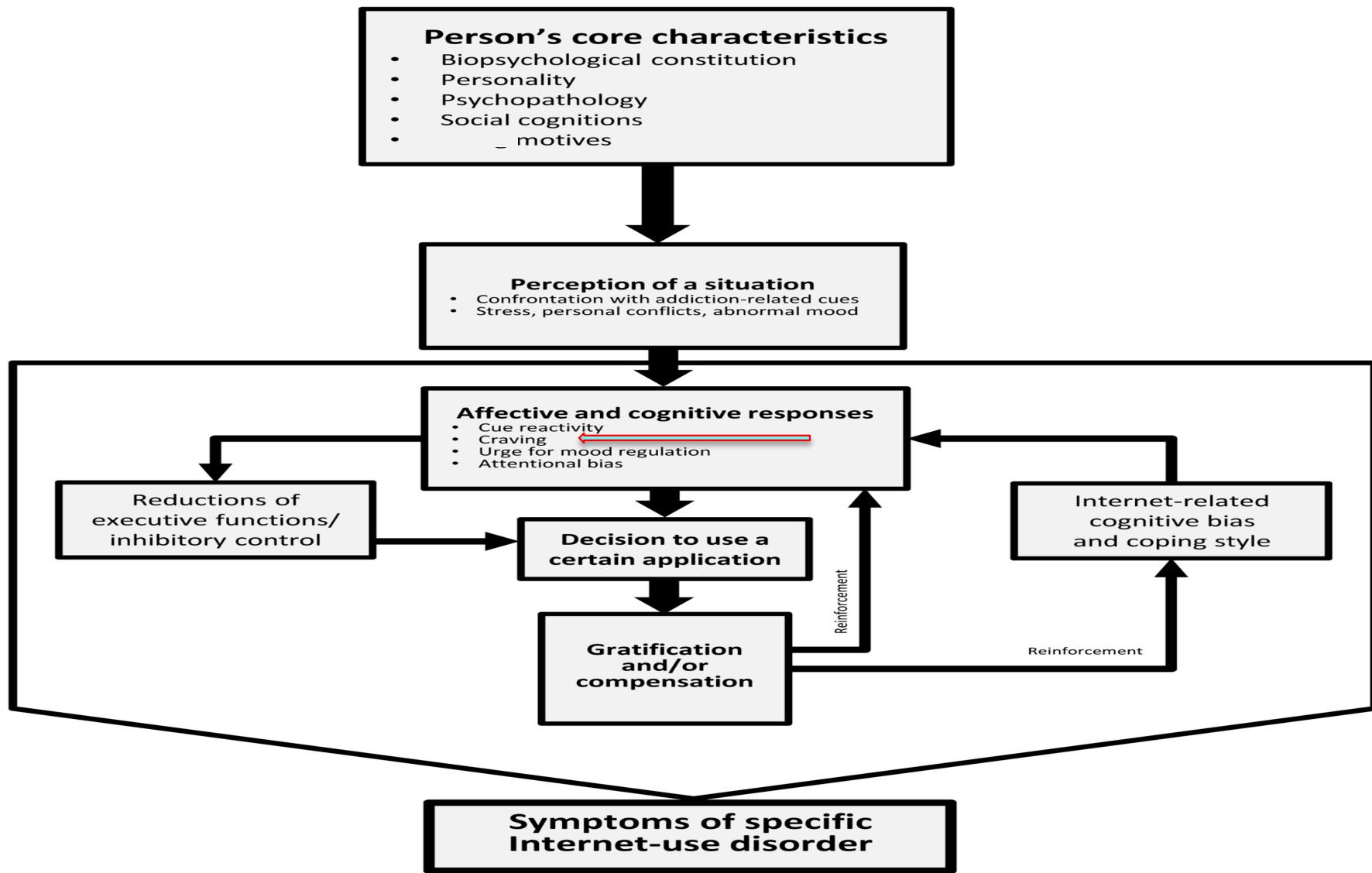


FIGURE 1 | Reduced version of the I-PACE model (Brand et al., 2016).

What Do I Do With My Craving For Sex?

Desire Series #4



The Craving Experience Questionnaire: a brief, theory-based measure of consummatory desire and craving

Jon May¹, Jackie Andrade¹, David J. Kavanagh², Gerald F. X. Feeney³, Mathew J. Gullo^{4,5}, Dixie J. Statham⁶, Jessica Skorka-Brown¹, Jennifer M. Connolly², Mandy Cassimatis², Ross McD. Young^{3,7} & Jason P. Connor^{3,4,5}

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Intensity: Think about the time in the last month you most wanted to watch porn. At that time...how much did you want it?

Imagery: At that how vividly, did you picture doing it?

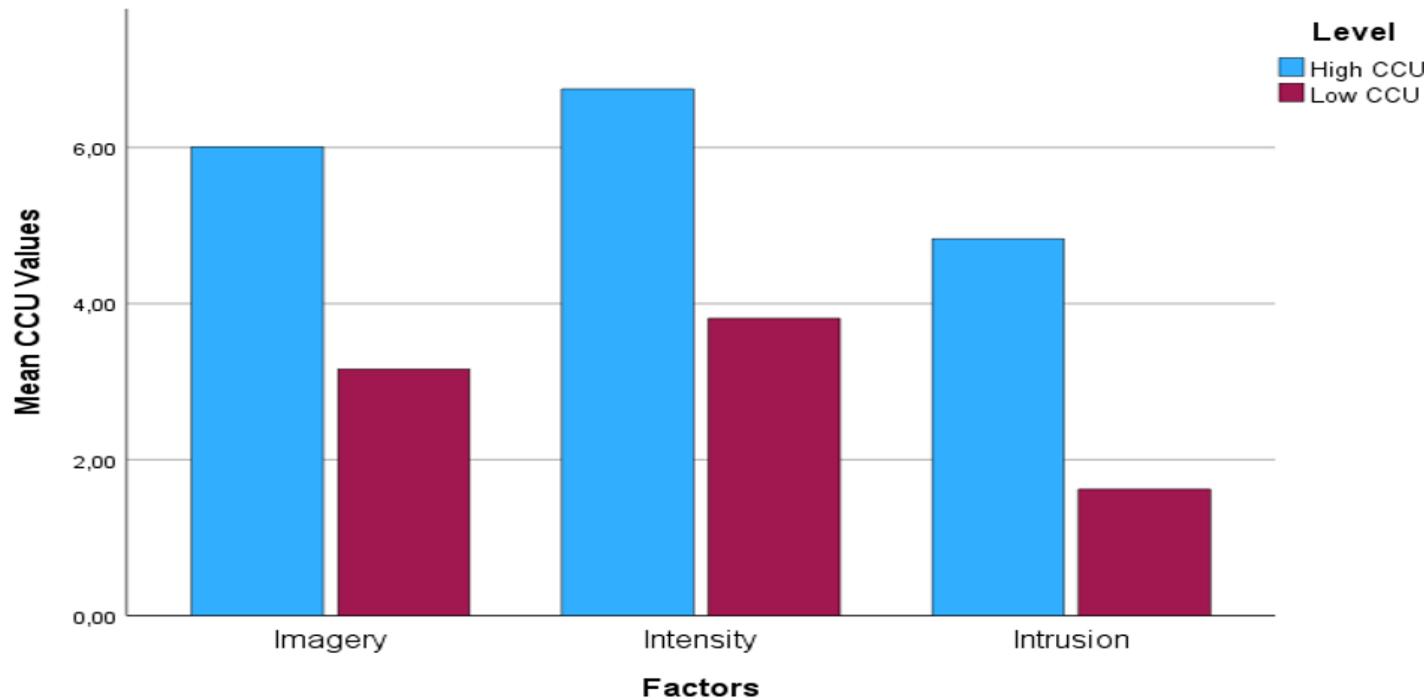
Intrusiveness: At that time, how hard were you trying not to think about it?

Table 3. Zero-order correlation between Pornography Craving Experience-Strength (PCE-S) and Compulsive Cyberporn score (CCU), Frequency of Cyberporn Use (FCU), UPPS-P negative urgency, and UPPS-P positive urgency.

PCE-S subscales	Imagery	Intensity	Intrusion	CCU	FCU	UPPS-P negative urgency	UPPS-P positive urgency
Imagery	--	0.658**	0.523**	0.396**	0.327**	0.093**	0.148**
Intensity	0.658**	--	0.525**	0.442**	0.462**	0.103**	0.160**
Intrusion	0.523**	0.525**	--	0.447**	0.275**	0.163**	0.190**

**Correlation is significant at the 0.01 level (2-tailed).

UPPS-P = Urgency, Premeditation, Perseverance, Sensation Seeking, Positive Urgency



Compulsive Cyberporn score (CCU),

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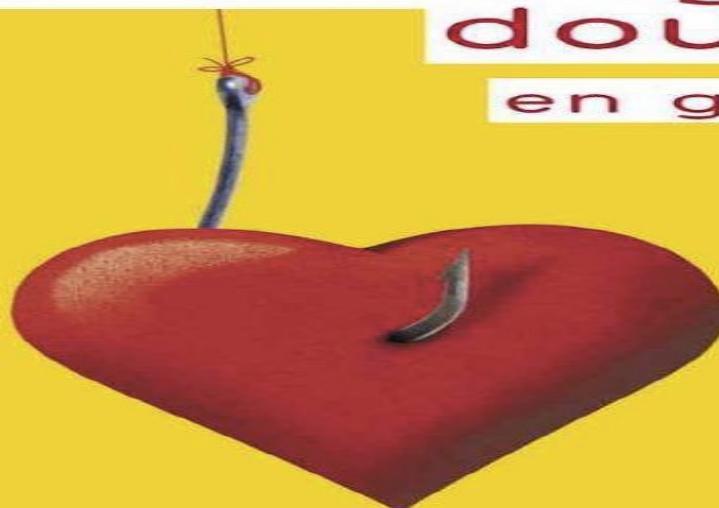
Implications

DIGITAL WELL-BEING

Image: zgallerie; AlexToohei

**MICHEL
REYNAUD**

L'amour est
une drogue
douce...
en général



Champs essais

|||||

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Anne Chatton



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Sophia Achab



Magali Dufour



Tania Lecomte



Lucia Romo



Cora Von Hammerstein



Amandine Luquiens



Stéphanie Baggio



Farah Ben-Brahim
Robert Courtois



Daniela Dunker-Sheuner



Nathalie Ginovart



Emmanuelle Jeker

Stephane Rothen



Gabriel Thorens



Francesco Bianchi -Demicheli



Vladan Starcevic



François Borgeat



Daniele Zullino



Lucien Rochat



Joël Billieux



Jean-François Etter



Ueli Kramer



Gerhard Gmel



Charles Bonsack



Jérôme Favrod





Norman Sartorius



Guido Bondolfi



Jean-Michel Aubry



François Ferreo



Yves Edel



Jacques Cornuz



Heleen Riper



Michael Schaub



François Ansermet

Tomas Ros



Elias Aboujaoude



Robert Courtois



Marc Potenza



Dzmitry Krupchanka



Riaz Khan



Perrine Brazo



**Gregoire Monney et
Roberto Prezzemolo**



George Klein



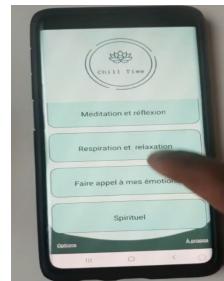
Ambros Uchtenhagen





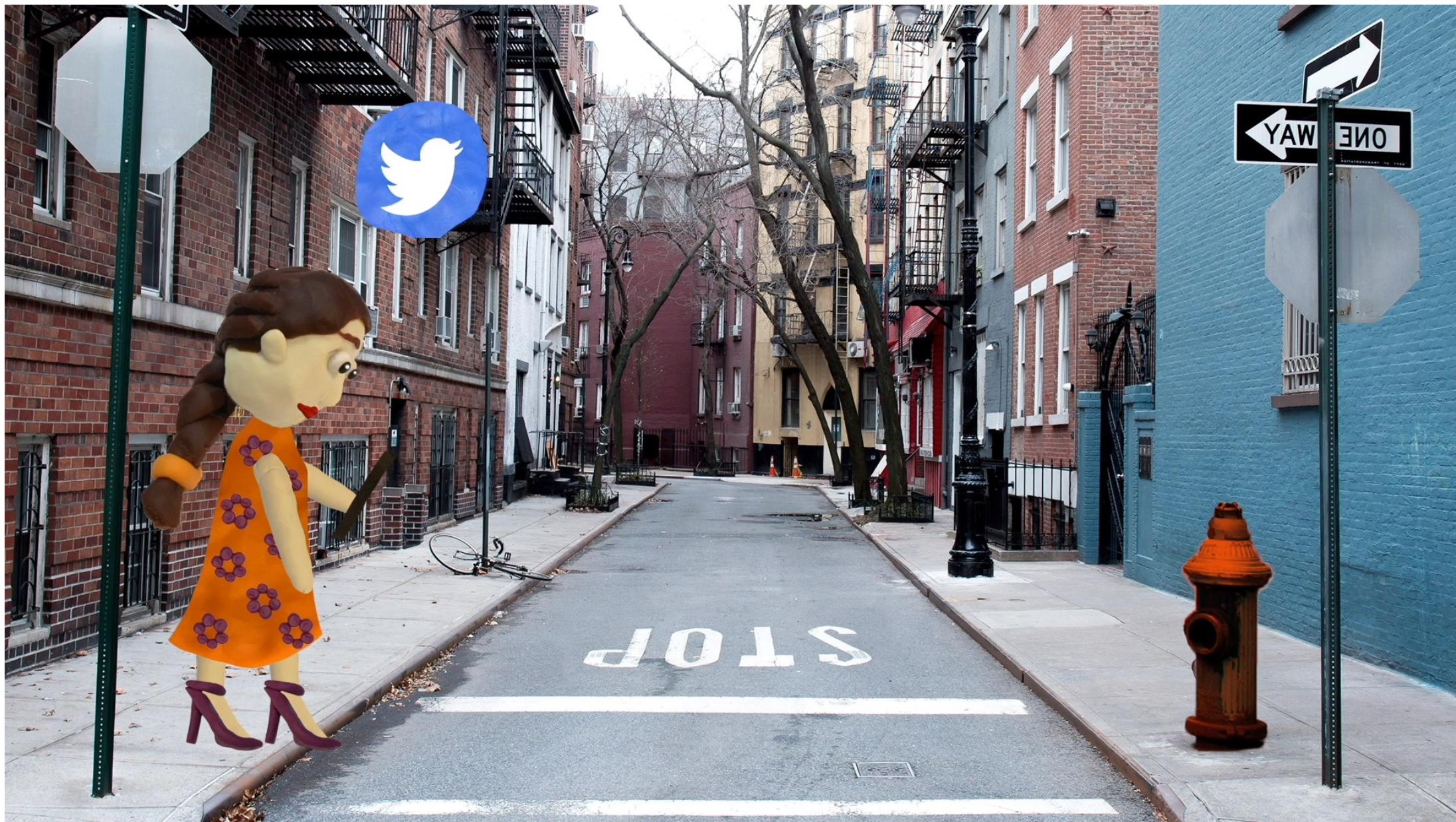
Tania Lecomte, Stéphane Potvin, Antoine Pennou
Montréal

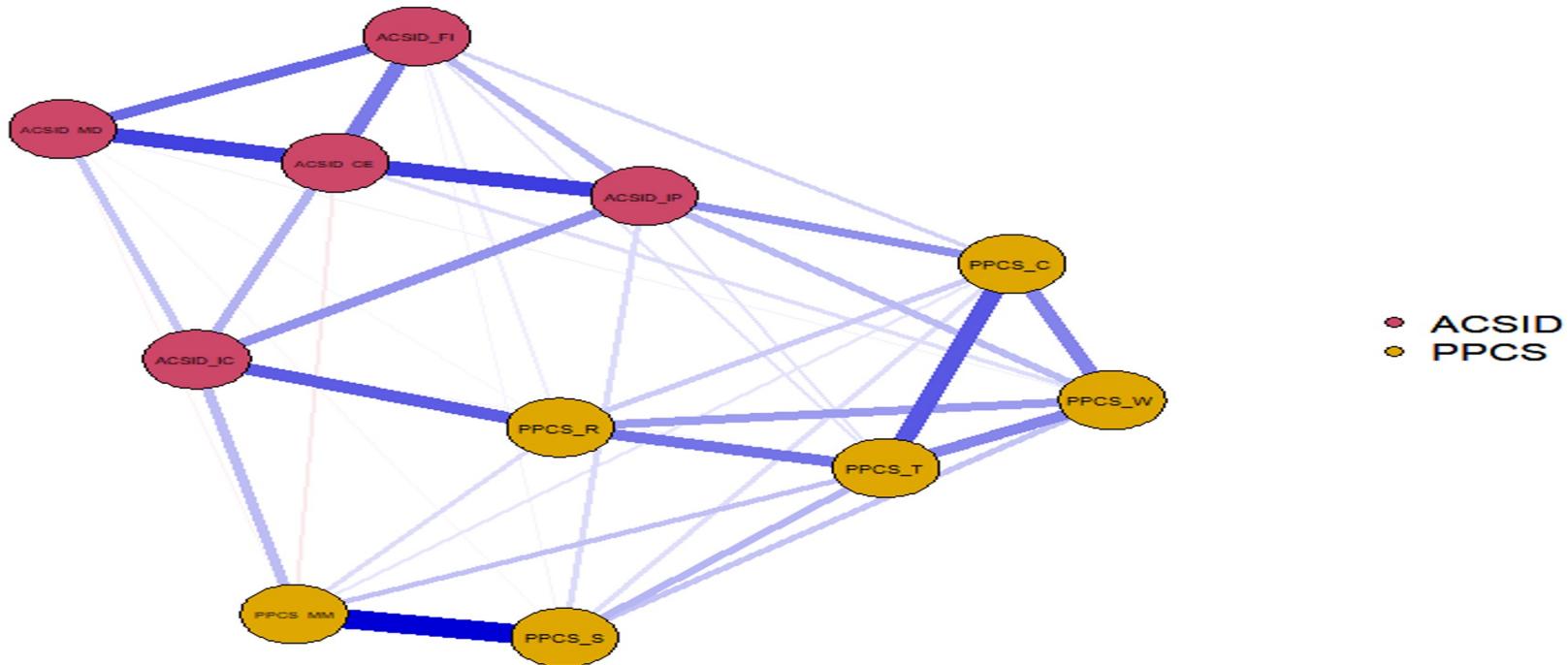
Etienne et Vincent Borgeat, Valentina Munoz,
Montréal



Chill-Time

Pennou, Lecomte, Potvin, Khazaal et al. In process





PPCS = Problematic Pornography Consumption Scale. PPCS-S = Salience, PPCS-MM = mood modification,
 PPCS-C = conflict, PPCS-T = tolerance, PPCS-R = relapse, PPCS-W = withdrawal. ¶

ACSID = Assessment of Criteria for Specific Internet-use Disorders. ACSID-IC = Impaired control, ACSID-IP = Increased priority given to the activity, ACSID-CE = Continuation/escalation of use despite negative consequences, ACSID-FI = Functional impairment in daily life; ACSID-MD = Marked distress. ¶

Predicted Probabilities of Family Formation Intentions, by Meeting Context and Gender

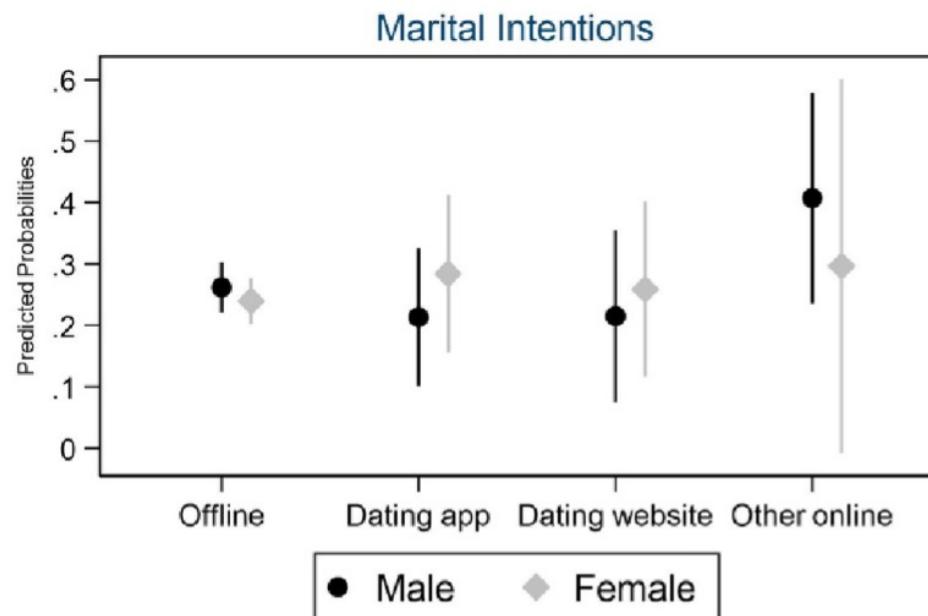
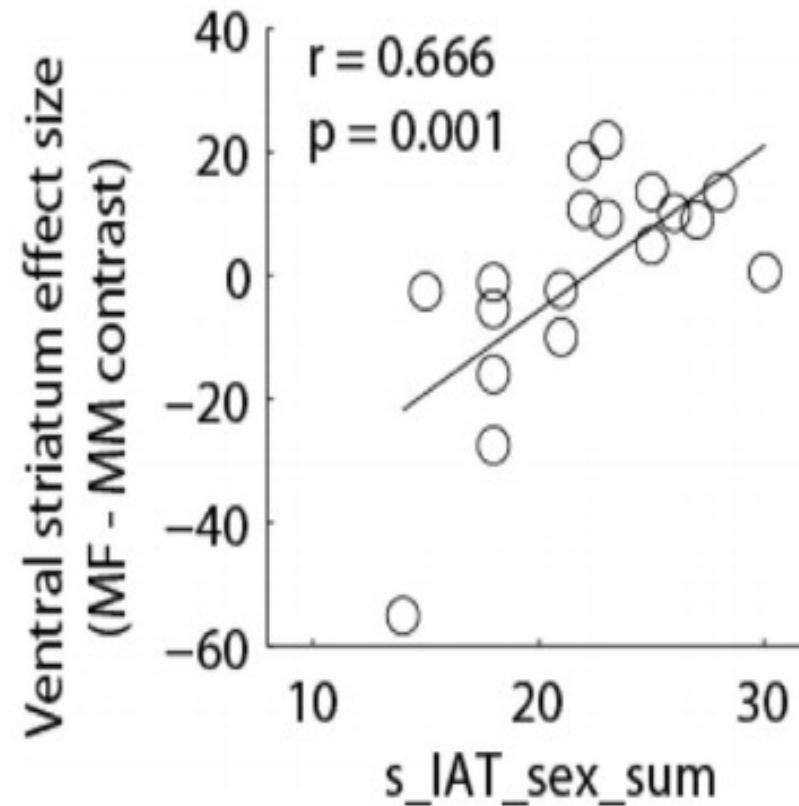


Fig 2. Predicted probabilities of family formation intentions, by meeting context and gender, 95% CI. Based on logistic regression models including interactions between meeting context and gender, controlling for whether same-sex couple, type of union, age, tertiary education, whether employed, whether previously married, prior cohabitation, biological children, (common children), religiosity, migration background, work-life conflict, relationship satisfaction, poor health, and partnership duration. Stars indicate probabilities significantly different compared to the offline category: † $p < 0.10$; * $p < .05$; ** $p < 0.01$.



Brand et al. 2016





Eleonora Anci



Armenakis Stylianos



Antoine Pennou



Farah Ben Brahim

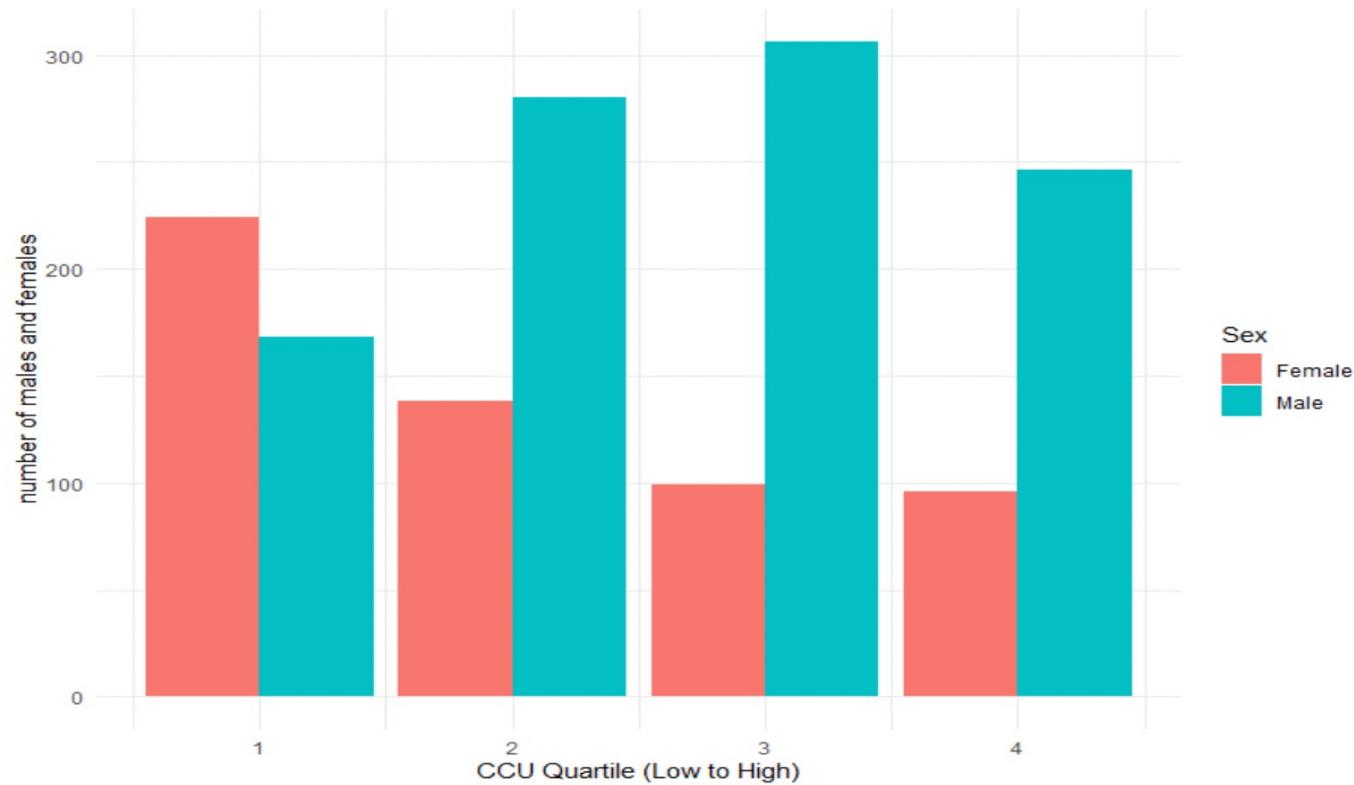


PREDICTORS OF DATING APP SUCCESS

- The study aimed to assess the level of satisfaction with Tinder use (STU) and the level of satisfaction with Tinder offline dates (STOD) in a sample of adult Tinder users. The study also aimed to examine, among 28 variables, those that are the most important in predicting STU and STOD. Overall, 1,387 Tinder users completed an online questionnaire. A machine learning was used to rank-order the predictors from most to least important. On 4-point scale, participants' mean STU score was 2.39. On 5-point scale, the participants' mean STOD score was 3.05. The results indicate that satisfaction with dating apps and the resulting offline dates are strongly predicted by participants' age and [by motives for using Tinder \(enhancement, emotional coping, socialization, finding “true love” or casual sexual partners\)](#). In addition, the variables negatively associated with satisfaction were those related to psychopathology. Other interesting findings: 65.3% of participants were married or “in a relationship”; only 50.3% were using the dating app to find someone to meet offline. Generally, participants who engage with the dating app to cope with personal difficulties seem to be more likely to report higher levels of dissatisfaction. This suggest that dating apps are a poor coping mechanism and highlights the need to address underlying problems or pathologies that may help drive their use.



Figure 3. Number of participants in each CCU quartile by sex



CYBERSEX MOTIVES

Cybersex users
N = 395
45.6% Women

Enhancement
Motives

Coping Motives

Social Motives

Cybersex
Motives
Questionnaire



Franc, Khazaal et al. 2018