



# The Art of Healing

A new era in substance use prevention,  
harm reduction, treatment and recovery support

24-28 June 2024  
Thessaloniki, Greece



Intimate **Violence**: **Alcohol and Drug Use**, and **Mental Health** during COVID-19 among Young Mexican Adults





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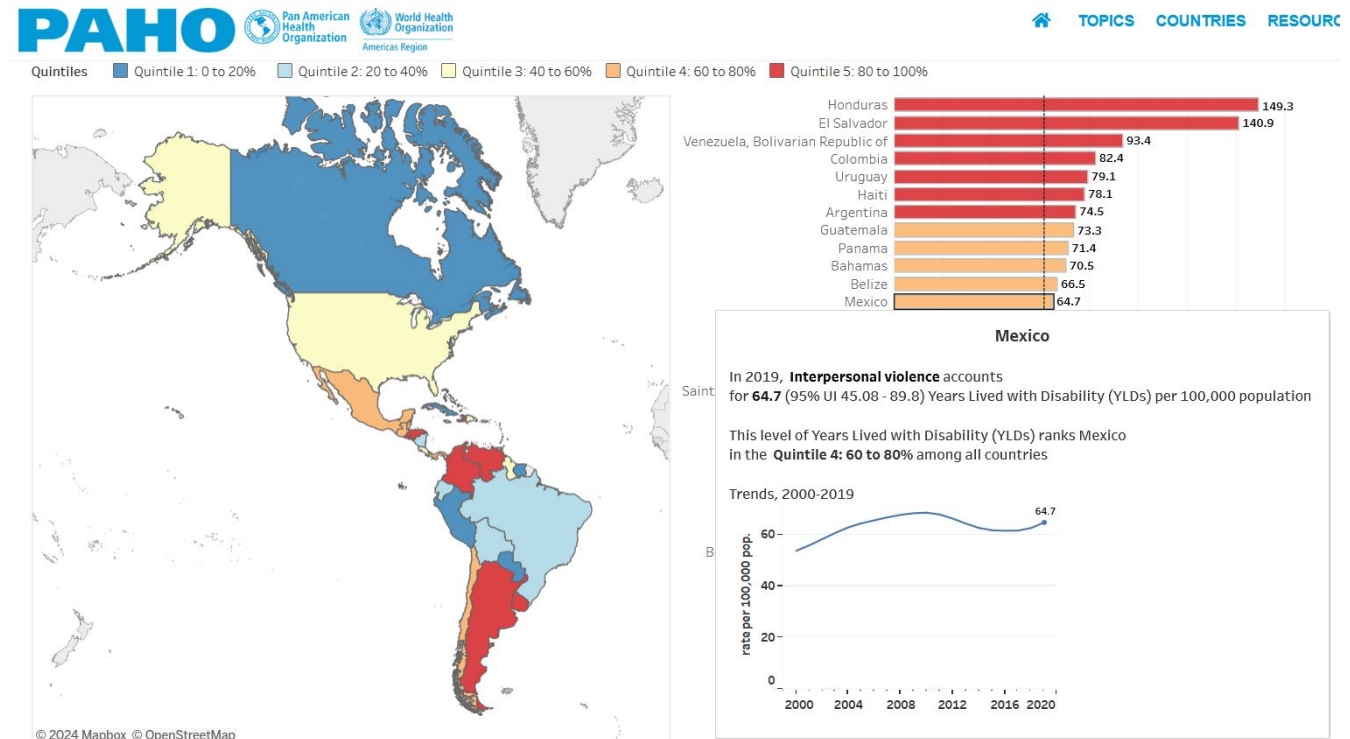


24-28 June 2024  
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## Antecedents

The COVID-19 pandemic may have **increased** intimate violence, harmful use of alcohol and other drugs (AOD), and mental health problems in youth in **low- and middle-income countries** (LMIC; World Health Organization [WHO], 2023).

In Mexico, PAHO observed a **20.5% increase** in YLD due to intimate violence (35.9% in women and 1.4% in men) **between 2000 and 2019** (2020).





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## Antecedents

The UNODC reported **fluctuating trends** in intimate violence among the **Mexican** population between 2017 and **2020** (2023).

It found rates of intimate violence of **3.21** in **2017**, **0.62** in **2018**, **9.12** in **2019**, and **3.5** in **2020**.

Rates for women were 1.96, 0.42, 12.94, and 5.15, while those for men were 4.47, 0.83, 5.31, and 1.78 during those same years.



United Nations

UNODC  
United Nations Office on Drugs and Crime

dataUNODC

Search

### Violent offences

#### Unit of measurement

- Counts
- Rate per 100,000 population

#### Category

- Kidnapping
- Serious assault
- Sexual Exploitation
- Sexual violence
- Sexual violence: Other acts of sexual violence
- Sexual violence: Rape
- Sexual violence: Sexual assault

#### Country

- Mauritius
- Mexico
- Monaco
- Mongolia
- Montenegro
- Morocco
- Myanmar
- Namibia
- Nepal
- Netherlands (King...)

#### Region, Subregion

- Americas

Clear filters

Year

Region	Subregion	Country	Category	2015	2016	2017	2018	2019	2020	2021	2022
Americas	Latin America and the Caribbean	Mexico	Kidnapping	1,160	1,221	1,621	1,843	1,779	1,022	788	643
			Serious assault	46,211	63,654	55,184	47,069	90,464	68,026	96,658	65,073
			Sexual Exploitation	432	1,082	1,361	1,680	3,302	2,831	6,326	8,054
			Sexual violence	35,628	36,557	38,309	42,902	52,220	53,145	69,065	83,474
			Sexual violence: Other acts of sexual violence	2,972	4,205	3,550	3,498	2,452	4,680	7,606	9,207
			Sexual violence: Rape	15,933	14,919	15,094	16,569	18,772	17,980	22,889	25,242
			Sexual violence: Sexual assault	16,723	17,433	19,665	22,835	30,996	30,485	38,570	49,025



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## Antecedents

Our last cross-sectional study indicated that **25%** of Mexican youths suffered from **violence** in 2022 (Morales-Chainé et al., 2023).

**19%** of Mexican youths used more than two drugs, including alcohol, harmfully. **AOD** trend use appeared to increase before the pandemic, but data were unclear **during** the pandemic in Mexico.

**45%, 48,** and **30%** of Mexican youths reported **depression, anxiety,** and **PTSD** symptoms, respectively.

It also suggested **how intimate violence is associated with other psychosocial conditions such as harmful AOD use and mental health symptomatology** in Mexico, an LMIC.





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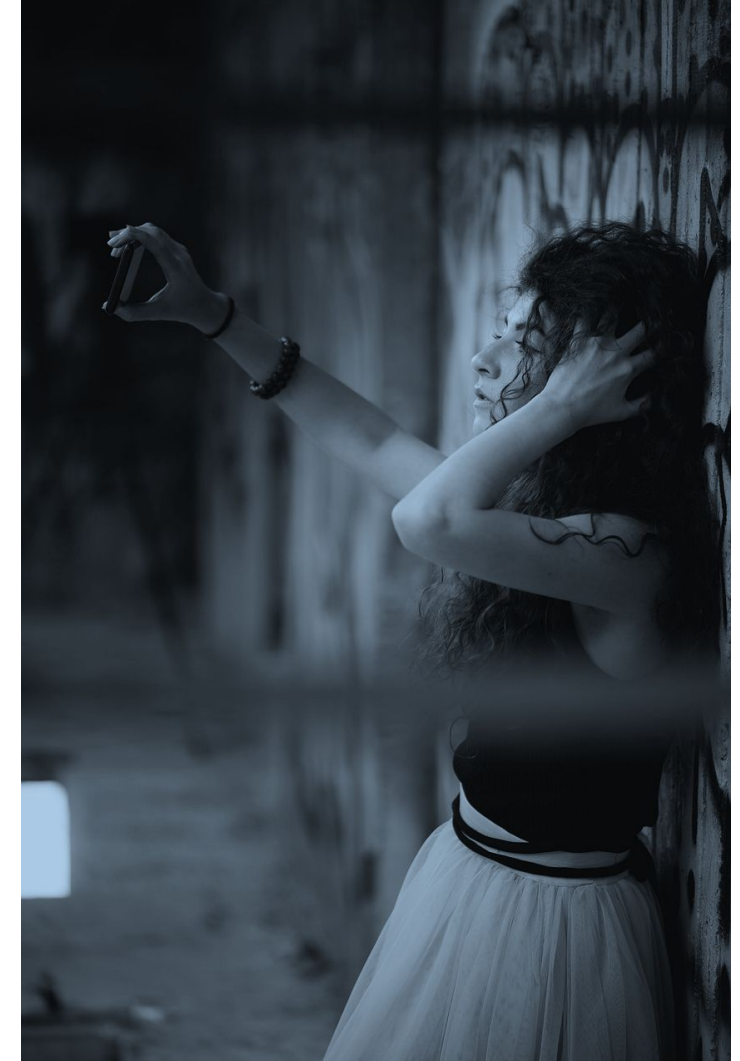
6elipsis



ISSUP

## Goal

To **describe** the **tendency and relationship directionality** between **intimate violence, harmful use of alcohol and other drugs (AOD), and mental health symptoms** among young adults during COVID-19 in Mexico.



PAHO recommended **informal actions** in the community (mhGAP, 2019) and **primary care** (mhGAP, 2016; 2023) to **close the gap** in mental health and substance use disorders.

We programmed **algorithms** into the action program's clinical handbook to reduce the primary healthcare gap.

**Longitudinal cohort** of group evolution with **5,102** Mexicans aged 18, 21, and 24 (with **49% of the evolution** sample accomplishments).



## Method

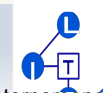




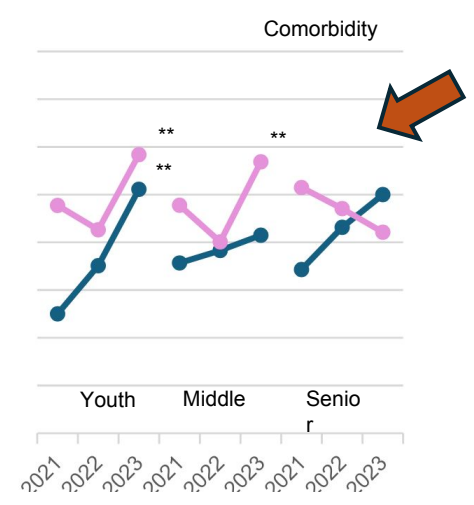
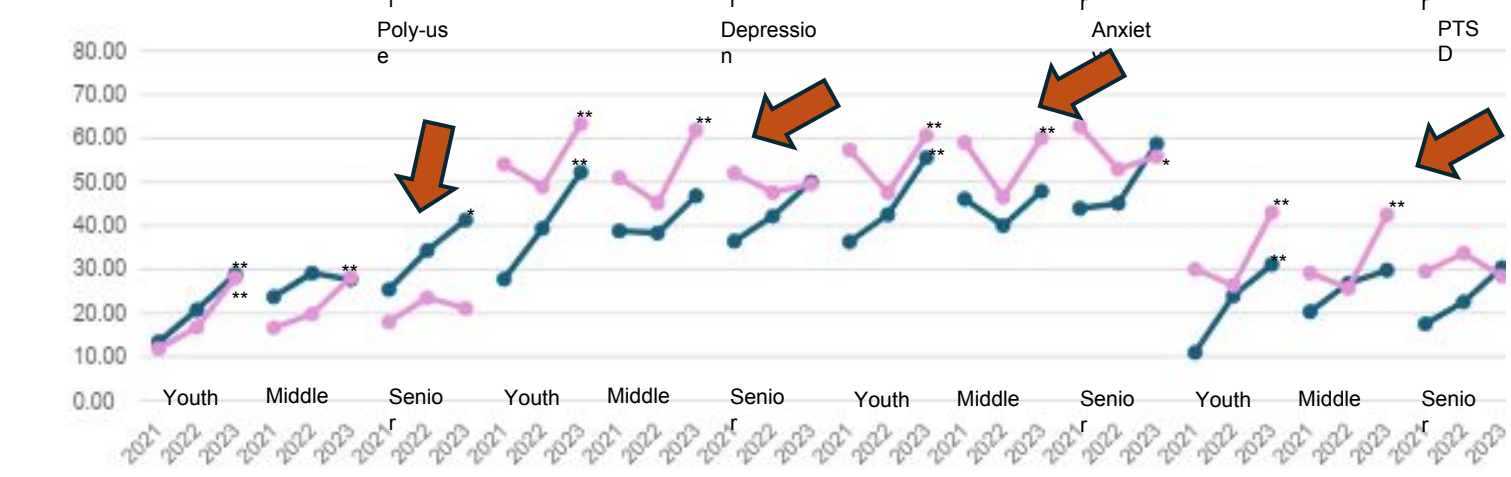
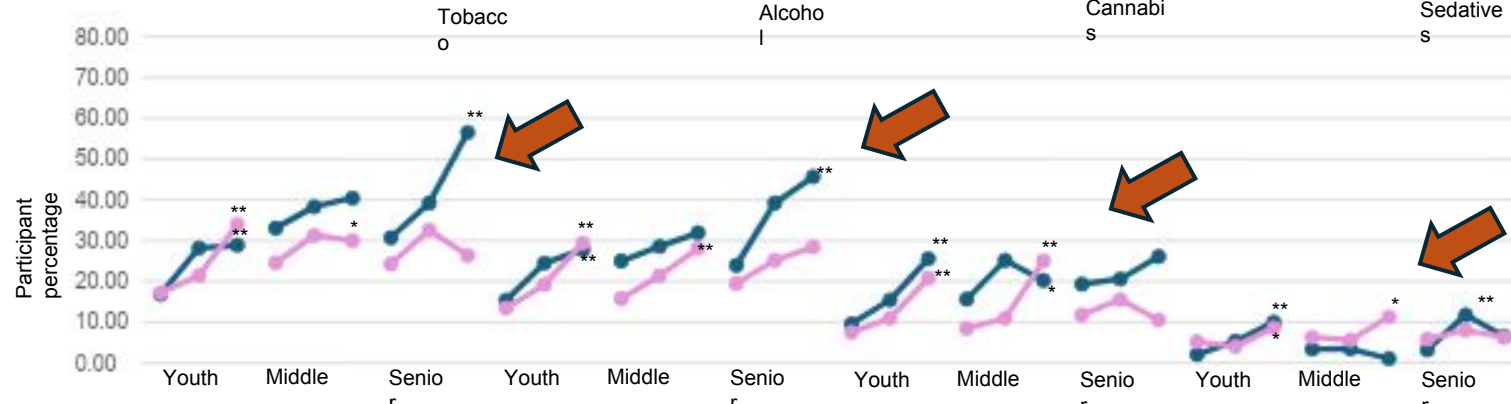
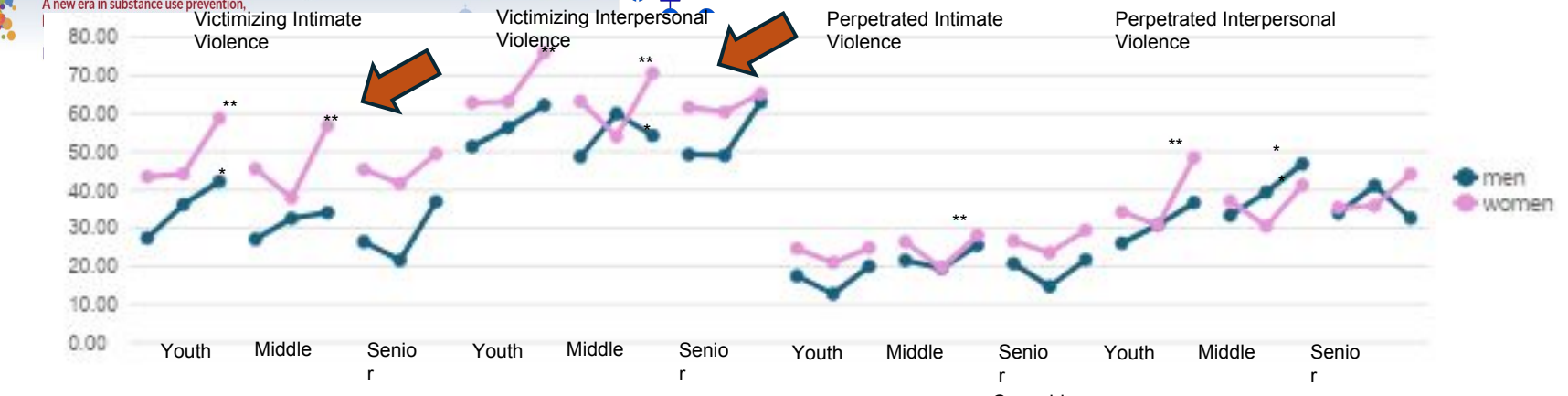
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A new era in substance use prevention.

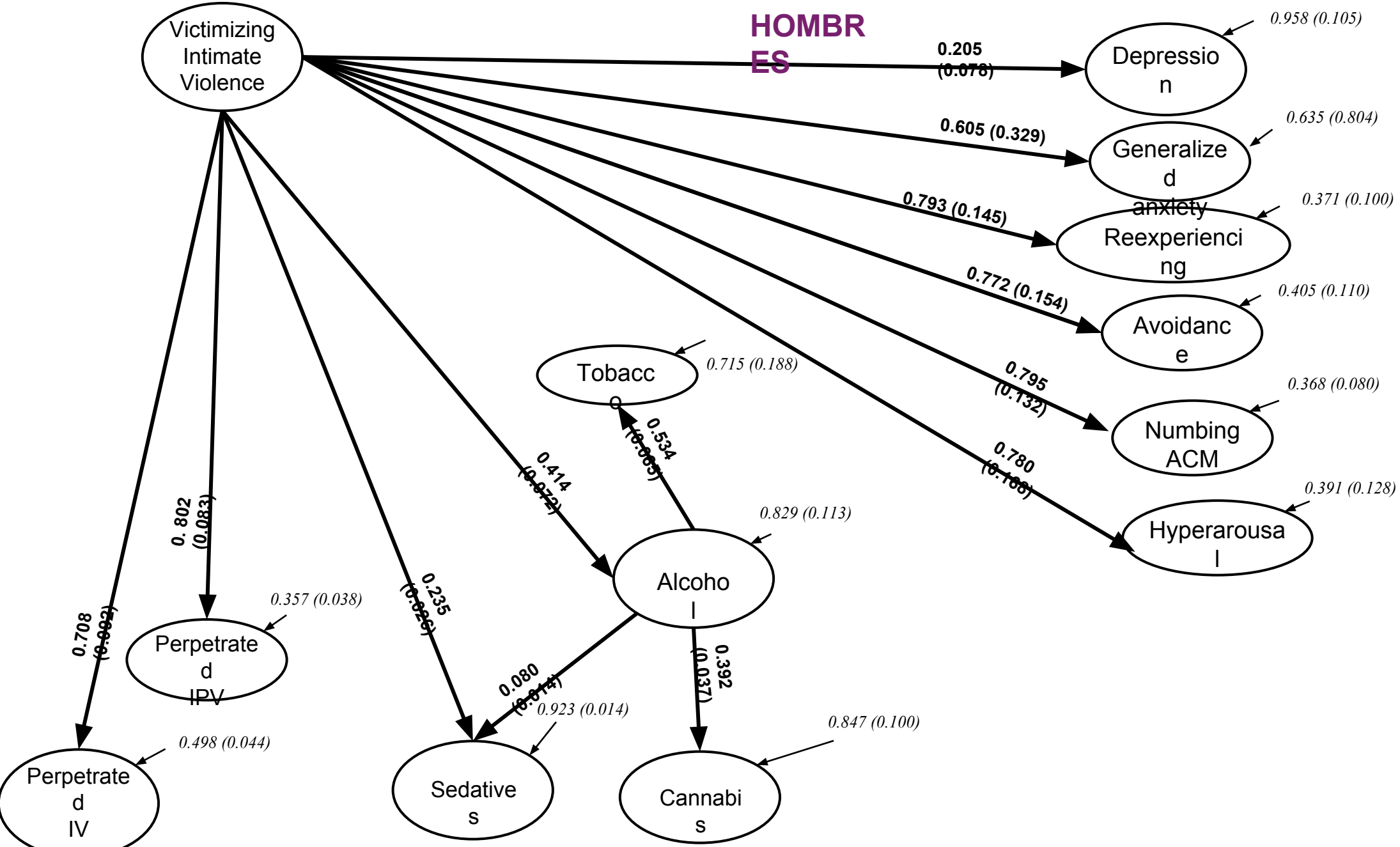
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## Results



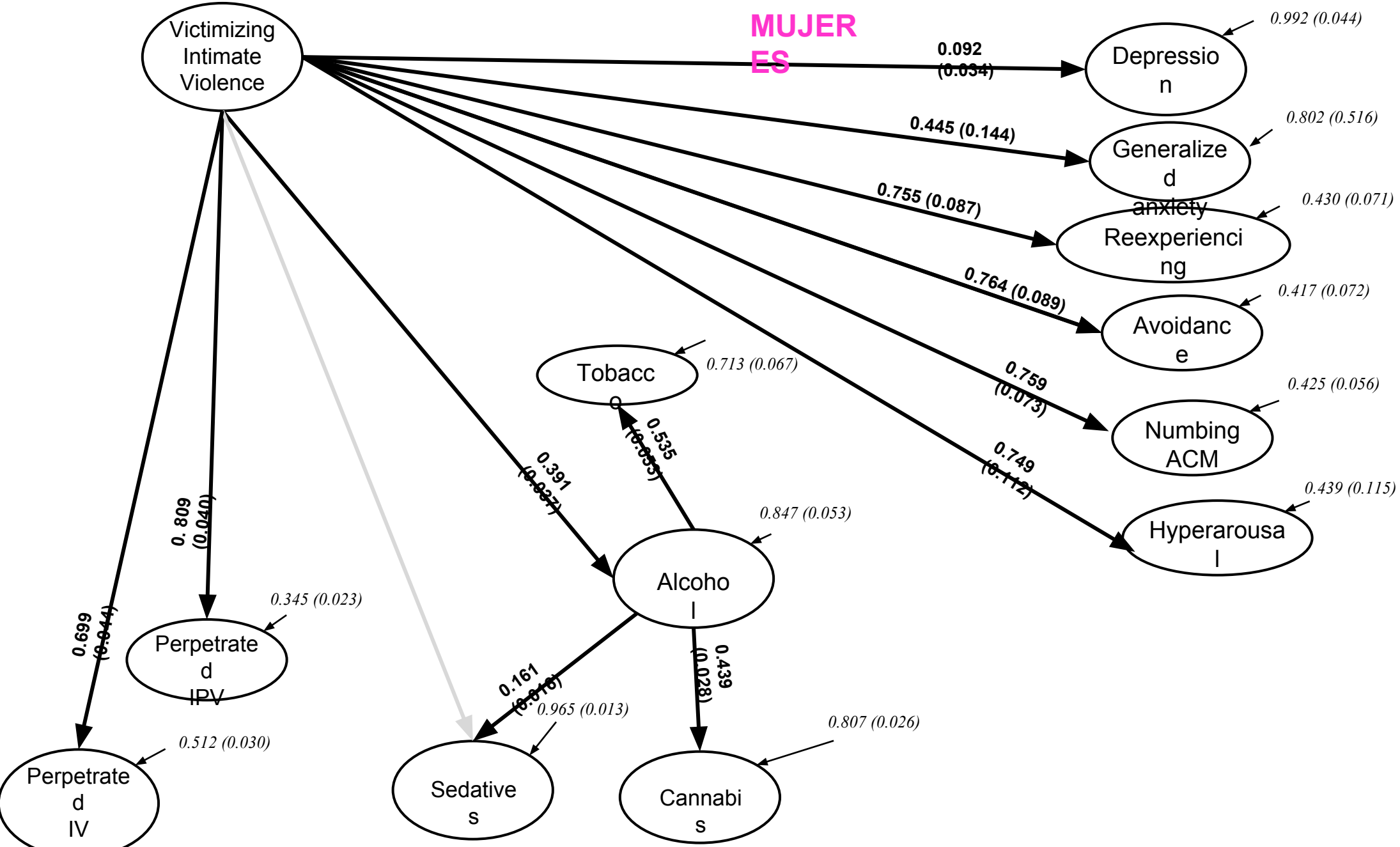
# HOMBR ES



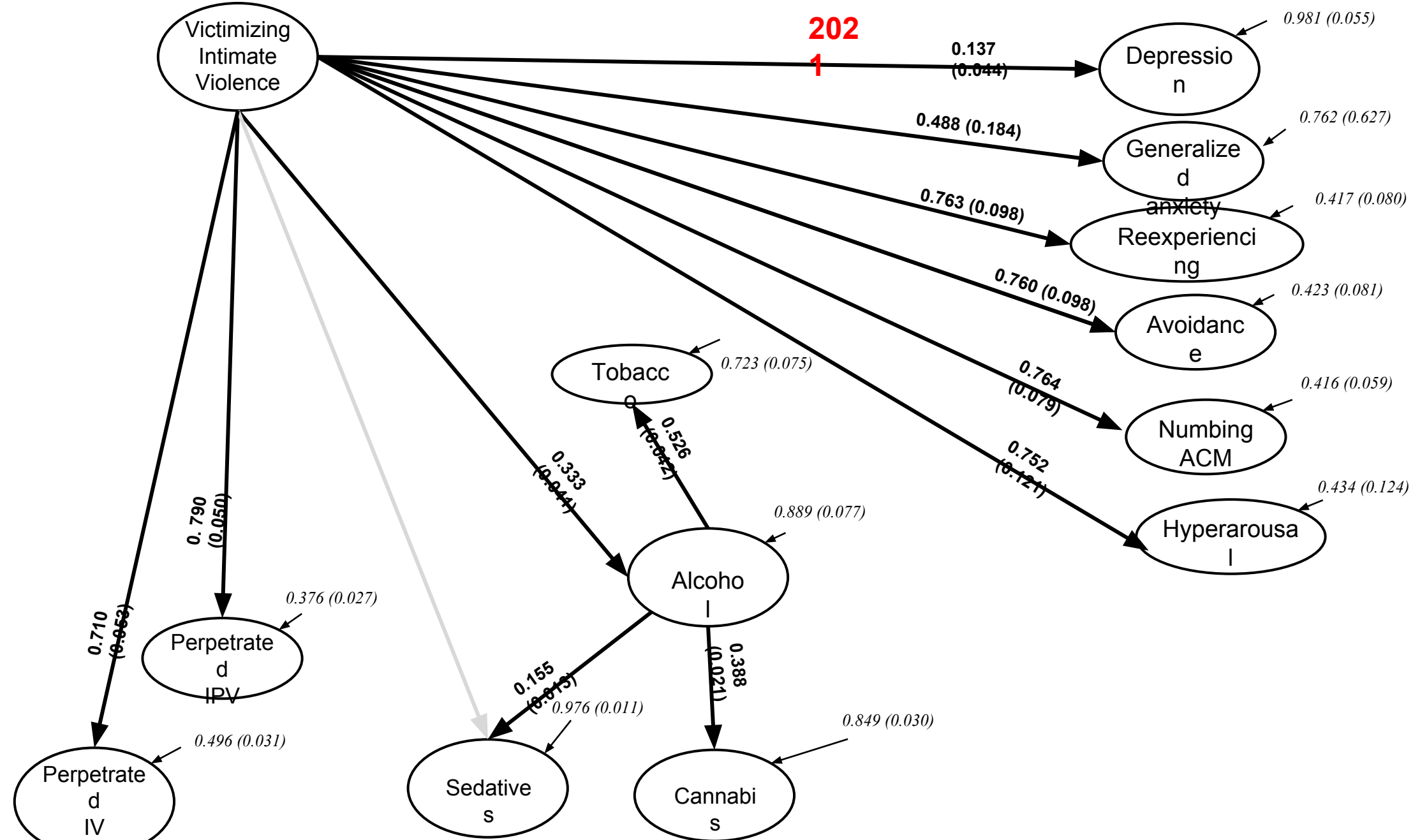
$X^2(2205) = 3,560.74, p = 0.000, CFI = 0.923, TLI = 0.918, RMSEA = 0.019 (0.018-0.020)$



**MUJERES**

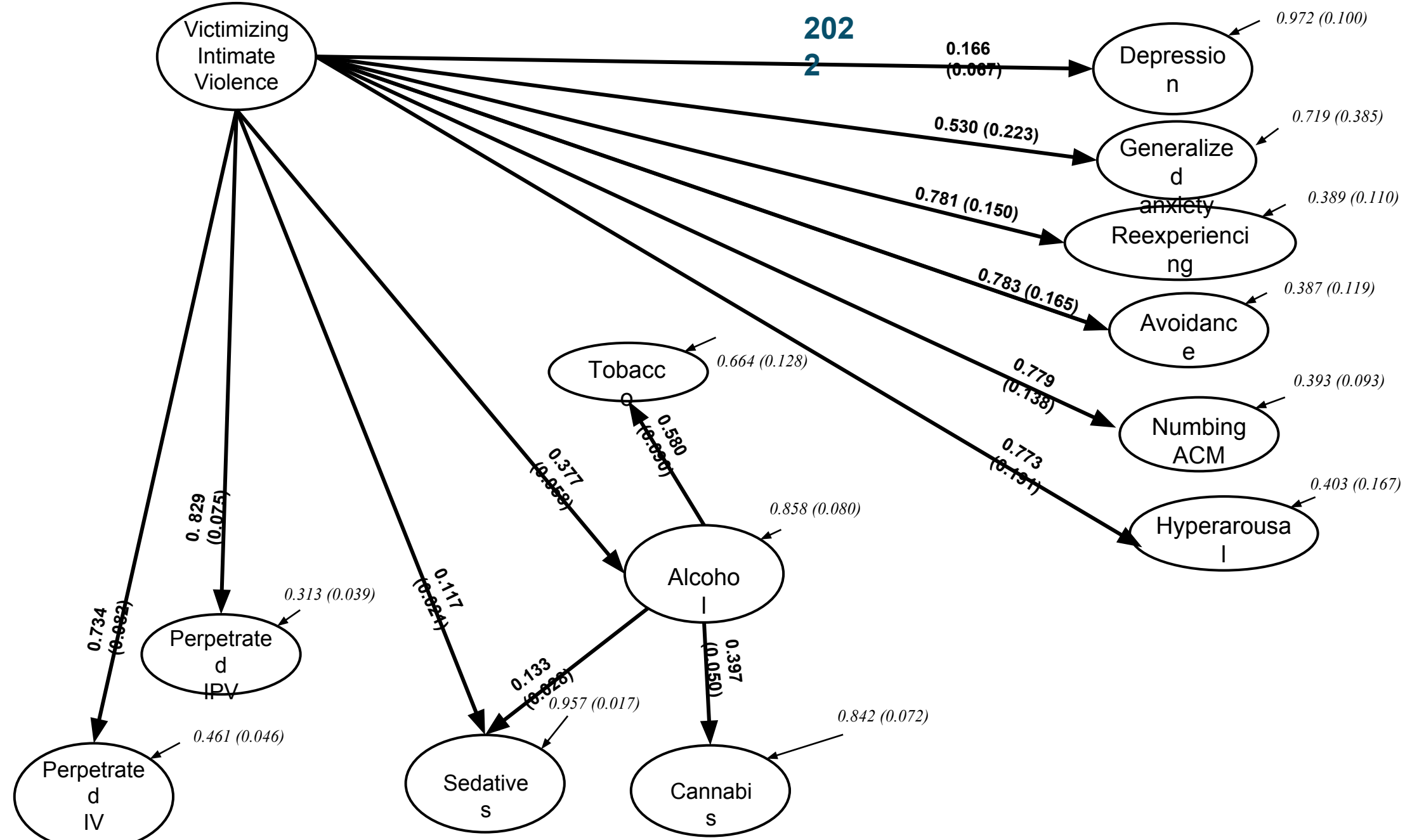


$X^2(2206) = 5,780.40, p = 0.000, CFI = 0.912, TLI = 0.907, RMSEA = 0.022 (0.021-0.022)$



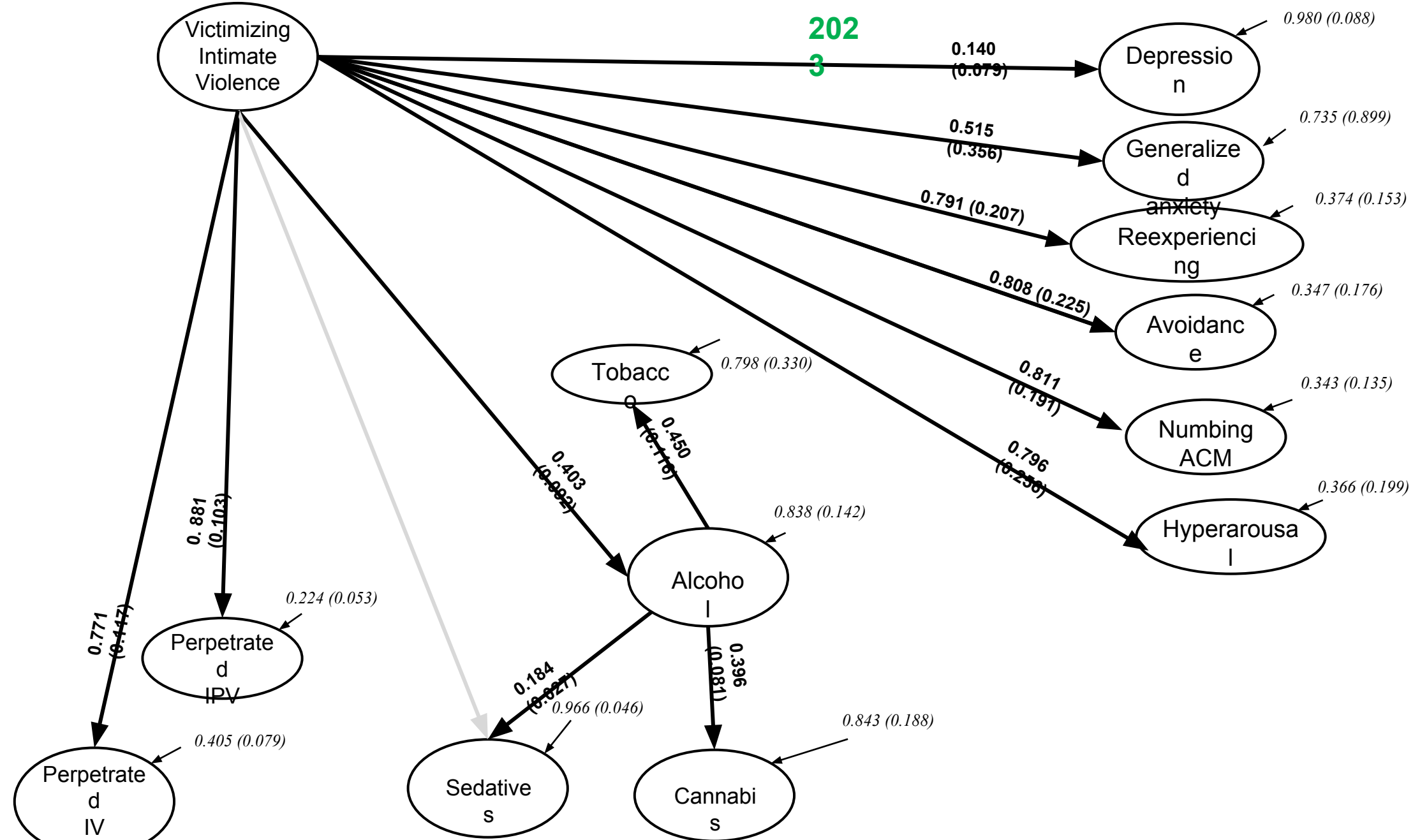
**202**  
**1**

$X^2(2205) = 5,401.28, p = 0.000, CFI = 0.909, TLI = 0.904, RMSEA = 0.022 (0.022-0.023)$



**202**

$X^2(2208) = 3,735.22, p = 0.000, CFI = 0.966, TLI = 0.964, RMSEA = 0.022$   
 (0.020-0.023)

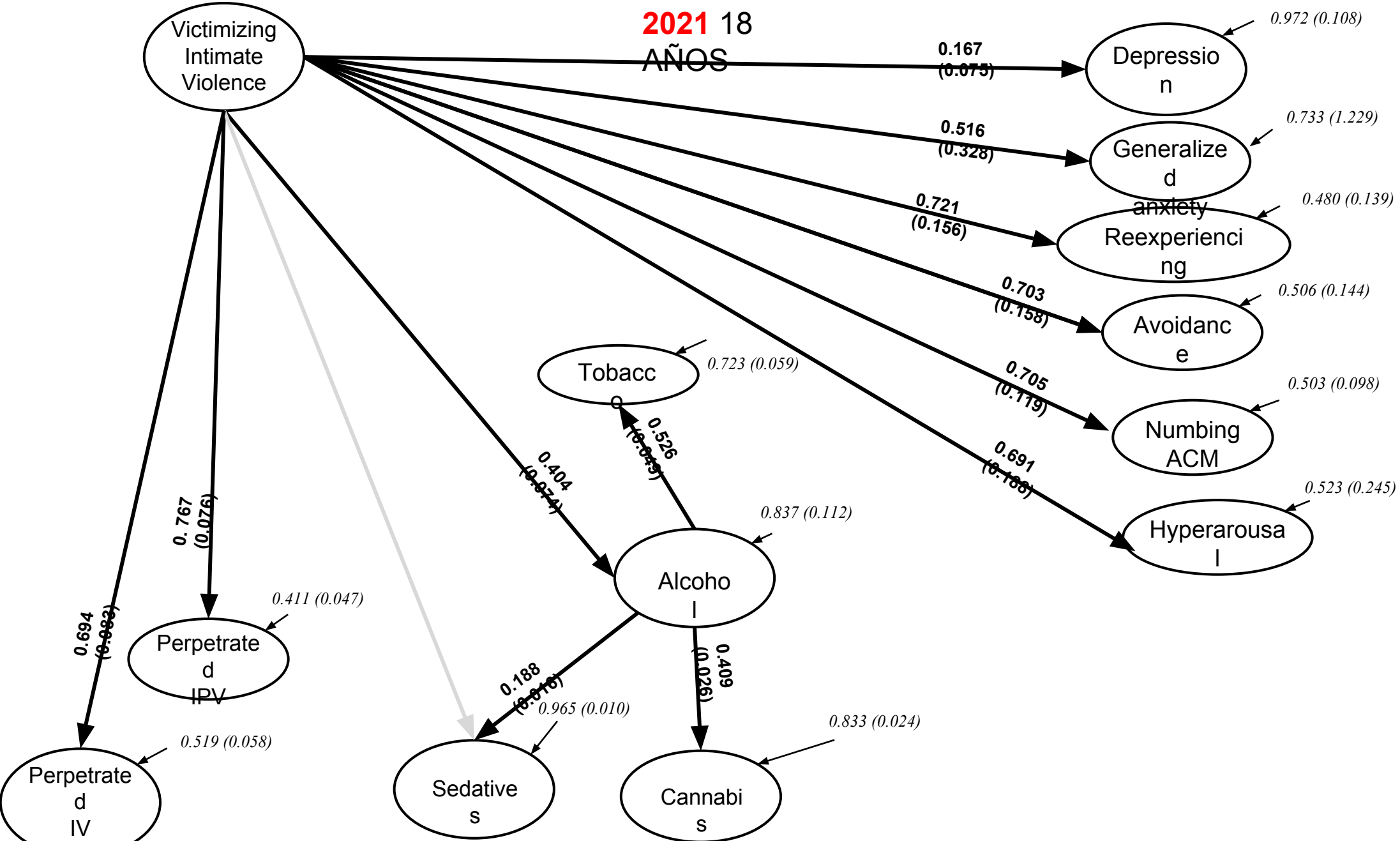


202  
3

$X^2(2209) = 2,713.98, p = 0.000, CFI = 0.929, TLI = 0.925, RMSEA = 0.018 (0.016-0.020)$

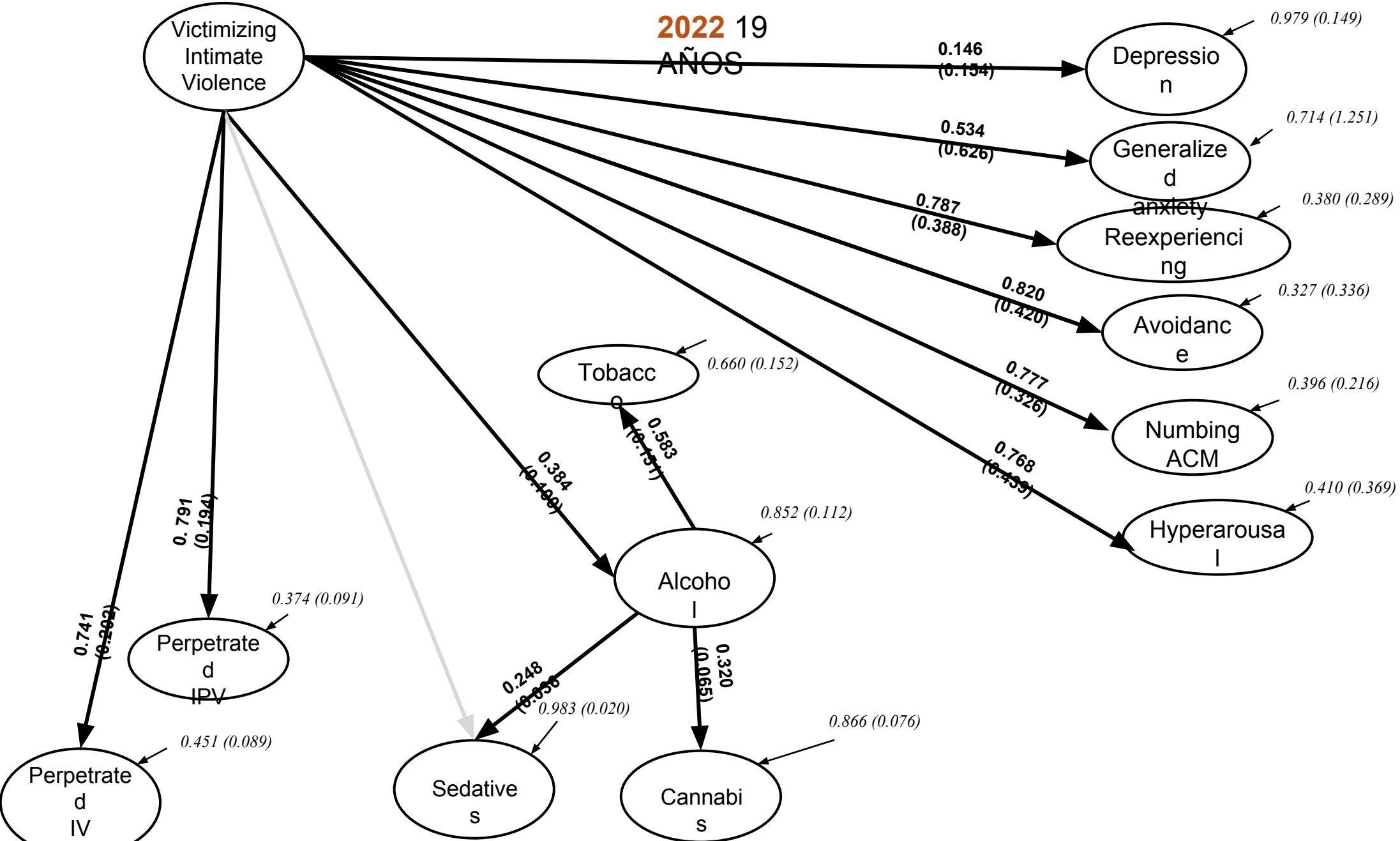
2021 18

AÑOS



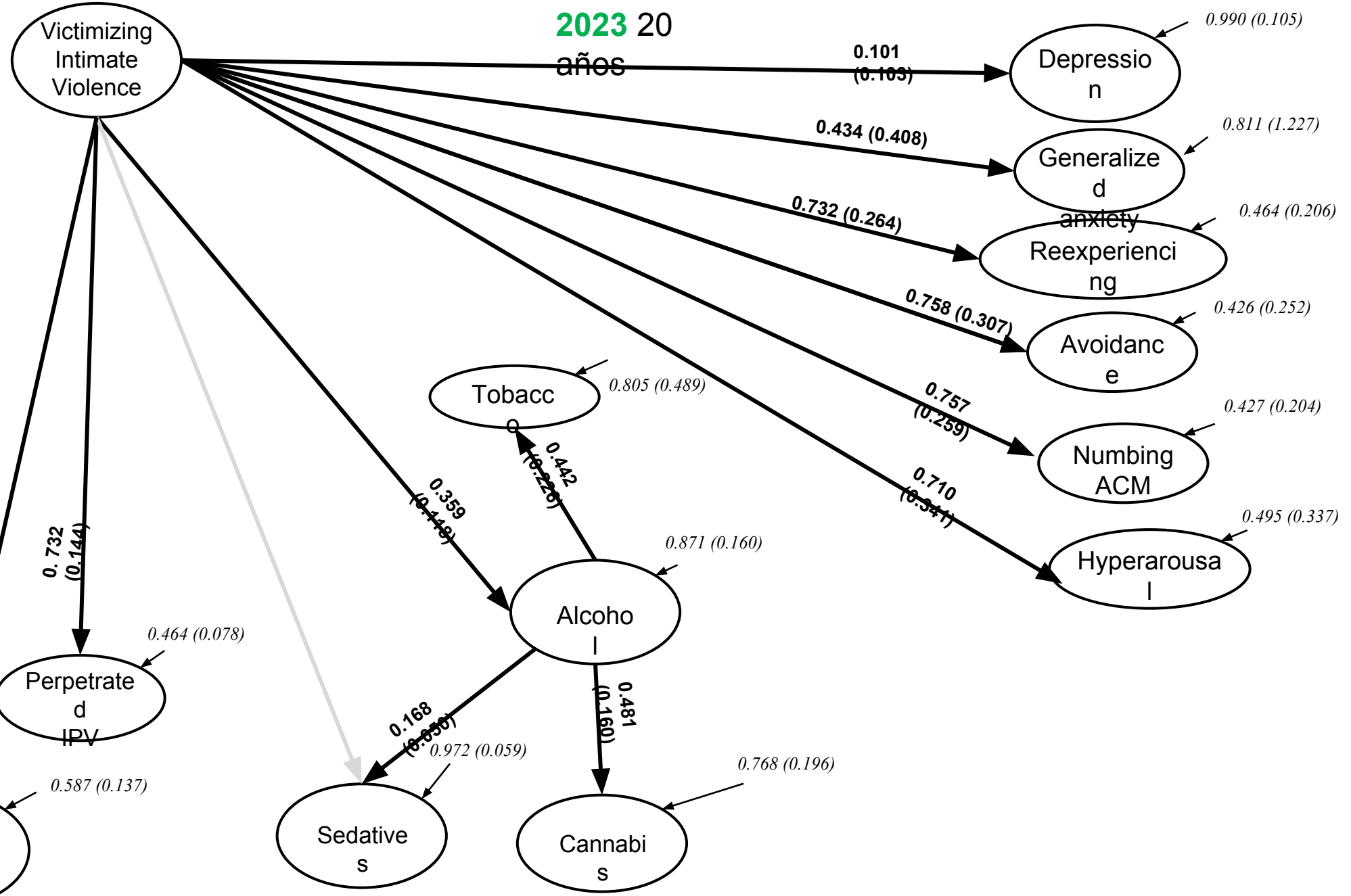
$X^2(2076) = 3,352.53, p = 0.000, CFI = 0.920, TLI = 0.915, RMSEA = 0.026$   
(0.024-0.028)

2022 19  
AÑOS



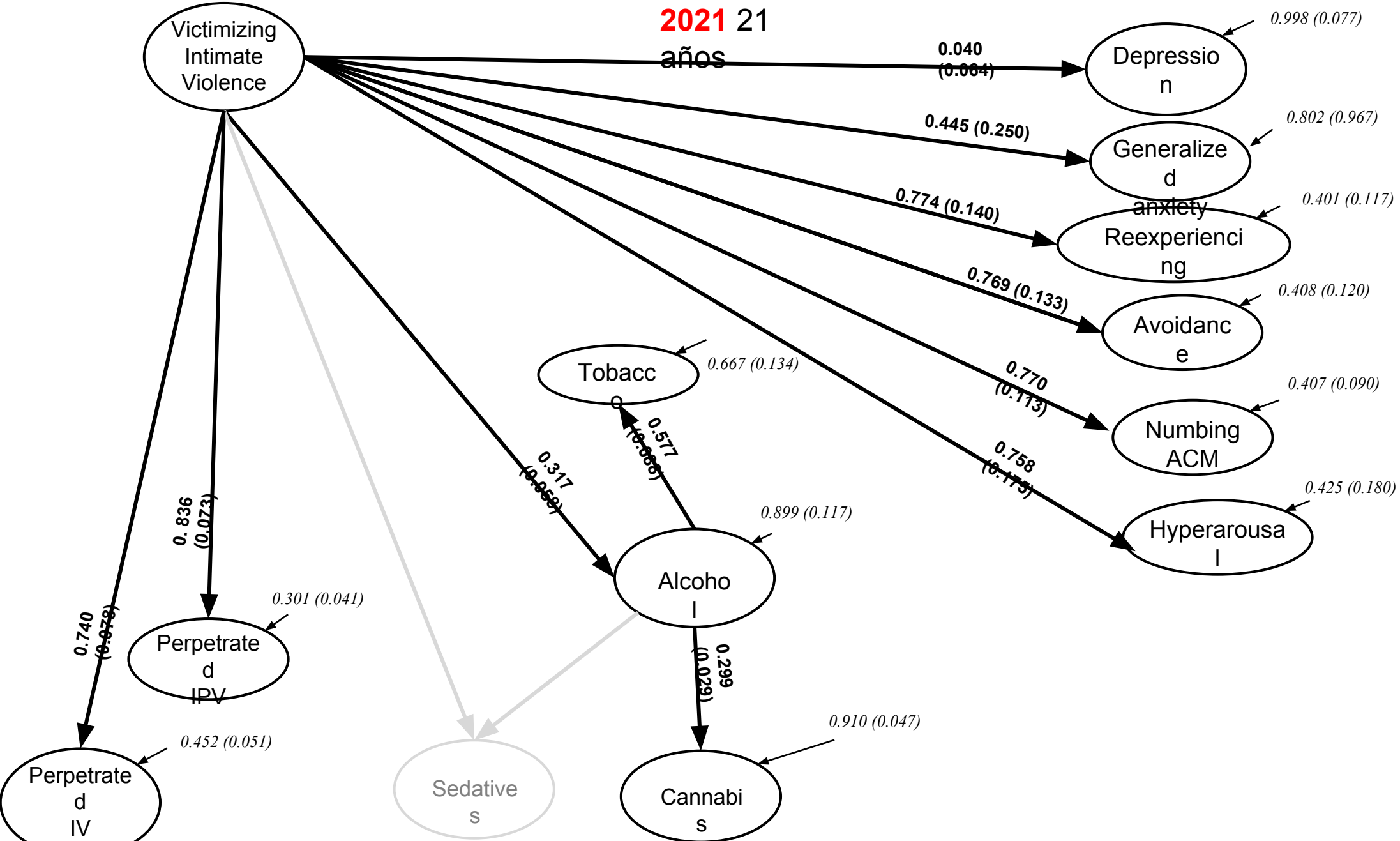
$X^2(2064) = 2,633.52, p=0.000, CFI=0.909, TLI=0.902, RMSEA=0.021$   
(0.018-0.023)

**2023**  
años



$X^2(2208) = 2,463.04, p = 0.000, CFI = 0.911, TLI = 0.905, RMSEA = 0.019$   
(0.014-0.024)

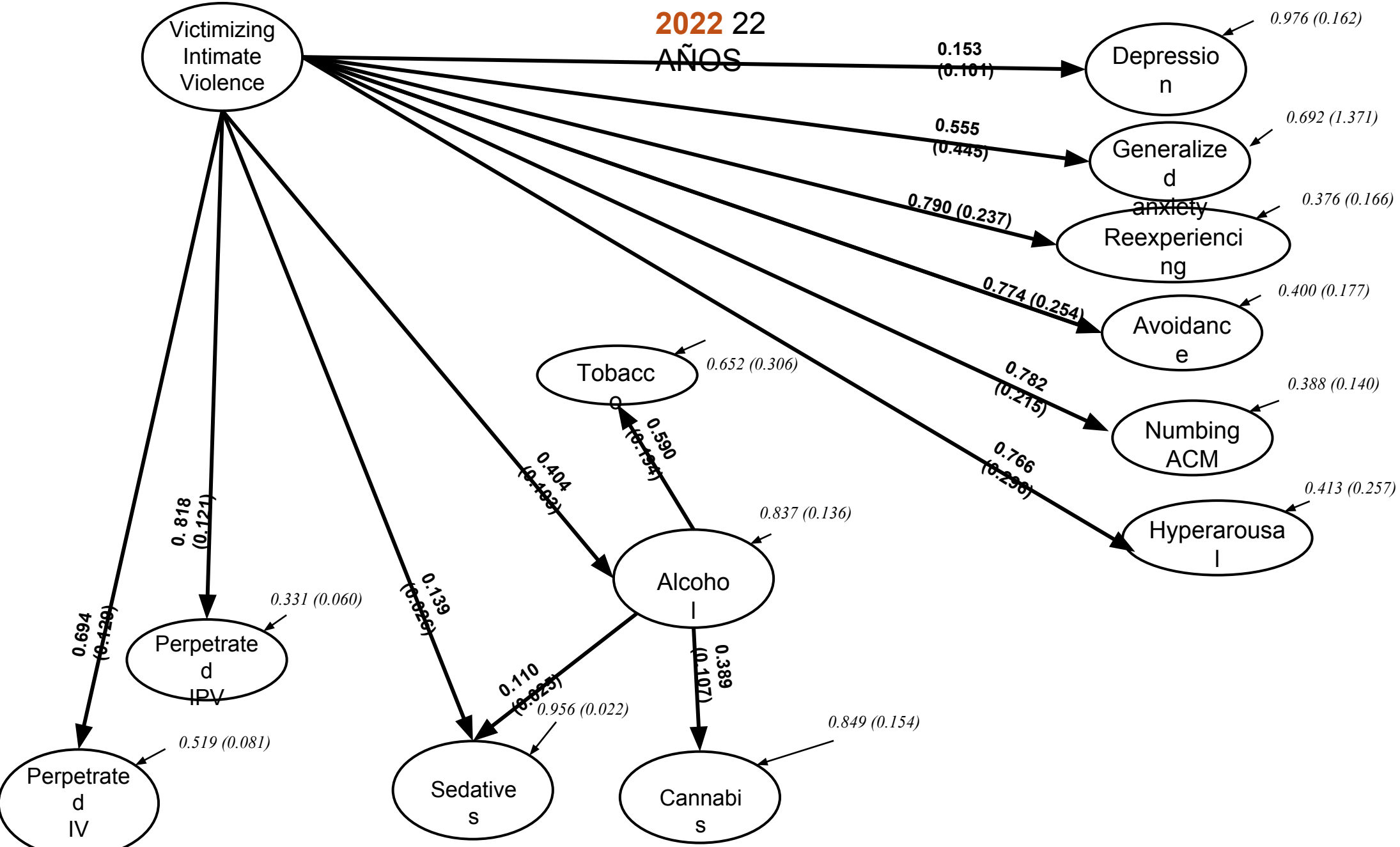
2021 21 años



$X^2(1771) = 2,836.61, p = 0.000, CFI = 0.908, TLI = 0.902, RMSEA = 0.023$   
(0.021-0.024)

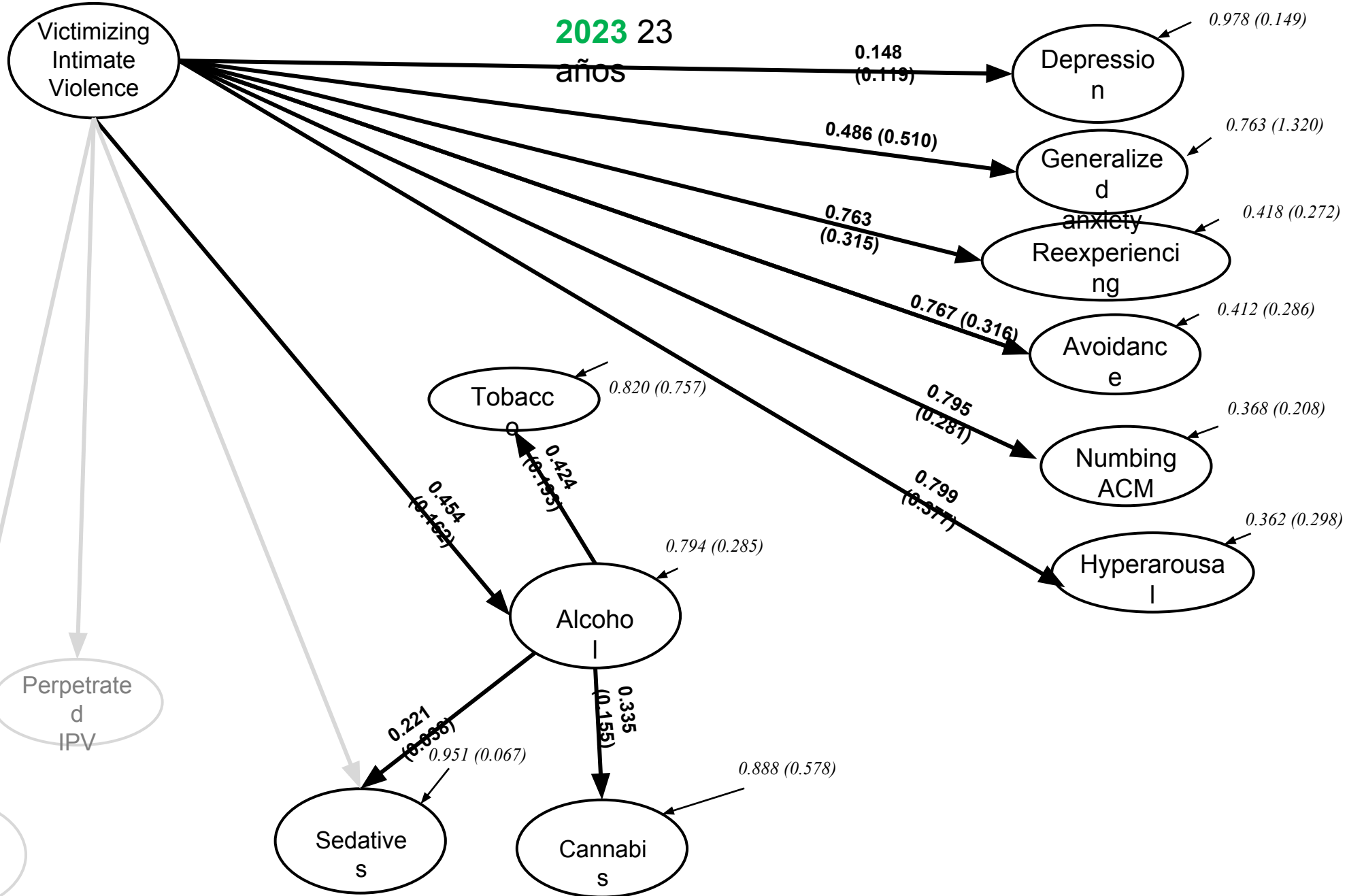


**2022 22**  
**AÑOS**



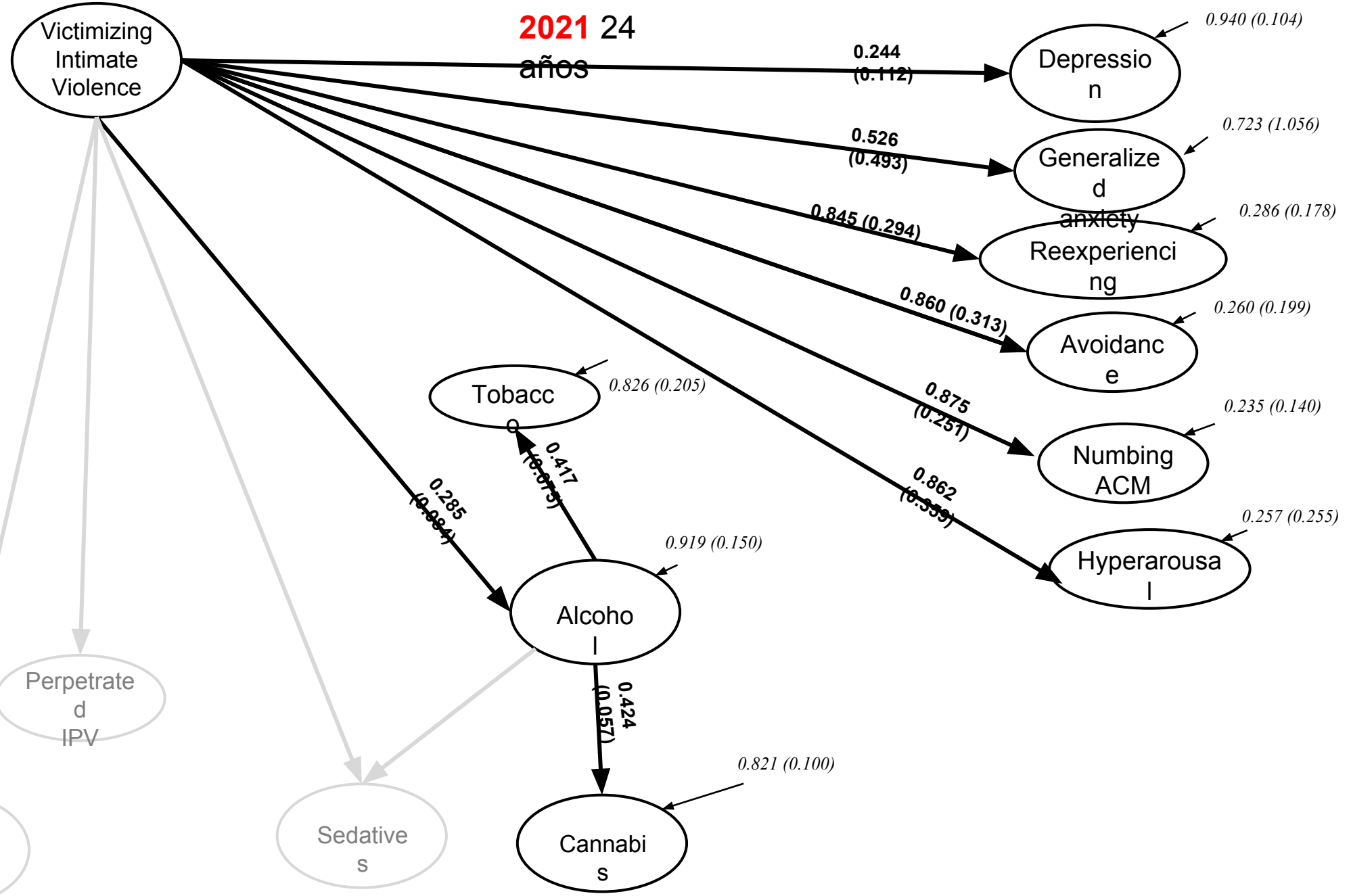
$X^2(2208) = 2,562.66, p=0.000, CFI=0.907, TLI=0.901, RMSEA=0.021$   
(0.018-0.023)

2023 años



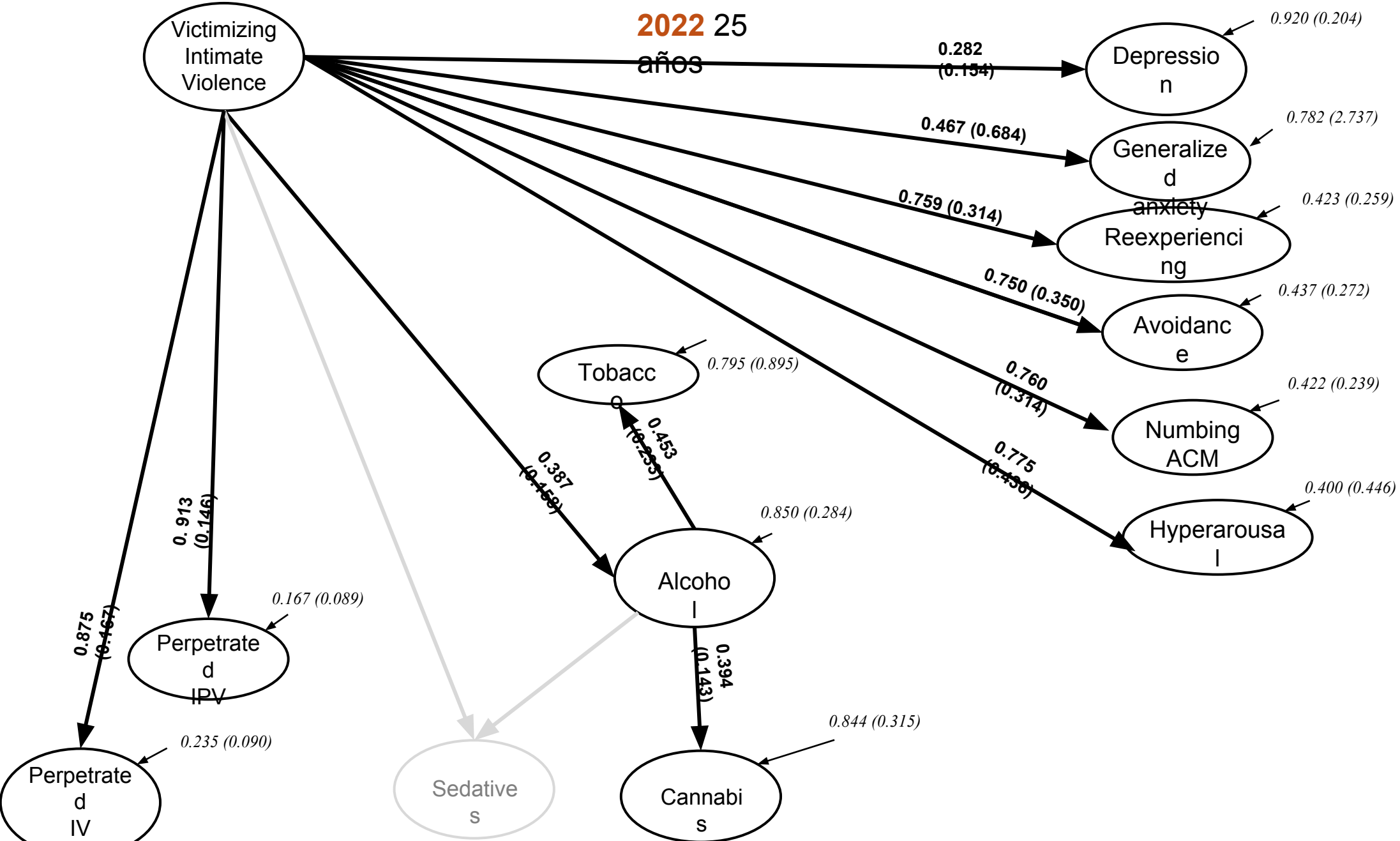
$\chi^2(1783) = 1,912.77, p=0.000, CFI=0.932, TLI=0.928, RMSEA=0.017 (0.008-0.023)$

2021 24 años



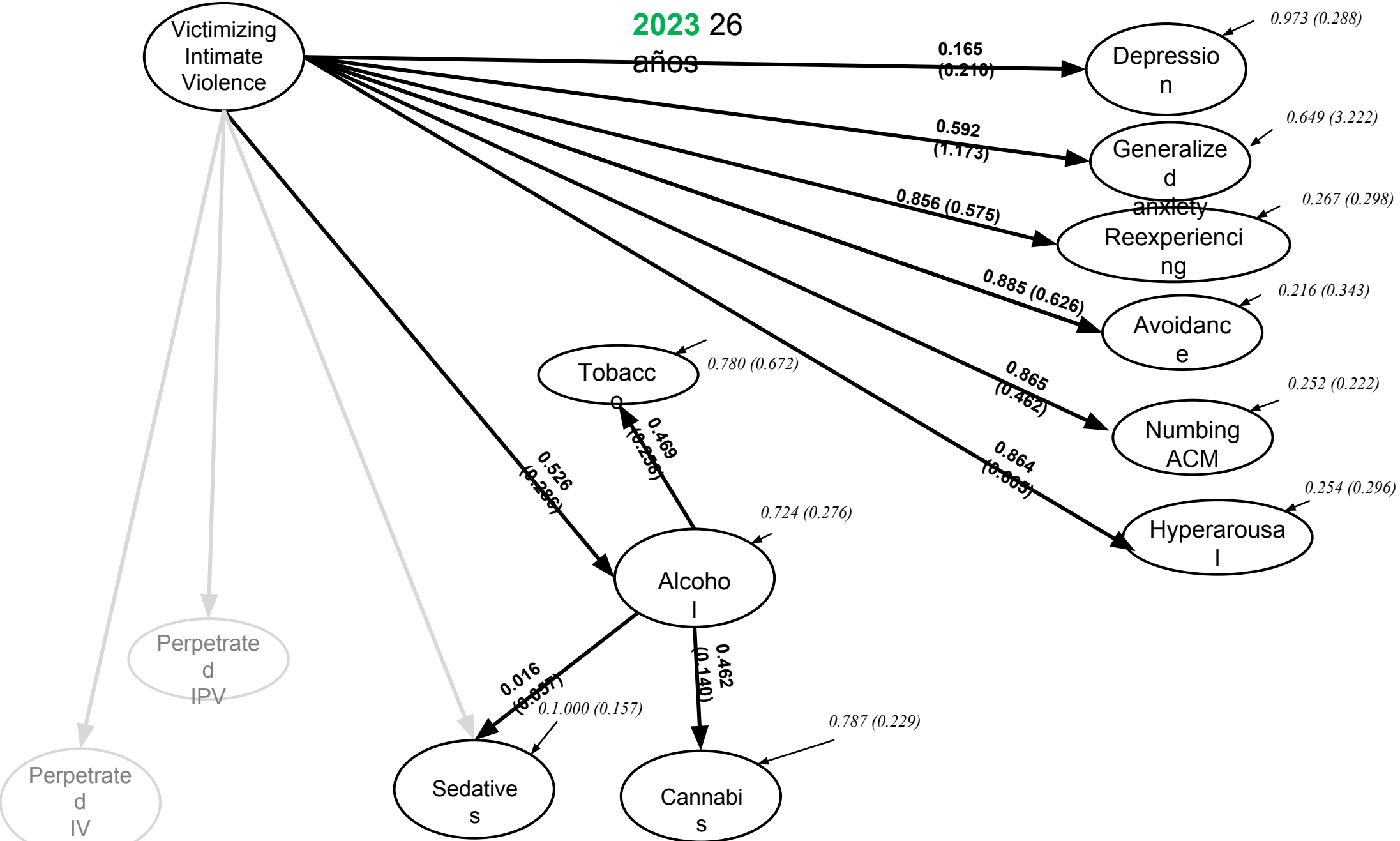
$\chi^2(2205) = 2,122.10, p=0.000, CFI=0.912, TLI=0.906, RMSEA=0.022 (0.020-0.024)$

2022 25 años

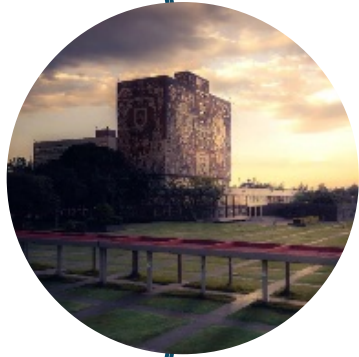


$\chi^2(1713) = 1,801.59, p=0.000, CFI=0.964, TLI=0.961, RMSEA=0.013$   
(0.000-0.020)

2023 26 años



$X^2(1844) = 1,926.26, p=0.000, CFI=0.922, TLI=0.918, RMSEA=0.018$   
(0.000-0.027)



**increasing**

**One out of two women  
out of three men**

**one**

**More men reported harmful patterns**

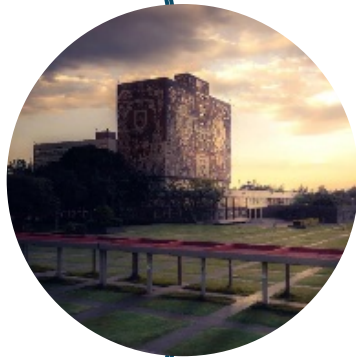
**Young women  
sedatives in 2022**

**reported damage due to using**



**One out of two women**  
**Three out of ten women**

**depression, anxiety, or comorbidity**  
**PTSD**



**Suffering intimate violence**  
**health conditions, PTSD symptoms, and perpetrating intimate interpersonal violence.**

**harmful alcohol-sedative use** **mental**



**Depression**  
**pandemic**

**alcohol**

**tobacco-cannabis-sedative**  
**first two years of the**

Youth violence, harmful AOD use, and mental health symptomatology not only **increased** during the pandemic but were also **interrelated** and **moderated** by sex.

**The violence asymmetry** may result from differences in the **perception of violence** in the context of **social inequities** and the **normalized violation of human rights** in Latin countries (Scott-Storey et al., 2023).

We may explore the contribution of the **patriarchal culture**, **power**, and **control** in Latin American society to violence.

In Mexico, family relationships still based on **violent interactions** where women are subject of power and control from men. Also, we know that high number of Mexican population **uses AOD**, associated with stressful situations.





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We must design cost-effective, **preventive interventions** not only **to reduce harmful alcohol use** but also **to address intimate violence** and **mental health conditions**.

Thank you

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