

- The 3rd International Mental Health Training Center Taiwan Online Conference
- The 8th Kaohsiung Municipal Hospital Strategy Seminar

# Trend of Drug Addiction Treatment:

From International Principles to the Current  
Condition in Taiwan

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# Taipei City Psychiatric Center (TCPC) viewed from **Elephant Mountain**





# Taipei City Psychiatric Center (TCPC), Taipei, Taiwan

Campus 1: main building:  
acute/ICU; administrative area



Campus 3: Adolescent DH



Campus 3: rehab buiding



Campus 5: psychotherapy building

# 松德院區成癮科

多項全國首推服務與研究、重視服務/教學/研究





Institute of Substance Treatment And Research in Taipei

# The service for addiction treatment

Addiction **inpatient** ward (20+12 = 32 beds): 313 new admissions in 2019, 26 new admissions/month

Addiction **OPD**: 1,500 patients under service/ month

- Number of patients referred for deferred prosecution as a conditional treatment: **nearly 700** in 2019 (=691)

# Why do we have to deal with drug use problems

- **Criminal problems** (physical assault, sex offense, arson, robbery...)
- DUI, traffic accidents
- Domestic violence
- **Increase the social costs** (productivity, medical care, imprisonment, family burden, social welfare)
- Social isolation
- Unemployment
- Physical illnesses
- **Mental disorders:** psychosis, depression, anxiety, suicide



**Disability**

**Next  
generation?**





# Remembering the forgotten non-communicable diseases

2014

Alan D Lopez<sup>1\*</sup>, Thomas N Williams<sup>2,3</sup>, Adeera Levin<sup>4</sup>, Marcello Tonelli<sup>5</sup>, Jasvinder A Singh<sup>6,7,8</sup>, Peter GJ Burney<sup>9</sup>, Jürgen Rehm<sup>10,11,12,13,14</sup>, Nora D Volkow<sup>15</sup>, George Koob<sup>16</sup> and Cleusa P Ferri<sup>17,18</sup>



**Figure 12** Nora D Volkow is Director of the National Institute on Drug Abuse; a position she had held since 2003. Her research transformed the drug addiction field by providing the first evidence for specific molecular (loss of striatal D2 receptors) and functional (impaired frontal control circuitry) changes in brains of addicted individuals that link to compulsivity and loss of control. She has also made ground-breaking discoveries in the neurobiology of ADHD and obesity.



**Figure 13** George F. Koob was recently appointed Director of the National Institute on Alcohol Abuse and Alcoholism after 30 years at The Scripps Research Institute in La Jolla California. His research has focused on the dysregulation of the brain arousal and stress systems that drive compulsive drug and alcohol seeking. He has made significant contributions to our understanding of the neurocircuitry of negative emotional states and their role in pathophysiology.

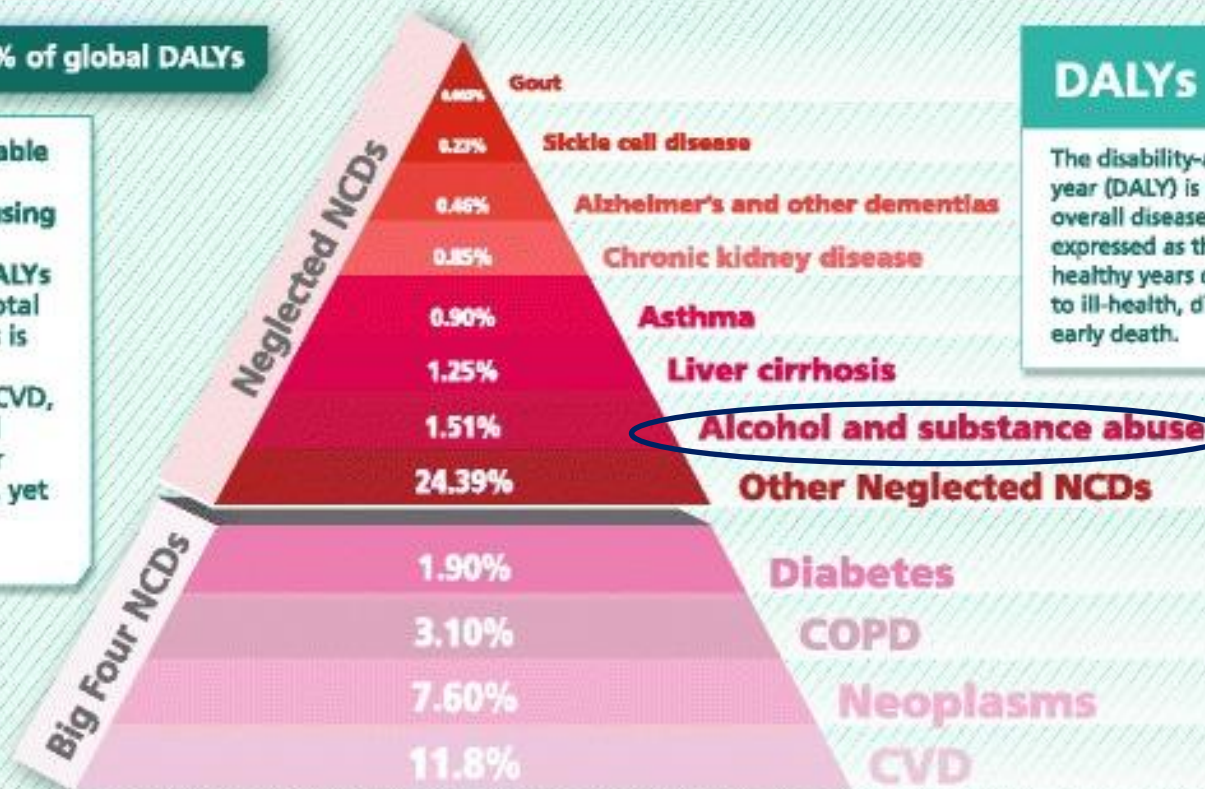
被遺忘的非傳染性疾病

## 被遺忘/忽略的非傳染病

# NEGLECTED NON-COMMUNICABLE DISEASES

### Burden of NCDs as % of global DALYs

Many non-communicable diseases (NCDs) are neglected despite causing a considerable health burden in terms of DALYs (shown in red). The total burden of these NCDs is comparable to the combined burden of CVD, neoplasms, COPD and diabetes (the Big Four NCDs; shown in pink), yet receive much less attention.



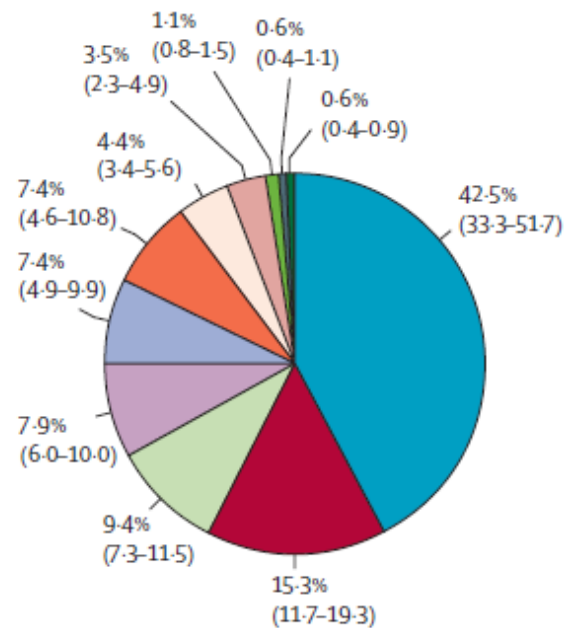
### DALYs

The disability-adjusted life year (DALY) is a measure of overall disease burden, expressed as the number of healthy years of life lost due to ill-health, disability or early death.

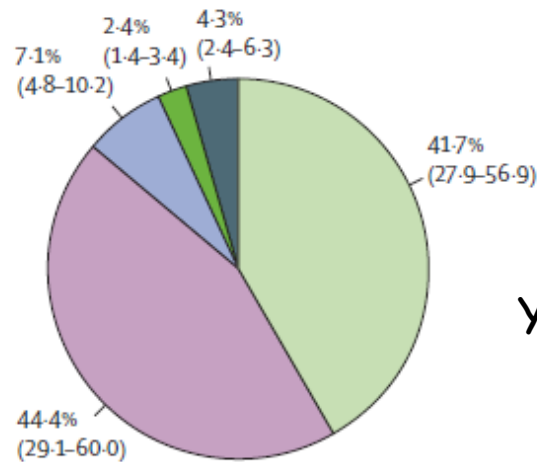
酒精與藥物濫用

DALYs: The disability-adjusted life year (DALI): 失能調整人年  
疾病負擔的指標

A YLDs



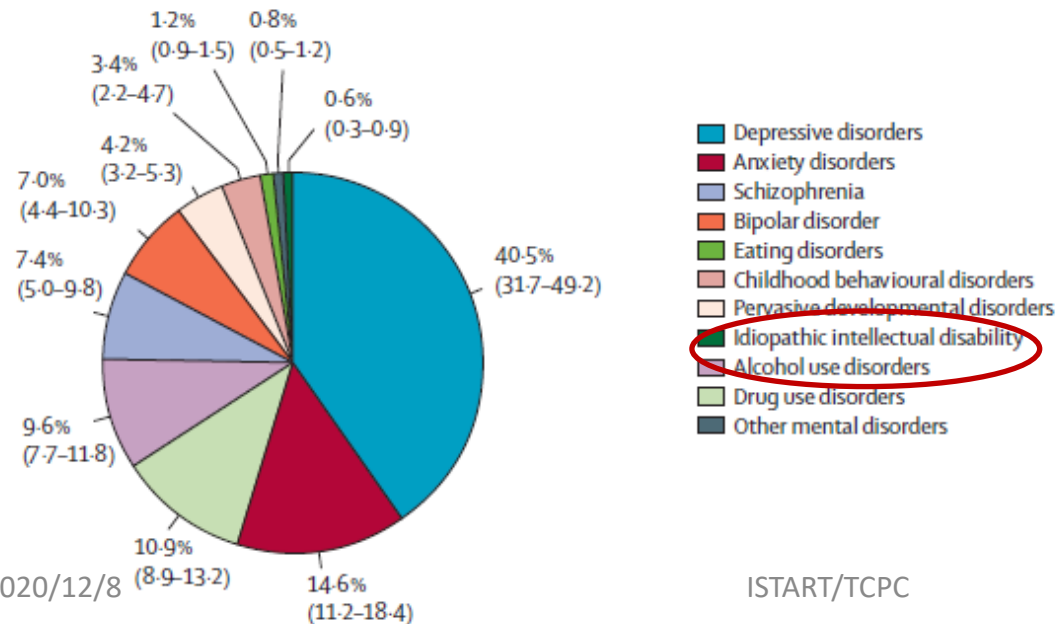
B YLLs



YLD: years lived with disability 失能損失年數

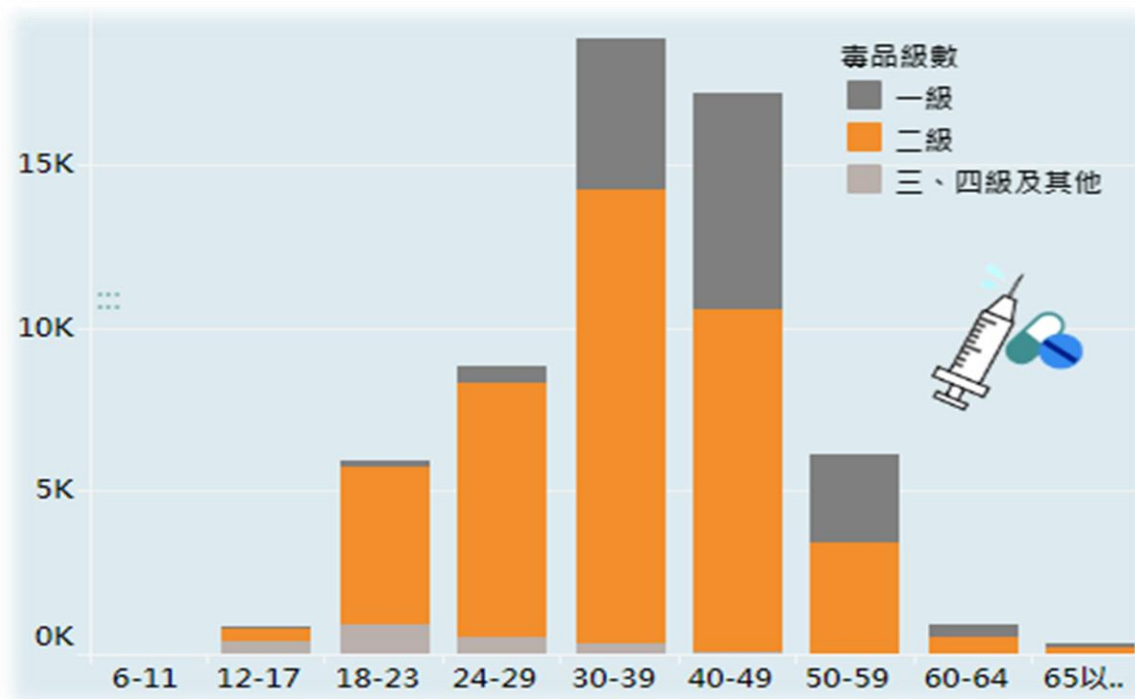
YLL: years of life lost to premature mortality 年壽損失年數

C DALYs



DALYs: 失能調整損失人年

## Prevalence in 2018 in Taiwan (data from legal system)



Heroin



- Methamphetamine
- Cannabis
- MDMA



**UNODC**

United Nations Office on Drugs and Crime



**World Health  
Organization**

# Principles of Drug Dependence Treatment

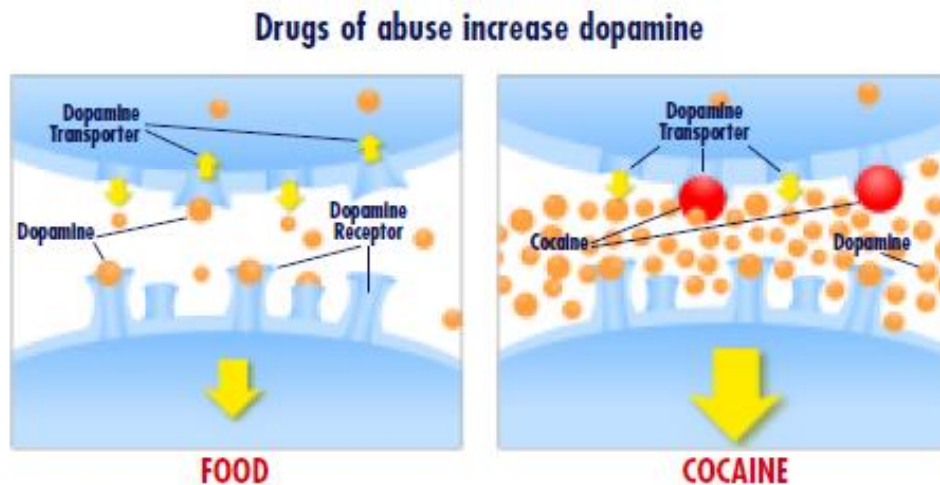
205 million people use illicit drugs, 25 million ( $\approx 1/8$ ) have illicit drug dependence



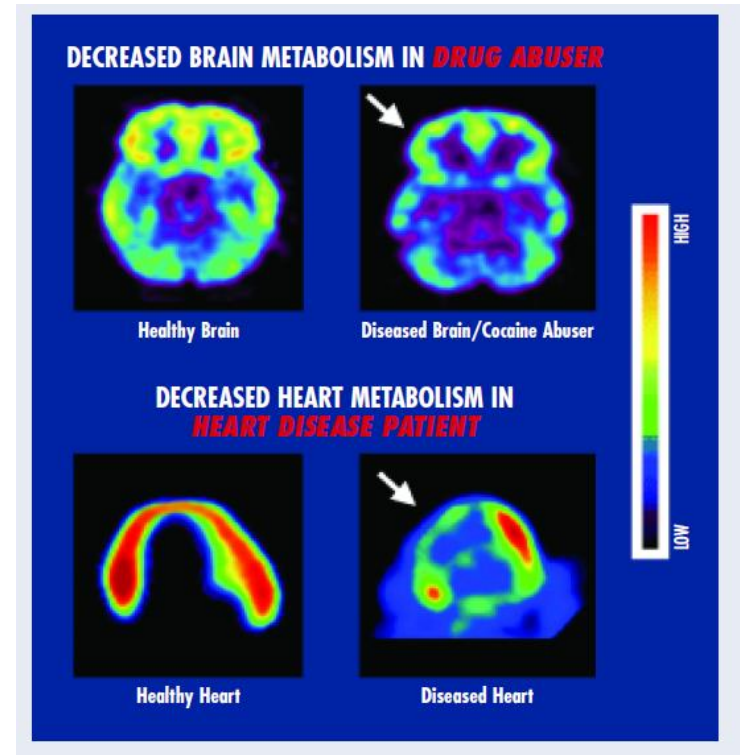
To begin with~~開宗明義

Drug addiction is a brain disease that affects behavior.

藥癮屬於大腦疾病，且會影響行為



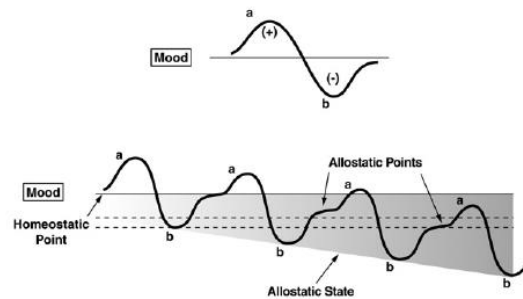
Receptor down-regulation

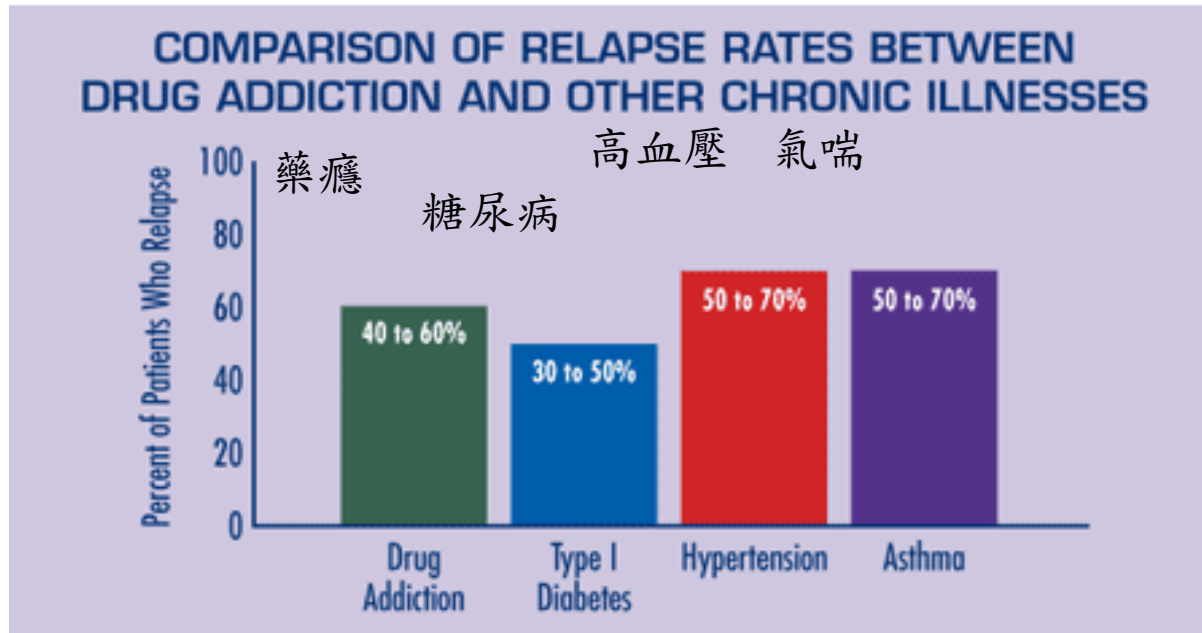


- Addictive substance alters the function of brain (成癮物質改變腦部的功能)

# Drug Dependence

- Multi-factorial health disorder that often follows the course of a relapsing and remitting chronic disease, like DM or hypertension.



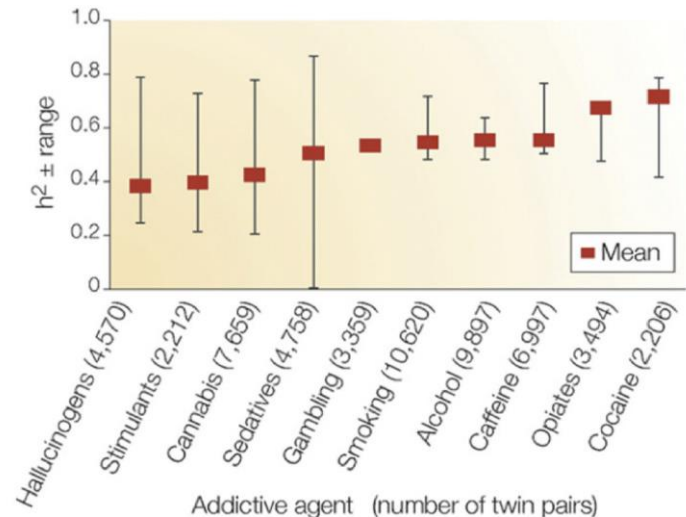
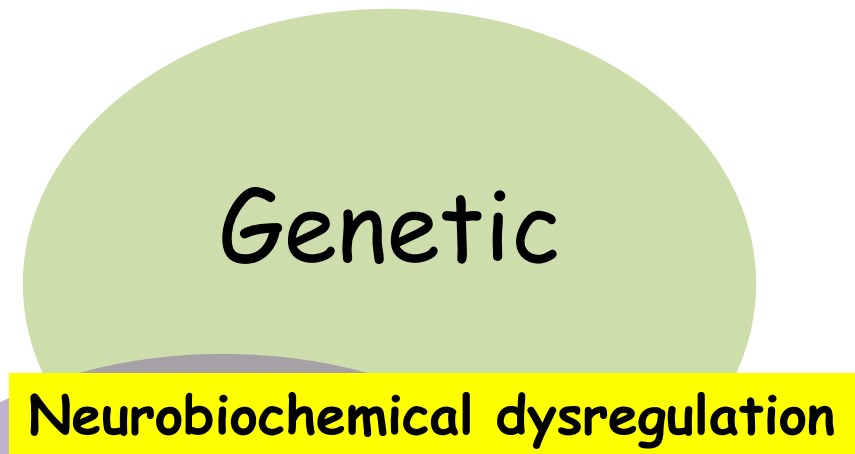


JAMA, 284:1689-1695, 2000

Relapse does not stand for treatment failure, but a sign for the need of treatment adjustment

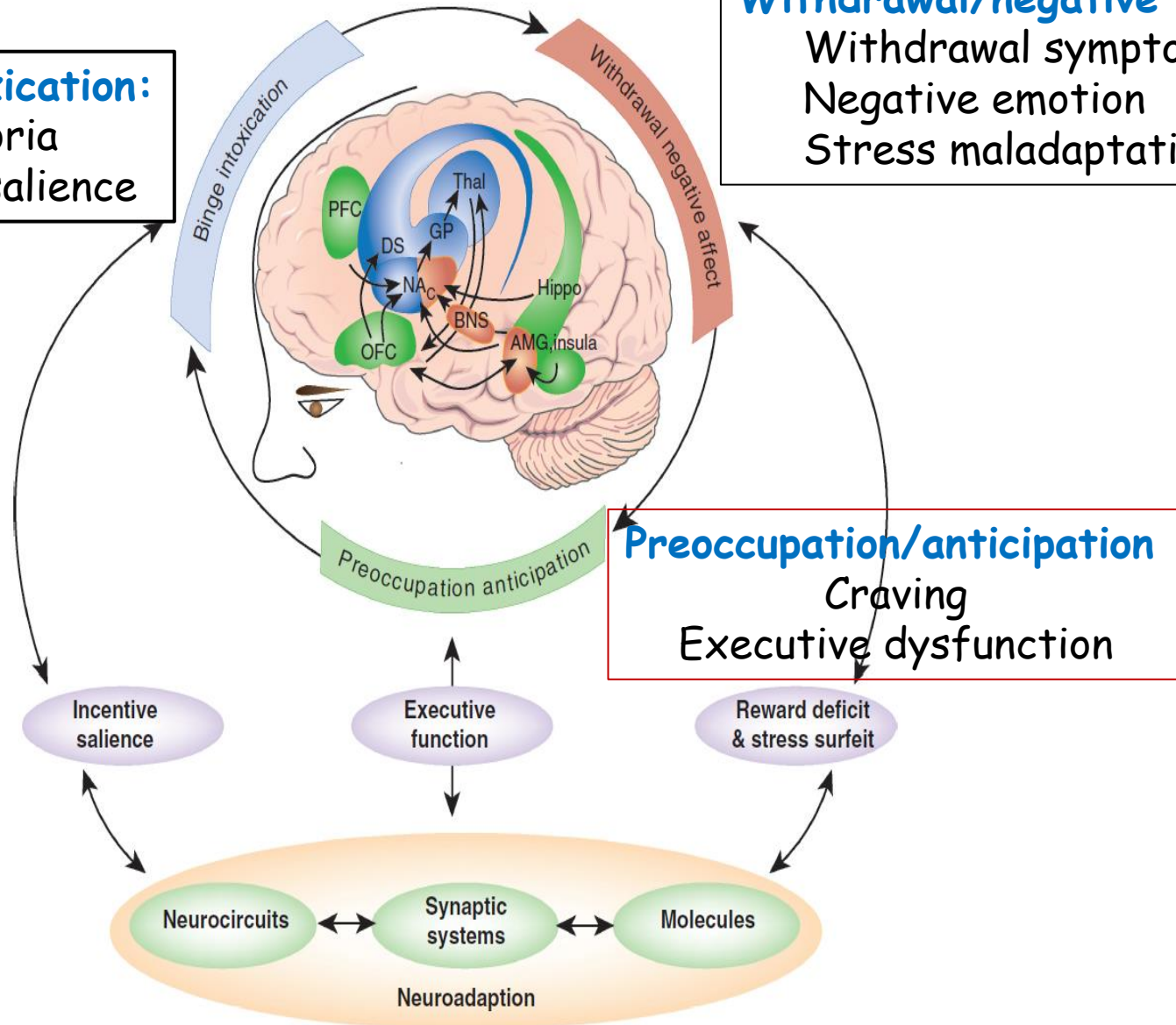
復發不代表介入/治療失敗，而是要調整或討論治療內容

The development of the disease is a result of a complex **multi-factorial interaction** between repeated exposure to **drugs**, and **biological** and **environmental** factors.



**Binge/Intoxication:**  
Euphoria  
Incentive salience

**Withdrawal/negative affect :**  
Withdrawal symptoms  
Negative emotion  
Stress maladaptation





Treatment vs. Intervention

Science (Neuroscience)-based (Medical) Model  
vs Drug Model

# Stigmatization of drug Dependence

- Unfortunately, still not recognized as a health problem, but **stigmatized** with no access to treatment and rehabilitation.
  - “**self-acquired disease**”, based on individual **free choice** leading to the **first experimentation** with illicit drugs, has contributed to **stigma and discrimination** associated with drug dependence.

# Drug Dependence

- A **preventable** and **treatable disease** （可避免與治療的疾病）
- Attempts to treat and prevent drug use through tough penal sanctions for drug users fail because **they do not take into account** the **neurological changes** drug **dependence** has on motivation pathways in the brain （大多數國家或政府仍將為法律制裁視為避免或治療的手段，未能將藥癮的腦神經變化列入考慮）

# 9 Principles of Drug Addiction Treatment (from UNODC)

## 原則一、藥癮治療的可得性與可近性-1

# Principle 1: Availability and Accessibility of Drug Dependence Treatment-1

- 可近性、分布、與連結: 社福團體、學校、自助團體可成為隱族群和治療初次接觸的entry points，這也連帶說明 outreach的重要性
- 服務時間(opening hours)的及時性與彈性: 待床時間短、對有工作或家庭照護責任的個案有彈性服務時間

- *Geographical accessibility, distribution and linkages*: schools, civil society organizations, and self help groups can serve as entry points of first contact for potential patients and help them access treatment, Outreach services are particularly important
- *Timeliness and flexibility of opening hours*: short waiting time for structured services or a wide range of opening hours will facilitate access to services for individuals with employment or family responsibilities.



## 原則一、藥癮治療的可得性與可近性-2

# Principle 1: Availability and Accessibility of Drug Dependence Treatment-2

- **Availabilities of low threshold services:** 如住院條件門檻
- **Affordability**
- **Legal framework:** 不會因求醫就導致制裁
- 因應文化特色、友善性、中立態度

- **Availabilities of low threshold services:** includes patient admission criteria.
- **Affordability**
- **Legal framework:** guarantee protection from potential sanctions for those seeking treatment.
- Cultural relevance, user friendliness, non-judgemental

- 毒品危害防制條例

- 第二十一條：犯第十條之罪者，於犯罪未發覺前，自動向行政院衛生署指定之醫療機構請求治療，醫療機構免將請求治療者送法院或檢察機關。

（第十條：施用第一級毒品者，處六月以上五年以下有期徒刑。施用第二級毒品者，處三年以下有期徒刑。）

## 原則一、藥癮治療的可得性與可近性-3

# Principle 1: Availability and Accessibility of Drug Dependence Treatment-3

- 精神病理的個案，如共病成癮和精神疾病的個案
- 司法犯罪系統：司法系統和健康照護系統合作，支持治療的轉介。
- 性別特色考量：如懷孕婦女、孩童照護...

- **Individuals with psychopathology:** e.g., patients with drug dependence and associated somatic or psychiatric disorders
- **Criminal justice system:** law enforcement officials, courts and prisons may closely collaborate with the health system to encourage drug dependent individuals to enter treatment.
- **Gender-sensitiveness of services:** e.g., pregnancy, child care needs...

# 精神科對成癮疾患的處理

## (Psychiatric management for patients with addictive disorders)

- 緩和/治療中毒，戒斷症狀，以及嚴重併發症  
(alleviation/treatment of intoxication, withdrawal symptoms, and serious complications)
- 建立/達成一個alcohol-free 或drug-free state，準備進一步之復健治療或停用之維持治療  
(achieve an alcohol- or drug-free state for further rehab or maintenance treatment)
  - 藥物治療 (pharmacotherapy)
  - 治療共病之精神疾患，如精神病、憂鬱症、焦慮症、失眠等  
(psychiatric comorbidity treatment, e.g. psychosis, depression, anxiety, insomnia etc.)
  - 非藥物治療 (non-pharmacotherapy):
    - 復發防範/動機促進等認知行為治療 (團體心理治療或個別心理治療型式)  
(relapse prevention/motivational enhancement)(individual/group/family psychotherapy)
    - 自助團體：narcotic anonymous, alcoholic anonymous

# Pharmacotherapy

## Tobacco Addiction (菸癮)

Nicotine replacement therapies (available as a patch, inhaler, or gum)

Bupropion

Varenicline

## Opioid Addiction(鴉片類成癮)

Methadone

Buprenorphine: sublingual, LAI, implant, buccal film

Naltrexone

## Alcohol and Drug Addiction (酒癮)

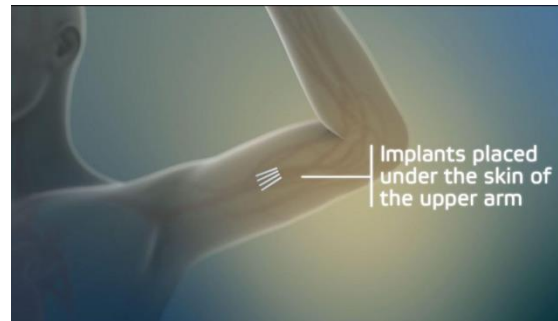
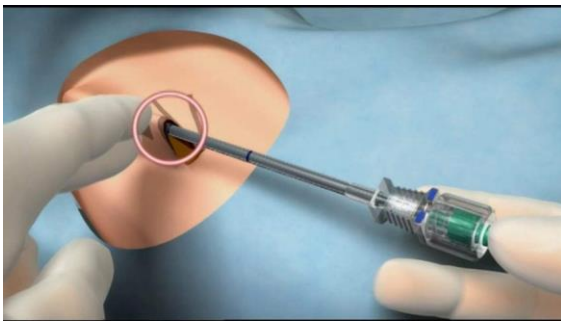
Naltrexone

Disulfiram

Acamprosate

**Sublocade™**  
(buprenorphine extended-release)  
injection for subcutaneous use ©  
100mg•300mg

Long-term injection  
Once monthly  
FDA: 2017, Nov 30



Implants  
6 month  
FDA: 2016, May 26

ADHERES → DISSOLVES → DELIVERS



- Bi-layered film technology
- Active drug in the mucoadhesive layer
- Backing layer facilitates unidirectional flow of drug

- Adheres to oral mucosa in < 5 seconds
- Completely dissolves within 15-30 minutes
- Minimal taste issues

- Rapid drug absorption
- Designed to optimize delivery across the mucosa

ISTART/TCPC

Bunavail: Suboxone buccal film

FDA: 2017, May 02

# Non-pharmacotherapy

## Psychosocial treatment

- Individual psychotherapy
- Group psychotherapy
- Couple therapy
- Family therapy

## • Approach

- Motivational enhancement
- 12 steps
- Cognitive behavioral therapy (CBT)



## • Self-help group

- narcotic anonymous (NA),
- alcoholic anonymous (AA)



## 原則二：篩檢、評估、診斷、治療計畫-1

# Principle 2: Screening, Assessment, Diagnosis and Treatment Planning-1

- **Screening:** 工作人員要熟悉如何辨識危險使用者、藥癮、危險行為(不安全性行為、暴力、自殺)(多引入點: 一般醫療、學校、諮商服務、工作單位)
- **Assessment and diagnosis:** 成癮與精神科共病

- **Screening:** standardized tools to identify individuals with hazardous or harmful drug use, or drug dependence, as well as associated risk behaviors (unprotected sexual activity, potential violent behavior, suicide risk) (multiple entry points: primary health care system, school health and counselling services, and employee assistance programmes at work places )
- **Assessment and diagnosis:** drug use disorders and associated psychiatric co-morbidity

# Screening

Addictive Behaviors 33 (2008) 1590–1593



Contents lists available at [ScienceDirect](https://www.sciencedirect.com)

Addictive Behaviors



Short communication

Severity of heroin dependence in Taiwan: Reliability and validity of the Chinese version of the Severity of Dependence Scale (SDS<sup>[Ch]</sup>)

Vincent Chin-Hung Chen<sup>a,b</sup>, Hong Chen<sup>c</sup>, Tsang-Yaw Lin<sup>c</sup>, Hwey-Hwang Chou<sup>d</sup>, Te-Jen Lai<sup>a,b</sup>, Cleusa P. Ferri<sup>e</sup>, Michael Gossop<sup>e,\*</sup>

Chinese version of the Severity of Dependence Scale (SDS): 陳錦宏醫師

Addiction Severity Index Lite version (ASI-LITE): 李思賢教授

# S-BI-RT

**S**creening (篩檢)  
**B**rief **I**ntervention (簡短介入)  
**R**eferral to **t**reatment (轉介治療)



**C**ar  
**R**elax  
**A**lone  
**F**amily  
**F**riends  
**T**rouble

# SBIRT Screening Protocol

SBIRT: Screening-Brief Intervention & Referral to Treatment

- A nationally recognized SAMHSA supported screening PROTOCOL with a strong research base demonstrating effectiveness
- It's relatively low-tech and brief – 5 to 10 minutes
- It's universal – anyone can be screened as part of a standard intake process
- It targets alcohol and other drugs

# S-BI-RT

## Screening-brief intervention-referral to treatment



在過去12個月以來，是否有以下情形：

1. 曾經喝過酒嗎(超過數口以上程度)？
2. 曾吸食過大麻？
3. 曾服用任何物質(含非法藥物或非處方用藥)讓自己感覺比較好？

完全沒有

讚美並鼓勵

“你選擇不使用藥物或酒精是一個非常好的決定，要繼續保持下去”  
詢問CRAFT中 “C項目”

其一符合

C項目符合

“請勿再次搭乘有危險駕駛疑慮之車輛，因為人容易錯估情勢。”  
[www.sadd.org/contract.htm](http://www.sadd.org/contract.htm)

### 評估 CRAFT

C = 曾經搭乘因喝酒或用藥而很“亢奮”的人(包括自己)所駕車或騎車？

R = 曾經喝酒或用藥以達放鬆、或讓自己感覺更好？

A = 曾經獨自喝酒或用藥？

F = 曾經遺忘喝酒或用藥時發生的事？

F = 家人或朋友曾經為了你好希望你停止喝酒或用藥？

T = 曾因喝酒或用藥而惹上麻煩？

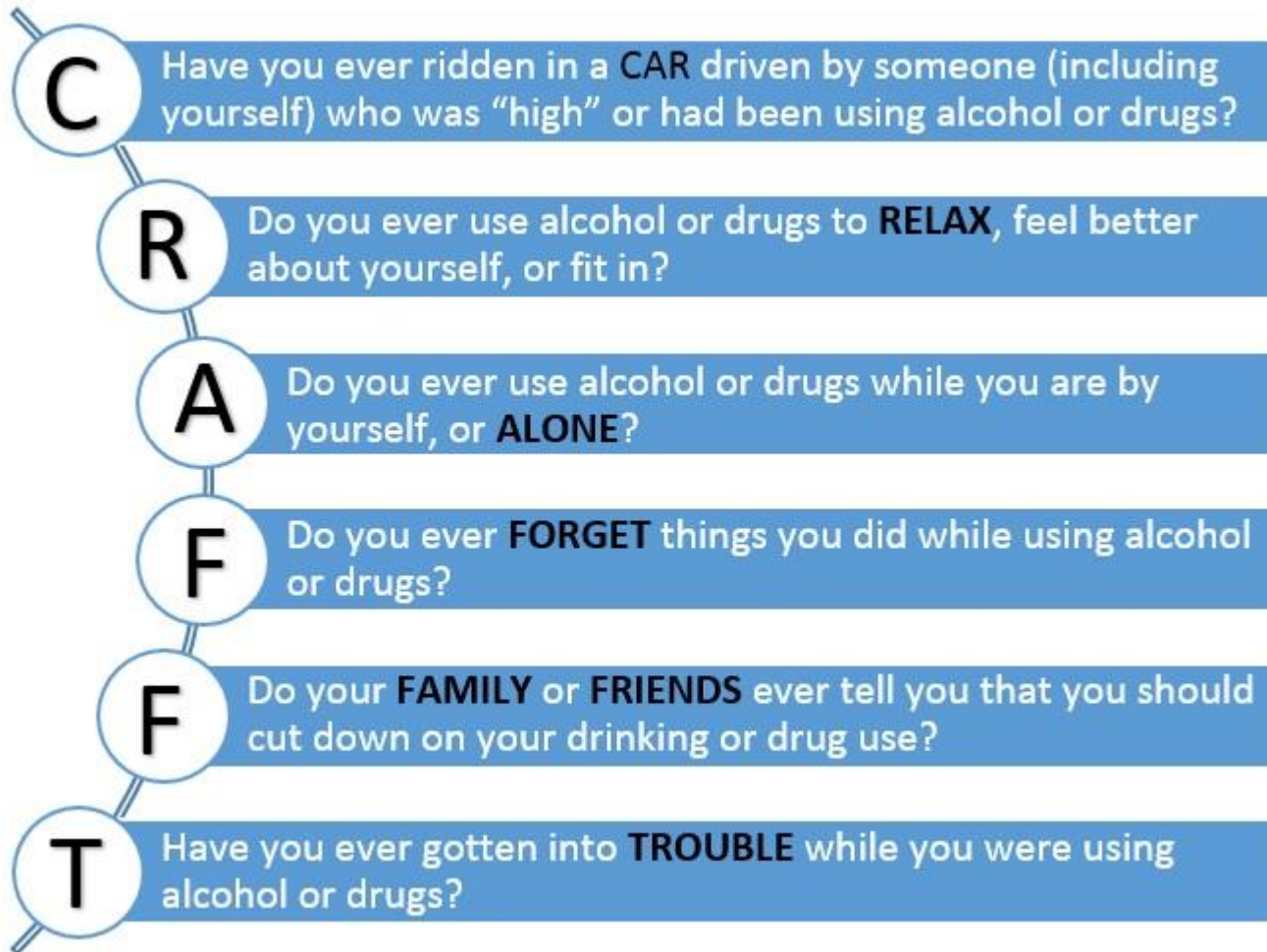
During the **PAST 12 MONTHS**, did you:

1. Drink any alcohol (more than a few sips)?

*Do not consider sips of alcohol taken during family or religious events.*

2. Smoke any marijuana or hashish?

3. Use anything else to get high?



## CRAFFT Score, Risk Level and Recommended Action

The Table shows how the CRAFFT is scored, risk level, and recommended actions to take.



Score	Risk Level	Recommended Action
"No" to 3 opening questions	No risk	Positive reinforcement
"Yes" to car question	Riding risk	Discuss alternatives to riding with impaired drivers
CRAFFT score = 0	Medium risk	Brief advice
CRAFFT score = 1		Brief intervention
CRAFFT score $\geq 2$	High risk	Consider referral for further assessment (delivered through brief intervention)



## 原則二：篩檢、評估、診斷、治療計畫-2

# Principle 2: Screening, Assessment, Diagnosis and Treatment Planning-2

- **Comprehensive assessment:** 成癮嚴重度、身體疾病、精神科共病、人格特質、職業史與工作狀況、家庭與社交、法律問題、成長/學業史、幼時創傷、過去就醫史、家族史...

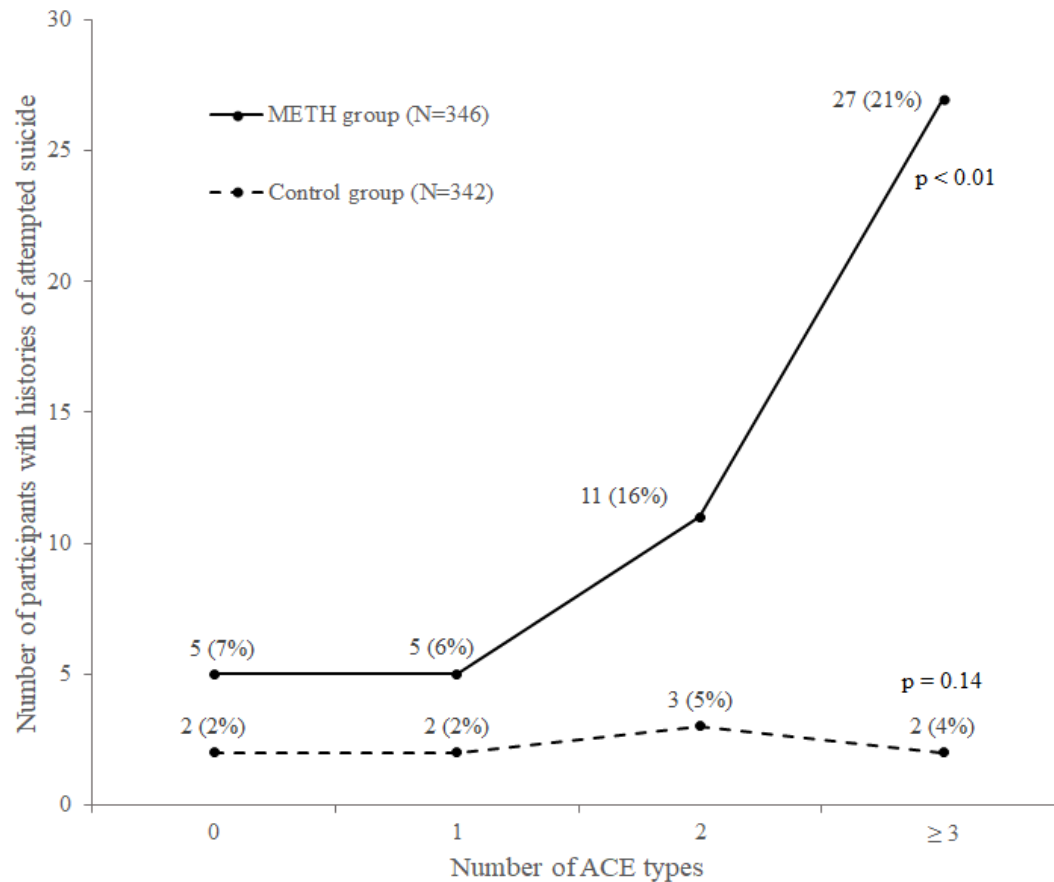
- **Comprehensive assessment:** severity of drug use disorders , somatic and mental health status, individual temperament and personality traits, vocational and employment status, family and social integration, and legal situation, childhood and adolescent history, family history and relationships, social and cultural circumstances, and previous treatment attendance.

## Reliability and Factor Structure of the Chinese Version of Childhood Trauma Questionnaire-Short Form in Patients with Substance Use Disorder

*Ying-Chih Cheng, M.D.<sup>1,5</sup>, Chun-Hsin Chen, M.S., M.D.<sup>2,3</sup>, Kuan-Ru Chou, M.D.<sup>4</sup>,  
Po-Hsiu Kuo, Ph.D.<sup>5,6\*</sup>, Ming-Chyi Huang, M.D., Ph.D.<sup>3,7,\*</sup>*

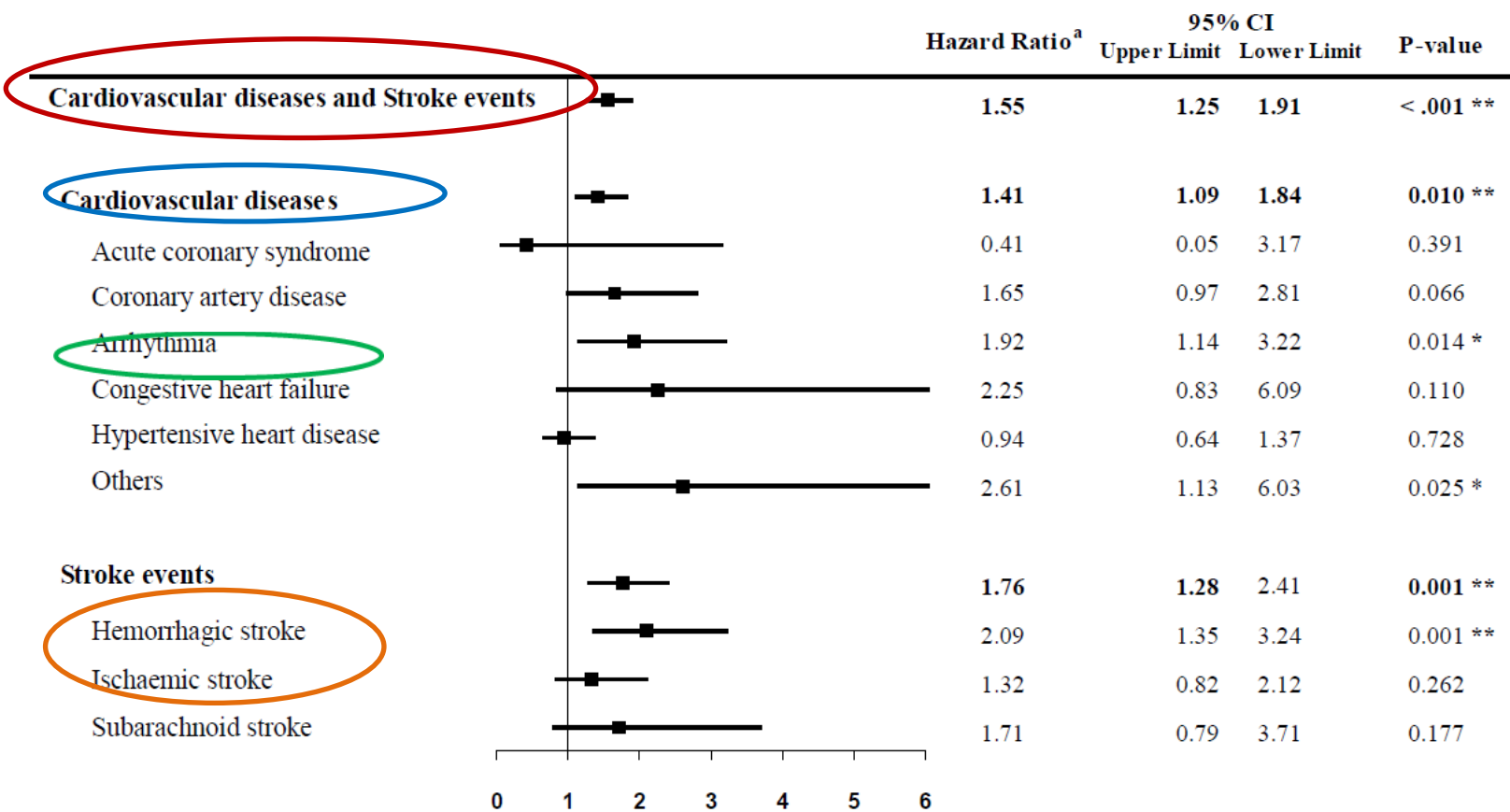
C-CTQ-SF scale scores (mean $\pm$ SD), (%) <sup>§</sup>	N = 160	(%)
Physical abuse	7.7 $\pm$ 3.8	(35)
Emotional abuse	8.4 $\pm$ 3.4	(38)
Sexual abuse	5.8 $\pm$ 1.6	(29)
Emotional neglect	12.3 $\pm$ 4.8	(71)
Physical neglect	9.4 $\pm$ 3.1	(70)

Cochran-Armitage trend analyses for the reported number of childhood trauma types (0, 1, 2, or  $\geq 3$ ) and histories of attempted suicide for the methamphetamine and control groups.



台南明星師「周湯豪」猝死 死因逆轉!搜出針筒吸毒暴斃!

**The risk** of cardiovascular diseases and stroke events in methamphetamine users→  
**routine BP assessment**



\*p<0.05, \*\* p<0.01

## 原則二：篩檢、評估、診斷、治療計畫-3

### Principle 2: Screening, Assessment, Diagnosis and Treatment Planning-3

- **The treatment plan:** 建議提供一個治療計畫的紙本摘要，包括療程內容。治療本身需要隨個案狀況而改變

- **The treatment plan:** A care or treatment plan is a written description of the treatment to be provided and its anticipated course. The plan is then monitored and revised periodically as required to respond to the patient's changing situation.

# The treatment plan

- 利用手冊與個案共同在復原之路上努力

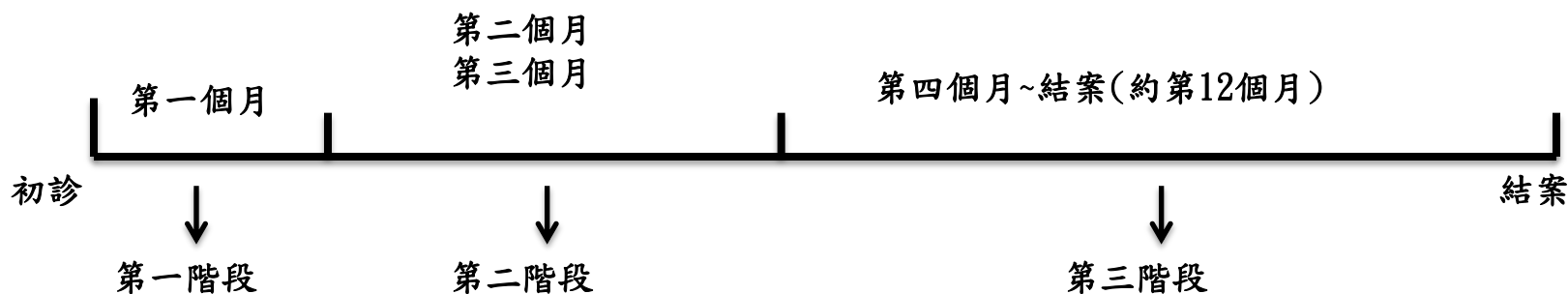


目 錄	
一、認識二級成癮物質.....	2
二、想一想，好壞分析.....	4
三、學習自我辨識高危險情境.....	5
四、遠離成癮物質三步驟.....	6
五、控制『癮頭』的八種策略.....	9
六、如何遠離成癮物質.....	11
七、地檢署緩起訴門診治療說明.....	12



# 北檢轉介二級毒品緩起訴門診追蹤流程

## (The protocol of medical visits for those who receive deferred prosecution as a conditional treatment)



- **Stage I(第一階)**: 每週回診一次，共四次 (weekly, 4 visits)
- **Stage II (第二階)**: 每兩週回診一次，共四次 (biweekly, 4 visits)
- **Stage III (第三階)**: 每四週回診一次，直至結案 (q4w, until end)

Each visit: Medical assessment and treatment and urine toxicology

# 原則三、Evidence-informed 藥癮治療-1

## Principle 3: Evidence-informed Drug Dependence Treatment-1

- A range of evidence-based pharmacological and psychosocial interventions: No single treatment for all patients
- Sufficient duration
- The integration of psychosocial and pharmacological treatment methods, rather than the addiction only
- Multidisciplinary: 多職類/專業/跨科別
- Brief Intervention: an effective and economical prevention option

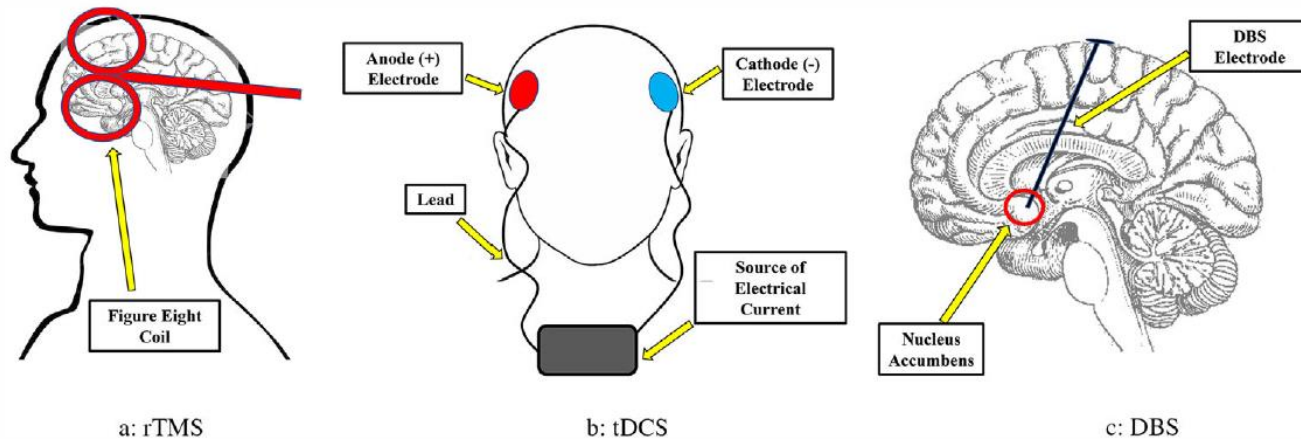


FIGURE 1. Diagrams to illustrate the three brain stimulation techniques: (a) rTMS, (b) tDCS, and (c) DBS.

## Brain Stimulation

- rTMS: repetitive Transcranial Magnetic Stimulation
- tDCS: transcranial Direct Current Stimulation
- DBS: Deep Brain Stimulation

短期r-TMS 或tDCS (2-5 sessions)可以顯著降低craving或consumption

## 原則三、Evidence-informed 藥癮治療-2

### Principle 3: Evidence-informed Drug Dependence Treatment-2

- A range of evidence-based pharmacological and psychosocial interventions: No single treatment for all patients
- **Sufficient duration**
- The integration of psychosocial and pharmacological treatment methods, rather than the addiction only
- Multidisciplinary: 多職類/專業/跨科別
- Brief Intervention: an effective and economical prevention option

## 什麼是足夠的治療時間 (What is sufficient duration) ?

- 大約有 10% 的成癮者表示他們曾經有過酒藥癮問題，但現在並無 (90% substance abusers have active problems of addiction at present) 。 (Worley et al., 2016)
- 83% substance abusers experience the cycle of relapse→ abstinence→ sobriety (Scott et al., 2005)
- 50-60% relapse within 6 months.
  - intervention should last for 6-12 months.

(Hunt et al., 1971; Hubbard et al., 1989; Finney et al., 1996; Simpson et al., 1997; Anglin et al., 1997; McKay et al., 1999, 2004)

Special Section: Defining and Measuring “Recovery”  
Special article

What is recovery? A working definition from the Betty Ford Institute  
The Betty Ford Institute Consensus Panel<sup>☆</sup>

Received 16 February 2007; received in revised form 4 June 2007

- WHO's definition of health: complete physical, mental, and social well-being, not merely the absence of disease”
  - 自主維持Sobriety, personal health, citizenship的一個生活型態。(Betty Ford Institute)
  - improved health, wellness and quality of life” (Center for Substance Abuse Treatment, 2007).
- 持續治療追蹤五年以上，可以帶來較好的預後 (5 years of treatment is associated with better outcomes)



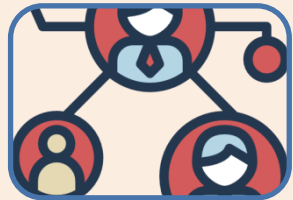
# 原則三、Evidence-informed 藥癮治療-3

## PRINCIPLE 3: Evidence-informed Drug Dependence Treatment-3

- A range of evidence-based pharmacological and psychosocial interventions: No single treatment for all patients
- Sufficient duration
- The integration of psychosocial and pharmacological treatment methods, rather than the addiction only
- Multidisciplinary: 多職類/專業/跨科別
- Brief Intervention: an effective and economical prevention option

# Individualized treatment

- 服務項目(多職類/專業/跨科別)



個案管理



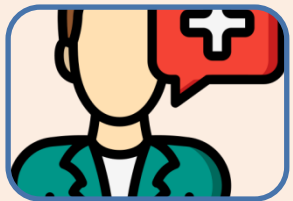
心理治療



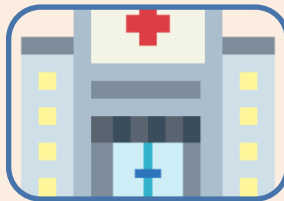
職能治療



社工介入



醫療門診



合作機構轉銜

- 象山學園治療內容

	一	二	三	四	五
09:00   12:00	<ul style="list-style-type: none"> <li>● 藥癮特別門診</li> <li>● 個管師評估時間</li> <li>● 個別藥物諮詢</li> </ul>				
10:00   11:30	正念情緒 調適團體	生活重建 團體	認知心理 治療團體	就業準備 團體	藥物衛教 團體
13:30   16:30	<ul style="list-style-type: none"> <li>● 個別心理治療</li> <li>● 個別職能治療與評估</li> </ul>				

# Brief Intervention

- 利用手冊與個案共同在復原之路上努力



目 錄	
一、認識二級成癮物質.....	2
二、想一想，好壞分析.....	4
三、學習自我辨識高危險情境.....	5
四、遠離成癮物質三步驟.....	6
五、控制『癮頭』的八種策略.....	9
六、如何遠離成癮物質.....	11
七、地檢署緩起訴門診治療說明.....	12

## Adolescent SBIRT Opening Questions

During the past 12 months, did you:

1. Drink any alcohol (more than a few sips)?
2. Smoke any marijuana or hashish?
3. Use anything else to get high? ("Anything else" includes illegal drugs, over the counter and prescription drugs, and things that you sniff or "huff.")

**No to all**

### Praise and Encouragement

"You have made some very good decisions in your choice not to use drugs and alcohol. I hope you keep it up."

### CRAFT "CAR" Question

**If Yes to CAR**

"Please don't ever ride with a driver who has had even a single drink, because people can feel that it's safe to drive even when it's not."

**Offer a Contract for Life:**  
[www.sadd.org/contract.htm](http://www.sadd.org/contract.htm)

**Yes to any**

### Administer CRAFT

- C** = Have you ever ridden in a **CAR** driven by someone (including yourself) who was "high" or had been using alcohol or drugs?
- R** = Do you ever use alcohol or drugs to **RELAX**, feel better about yourself, or fit in?
- A** = Do you ever use alcohol or drugs while you are by yourself, or **ALONE**?
- F** = Do you ever **FORGET** things you did while using alcohol or drugs?
- F** = Do your family or **FRIENDS** ever tell you that you should cut down on your drinking or drug use?
- T** = Have you ever gotten into **TROUBLE** while you were using alcohol or drugs?

### Brief Advice

"I recommend that you stop (drinking/smoking) and now is the best time. Alcohol/drugs kill brain cells and can make you do stupid things that you will regret. You are such a good (student/friend/athlete). I would hate to see anything interfere with your future."

**CRAFT = 0 or 1**

**CRAFT ≥ 2**

### Brief Assessment

Tell me about your alcohol/substance use. Has it caused you any problems? Have you tried to quit? Why?

**No Signs of Acute Danger or Addiction**

### Brief Negotiated Interview to stop or cut down.

#### Give brief advice and summary.

"As your physician, I recommend that you quit drinking entirely for the sake of your health and your brain, but we both know that decision is up to you. You said that all of your friends drink and you enjoy drinking at parties; on the other hand, you recently had a blackout and are not sure how you got home that night. What are your plans regarding alcohol use in the future?"

#### Give praise and encouragement if willing to quit. Plan follow-up.

"It sounds like you have already started thinking about how alcohol use is affecting your life and that it would be a really smart decision to cut down. Would you be willing to quit drinking entirely for one month and then check in again with me?"

#### If unwilling to quit, encourage to cut down. Plan follow-up.

"OK, it sounds like you're not willing to quit entirely, but you do want to cut down. Are you willing to limit yourself to one drink when you are at a party to make sure you don't have another blackout? I'd like you to come back in one month to see how that goes."

**Signs of Addiction**

**≤ 14 years, daily or near daily use of any substance, CRAFT ≥ 5, alcohol related blackouts (memory lapses):**

#### Refer to treatment.

##### Summarize

"I hear you saying that you depend on marijuana to help you concentrate and relax. You are frustrated because you are fighting with your parents all of the time and you were suspended from school. You tried quitting for a while, but that didn't last long. I am worried that you may be losing control over marijuana."

##### Refer

"I would like you to speak to someone to think more about the role marijuana is playing in your life, and the impact it could have on your future."

##### Invite parents

"Let's tell your parents that you have agreed to talk to someone about marijuana. They already know you use, and in my experience parents are usually relieved when their child agrees to speak to someone. I don't plan on saying much else, but is there anything you would like to be sure I keep confidential?"

**Signs of Acute Danger**

**Drug-related hospital visits; use of IV drugs; combining alcohol use with benzodiazepines, barbiturates or opiates; consuming potentially lethal volume of alcohol (14 or more drinks); driving after substance use.**

#### Make an Immediate Intervention

##### Contract for safety:

"I am really worried about your drinking. Could you agree not to drink at all this weekend until you can speak with your counselor/me again on Monday?"

##### Consider breaking confidentiality to ask parents to monitor and insure follow-through:

"I am going to tell your parents about our agreement so that they can support you."



CRAFFT = 0 or 1

CRAFFT ≥ 2

### 簡短建議

“現在是你停止使用的最佳時機，酒精/藥物會破壞大腦細胞，進而干擾你的生活。你這麼優秀，我不希望它們影響你的未來。”

### 簡短評估

可與我分享有關你喝酒或用藥的經驗。有因此而發生問題嗎？你曾經想停止使用嗎？為什麼呢？

無立即危險或成癮

有成癮跡象

有立即危險跡象

## Brief Intervention

### ◎簡短訪談◎

#### 給予建議與統整

“身為你的醫生，為了你的健康，我強烈建議你滴酒不沾，但這需自己下定決心。在聚會和朋友中盡興飲酒，但卻無法記得自己如何回到家。對此你有任何戒酒想法嗎？”

#### 鼓勵戒除並追蹤

“聽起來你願意開始思考酒精對生活的影響，這會是戒除的好機會。你願意嘗試停止喝酒一個月並回來看我嗎？”

#### 鼓勵減量並追蹤

“聽起來滴酒不沾目前不易做到，不妨試試在聚會當中不喝超過一個標準單位酒精，如此可確保不再發生酒後失憶。希望你一個月後回來與我分享？”

≤ 14歲，幾乎或每天使用，  
CRAFFT ≥ 5 且有酒精性失憶

### ◎轉介治療◎

#### 統整

“因為和家人的爭執與學業中斷讓你感到挫折，你藉由使用大麻讓自己集中精神和放鬆。你嘗試停用一陣子但無法持久，我擔心你對大麻會失去控制感。”

#### 諮詢

“我建議你可以諮詢相關單位討論有關大麻對你目前及未來生活的影響。”

#### 邀請雙親

“讓我們告訴父母你願意跟人討論使用大麻事情，雖然他們已知情，但就我經驗這麼做會讓他們更安心。對於其他事項我不會多說明，或者有什麼事是你希望我保密的呢？”

ISTART/TCPC

藥物相關就醫紀錄；  
使用靜脈注射藥物；  
酒精與特定藥物共用  
(苯二氮類、巴比妥類  
和鴉片類)；  
飲酒量超過14標準單  
位酒精；  
物質使用後駕駛

### ◎立即介入◎

#### 安全性約定

“我真的很擔心你的飲酒/用藥狀況，你可以答應我下周回診前試著做到停酒/停藥嗎？”

#### 建立家庭支持網

“我將會告訴你的父母我們間的約定，這樣他們也可以一起幫助你。”

## 原則三、Evidence-informed 藥癮治療-4

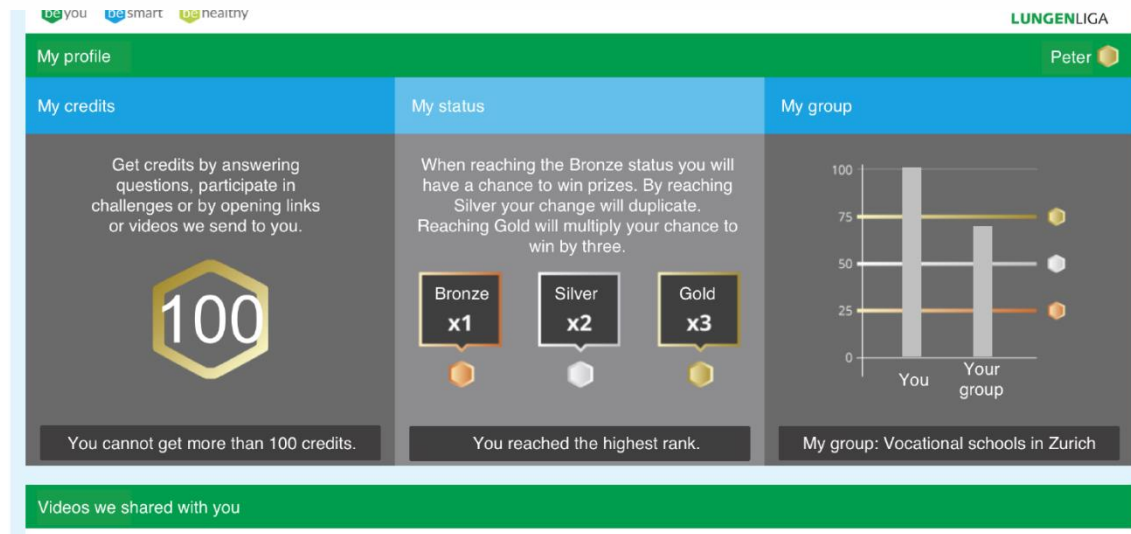
### Principle 3: Evidence-informed Drug Dependence Treatment-4

- **Outreach and low-threshold:** 對不太願意參與正規治療的個案有助益
- **Basic services:** 解毒、藥物、諮商、復健、社會支持
- **Medically-supervised withdrawal:** 銜接長期drug-free program
- **Maintenance medications:** methadone and buprenorphine

- **Outreach and low-threshold:** can reach patients not motivated to engage in structured forms of treatment.
- **Basic services:** detoxification, psychosocially assisted opioid agonist pharmacotherapy of opioid dependence, counseling, rehabilitation strategies and social support.
- **Medically-supervised withdrawal:** preparatory step to start long lasting drug-free program
- **Maintenance medications:** methadone and buprenorphine

## Outreach and low-threshold

# A Mobile Phone-Based Life Skills Training Program for Substance Use Prevention Among Adolescents: Pre-Post Study on the Acceptance and Potential Effectiveness of the Program, Ready4life



## STUDY PROTOCOL

## Open Access

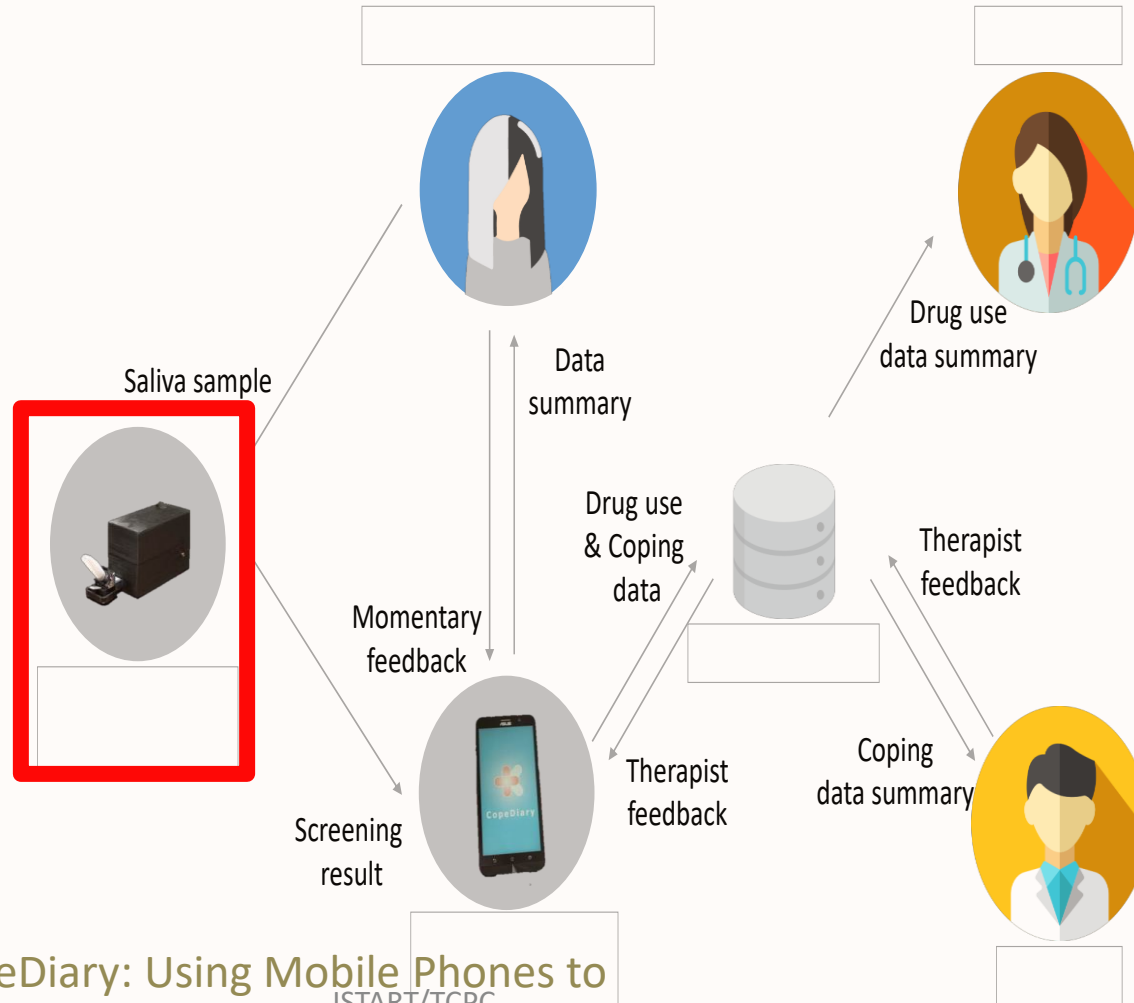
Using smartphones to decrease substance use via self-monitoring and recovery support: study protocol for a randomized control trial





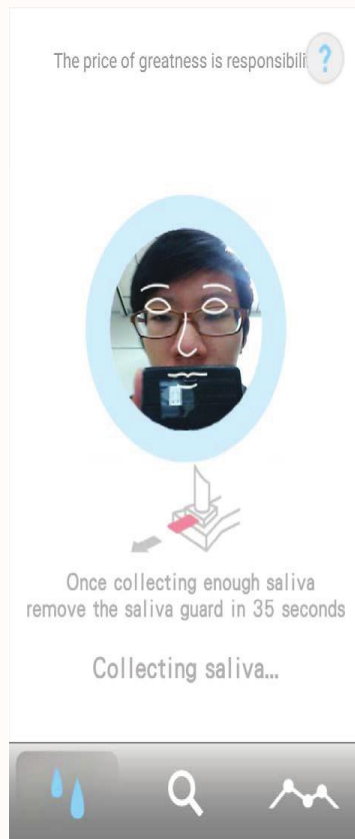
# Saliva-screening device

- Portable
- Accuracy: 93%



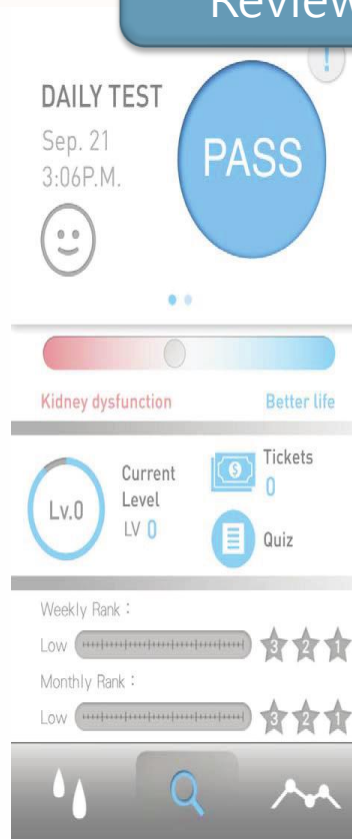
# The KeDiary Application

## Drug Record

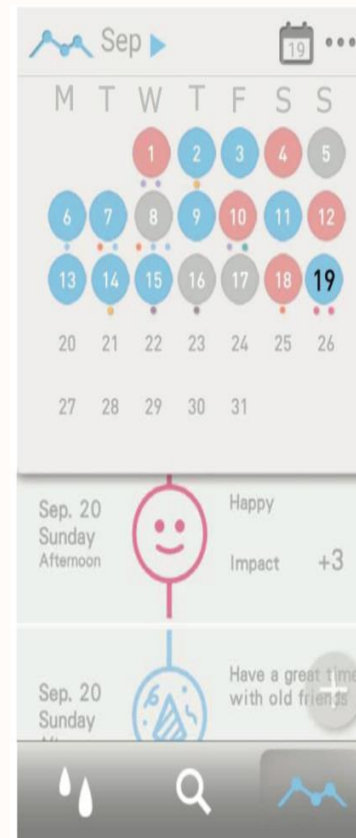


(a) Saliva screening

## Sober Review



(b) Data visualization



(c) Monthly visualization

## 原則三、Evidence-informed 藥癮治療-5

### Principle 3: Evidence-informed Drug Dependence Treatment-5

- Psychological and social interventions: CBT, MI, CM, OT, **MATIRX**
- Self-help support group
- Socio-cultural relevance:
- Knowledge transfer and ongoing clinical research: permanently improve the treatment programs
- **Training**

# Knowledge transfer and ongoing clinical research

**Table 1** Baseline demographic characteristics, psychological symptoms, and METH use variables in study participants stratified by relapse of METH use during the one-year follow-up

	Overall (N=449)	Relapse group (N=170)	Non-relapse group (N=279)	<i>p</i>
<b><i>Demographic characteristics</i></b>				
Age, y/o, mean (SD)	35.3 (9.3)	35.3 (9.8)	35.3 (9.0)	0.999
≤ Median age (35 y/o), n (%)	240 (53.45)	90 (52.9)	150 (53.8)	0.866
Males, n (%)	424 (94.4)	162 (95.3)	262 (93.9)	0.534
Married, n (%)	58 (13.2)	22 (13)	36 (13.2)	0.680
Education, years ≤ 12, n (%)	207 (46.9)	92 (55.1)	115 (42)	<b>0.007</b>
Employed, n (%)	400 (95.0)	152 (96.2)	248 (94.3)	0.384
History of other criminal records, n (%)	90 (20.3)	40 (24)	50 (18.1)	0.139
<b><i>Psychological symptoms</i></b>				
BDI scores, Mean (SD)	11.1 (10.4)	13.5 (12.2)	9.7 (8.9)	<b>&lt;0.001</b>
≥ 20 (Moderate/Severe depression), n (%)	87 (19.4)	45 (26.5)	42 (15.1)	<b>0.003</b>
BAI scores, Mean (SD)	6.1 (8.2)	7.4 (9.2)	5.3 (7.4)	<b>0.011</b>
≥ 16 (Moderate/Severe Anxiety), n (%)	48 (10.7)	27 (16.2)	21 (7.6)	<b>0.005</b>
SWLS scores, Mean (SD)	20.9 (7.4)	19.9 (7.4)	21.5 (7.3)	<b>0.027</b>
<b><i>METH use-related variables</i></b>				
Age of first METH use, y/o, mean (SD)	29.9 (10.3)	28.1 (9.9)	31 (10.4)	<b>0.004</b>
Duration of METH use, months, mean (SD)	61.7 (96.1)	79.1 (116)	51 (80.1)	<b>0.006</b>
Comorbid with other substance use disorder, n (%)	101 (22.5)	48 (28.2)	53 (19)	<b>0.023</b>
SDS (score), Mean (SD)	4 (2.5)	4.2 (2.6)	3.9 (2.5)	0.181
≥ 4 score	241 (53.7)	97 (57.1)	141 (51.6)	0.261
VAS for craving, Mean (SD)	1.4 (1.9)	2 (2.2)	1 (1.7)	<b>&lt;0.001</b>
Baseline urine positive for METH, n (%)	74 (16.5)	55 (32.4)	19 (6.8)	<b>&lt;0.001</b>
Time to first relapse (day), mean (SD)	217.5 (148.0)	66.8 (84.5)	309 (92.8)	<b>&lt;0.001</b>

Abbreviations: BDI: Beck Depression Inventory; BAI: Beck anxiety inventory; METH: methamphetamine; SDS: Severity of Dependence Scale; SWLS: Satisfaction with Life Scale

## 甲基安非他命緩起訴個案

**37.9%: 任一驗尿陽性**

**63.1%: 維持drug-free**

**94.4%: 男性**

**平均年齡35.3歲**

**13.2%已婚**

**46.9%: 高中或以下學歷**

**95%: 在職(全職或兼職)**

**將近兩成有中度至重度憂鬱問題**

**一半以上可能成癮**

**在未來一年有任一陽性：  
初次驗尿32.4%即陽性(vs  
6.8%)**

**Table 2** Univariate and multivariate Cox regression model to examine the associative factors with relapse of METH use in the one-year follow-up (N=449)

	Univariate model HR (95 % CI)	<i>p</i>	Multivariate model HR (95 % CI)	<i>p</i>
<b>Demographic factors</b>				
Age ≤ the median age 35 (vs. > 35)	1.03 (0.76-1.4)	0.833	0.93 (0.6-1.45)	0.764
Males (vs. females)	1.21 (0.6-2.46)	0.597	1.42 (0.57-3.55)	0.451
Marital status (vs. married)				
Unmarried	1.00 (0.63-1.57)	0.994	0.81 (0.41-1.58)	0.533
Others	1.27 (0.7-2.29)	0.432	1.13 (0.66-1.91)	0.660
Educational years less ≤ 12 (vs. > 12)	1.61 (1.18-2.18)	<b>0.002</b>	1.23 (0.84-1.82)	0.286
Employed (ref: unemployed)	0.66 (0.29-1.49)	0.316	0.64 (0.27-1.51)	0.313
History of other criminal records (vs. no history)	1.28 (0.9-1.83)	0.172	1.15 (0.73-1.80)	0.543
<b>Psychological symptoms factors</b>				
Moderate-to-severe anxiety (BDI scores ≥ 20 (vs. < 20))	1.82 (1.3-2.57)	<b>0.001</b>	1.36 (0.84-2.19)	0.210
Moderate-to-severe anxiety (BAI scores ≥ 16 (vs. < 16))	1.86 (1.23-2.8)	<b>0.003</b>	0.95 (0.54-1.69)	0.860
SWLS scores	0.97 (0.96-0.99)	<b>0.012</b>	1.00 (0.97-1.02)	0.732
<b>Substance use-related factors</b>				
Age of first METH use	0.98 (0.96-0.99)	<b>0.004</b>	1.00 (0.97-1.02)	0.700
Duration of METH use	1.002 (1.001-1.003)	<b>0.003</b>	1.002 (0.999-1.004)	0.134
Comorbid with other substance use disorder	1.45 (1.04-2.03)	<b>0.029</b>	1.12 (0.74-1.68)	0.597
SDS score ≥ 4 (vs. < 4)	1.18 (0.87-1.6)	0.279	0.85 (0.6-1.22)	0.381
VAS for craving	1.19 (1.12-1.27)	<b>&lt;0.001</b>	1.14 (1.06-1.24)	<b>0.001</b>
Baseline urine positive for METH (vs. urine negative)	4.17 (3-5.79)	<b>&lt;0.001</b>	3.85 (2.61-5.68)	<b>&lt;0.001</b>

**Abbreviations:** BDI: Beck Depression Inventory; BAI: Beck anxiety inventory; METH: methamphetamine; SDS: Severity of Dependence Scale; SWLS: Satisfaction with Life Scale

未來一年會復發使用甲基安非他命者：高渴求性，初次驗尿即陽性  
調整治療追蹤頻次？

# Training program for therapists

團

專業人員  
藥癮團體督導

108年4月至今，由  
羅時揚或李昭慧臨床  
心理師**每月一次**  
**團體督導**

李詠悅專科護理師  
定期團體督導

已進行12、6場次

教

晨間會議  
每週一、三、五

進行特殊個案討  
論及不同主題之  
讀書會

藥

藥癮專業人員  
繼續教育訓練

—藥癮治療與實務技巧  
（主講者：李昭慧臨床  
心理師）  
—辯證行為治療系列工  
作坊（馬偕團隊）  
—與合作機構合辦之演  
講座

已進行16場次

講

講師  
藥癮專業人員繼  
續教育訓練課程

108年09月25日：  
108年度第3次藥  
癮專業人員8小  
時訓練由本中心  
陳姝卉、辜浩源  
臨床心理師擔任  
講師



## 109年度專業人員教育訓練之規劃



## 原則四、藥癮治療、人權、尊嚴-1

# Principle 4: Drug Dependence Treatment, Human Rights, and Patient Dignity-1

- 沒有歧視: 不論是藥癮治療或其型式之治療
- 尊重自主與自決, 治療人員也具義務beneficence and non-maleficence
- 治療或照護的可近性: 不論是任何階段、有沒有動機、是否復發、或在獄中

- No discrimination: should apply to the treatment of drug dependence as other health care conditions.
- Right to autonomy and self determination: obligation for beneficence and non-maleficence on behalf of treating staff.
- Access to treatment and care: in all the stages of the disease, also for the patients not motivated or relapsing after treatment, as well as during detention periods in prison.

## 原則四、藥癮治療、人權、尊嚴-2

### Principle 4: Drug Dependence Treatment, Human Rights, and Patient Dignity-2

- 強制治療只發生在危機之時，時間長短應有法規依據。
- 施用與持有者，應考慮將治療作為監禁或罰緩的替代，雖然此仍帶有強制意味。個案可以拒絕治療，而選擇監禁與罰緩。
- 人權與隱私權：治療的提供並不完全賴於良好的配合度。

- Compulsory treatment should be mandated only in exceptional crisis situations, and periods of time as specified by the law.
- When the use and possession of drugs results in state imposed penal sanctions, the offer of treatment as an alternative to imprisonment or other penal sanction presents a choice to the patient/offender, and although it entails a degree of coercion to treatment, the patient is entitled to reject treatment and choose the penal sanction instead.
- The human rights and the privacy: the provision of medical treatment services is not dependent on compliance with addiction treatment

## 原則五、特殊族群-1

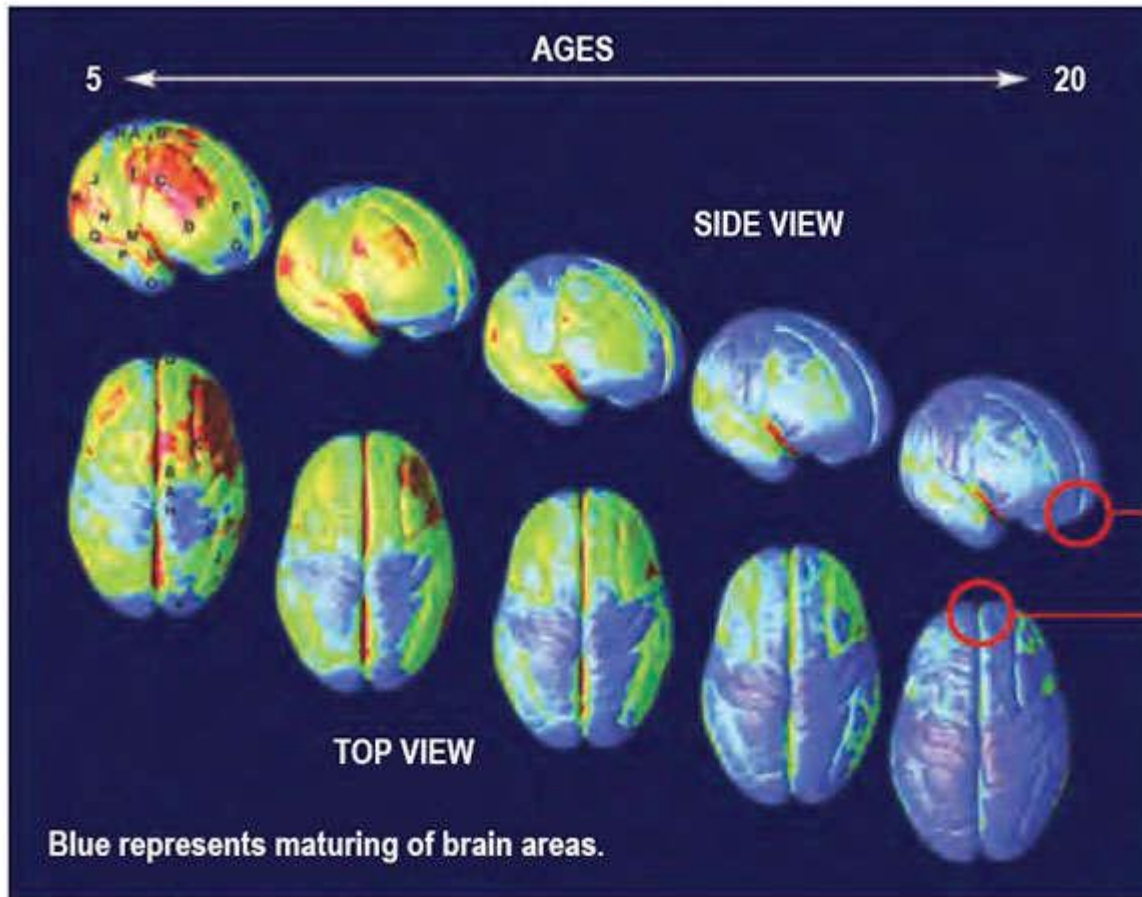
# PRINCIPLE 5: Targeting Special Subgroups and Conditions-1

- **青少年**：初期問題的個案若有機會接觸其他成癮性較為嚴重的個案可能會有不良後果。需要與家庭與學校合作；但和父母可考慮分開處理。
- **女性**：更容易被汙名化。
- **懷孕女性**：prenatal and breastfeeding
- **身體共病**：HBV, HCV, HIV, TB, and cirrhosis

- **Adolescents** : It may be counterproductive for young patients in early stages of drug use disorders to get in contact with people in more advanced stages of the disease through the treatment setting, and therefore, separate settings for adolescents and their parents can be considered. It will benefit from close cooperation with families and when appropriate, schools.
- **Women** : are heavily stigmatized,
- **Pregnant women** : prenatal and breastfeeding
- **Medical co-morbidities** : HBV, HCV, HIV, TB, and cirrhosis

# 青少年的腦部發展

- 油門(reward system)有勁，但煞車(prefrontal cortex)的一部車



- 大腦發育會持續至成年早期
- Prefrontal cortex: 判斷力、自控力，是最後成熟的區域。

4-21 y/o, n = 13, q2y f/u

Gogtay et al., PNAS 2004

# Outreach to **detention center** for adolescents

## 少觀所：篩檢、簡短介入及轉介治療

成癮概念  
團體衛教

每月一次  
每次兩場

簡介成癮概念：  
成癮是大腦功  
能失調

入所少年藥物濫用風  
險篩檢及簡短介入

以**CRAFT**量表作  
為篩檢工具  
高風險個案予  
簡短介入

出所後追  
團體合作

社團法人中華民國更  
生少年關懷協會合作

提供該機構內社區處  
遇少年中具藥物濫用  
問題個案的轉介服務

統整分析

統整衛教回饋及篩  
檢結果，分析入所  
少年成癮問題現況

## 原則五、特殊族群-2

# PRINCIPLE 5: Targeting Special Subgroups and Conditions-2

- 精神病共病：人格疾患、情緒疾患、精神病。
- 性工作者：為了取得藥物，感染風險、被暴力傷害、受社會排擠。
- 少數種族：語言、文化、宗教
- 邊緣/街友：無家可歸或被家人拒絕。和社福的合作。

- **psychiatric co-morbidities** : personality, affective and other psychiatric disorders
- **Sex-workers** : as a means to afford buying drugs ,risk of infections, victimization, violence, social exclusion.
- **Ethnic minorities** : language, cultural, religious differences
- **Marginalized/street people** : homeless or rejected by their families. social services in parallel with treatment services



# Principle 6 : Addiction treatment and criminal justice system-1

“一般而言, 藥癮應該被視為一個健康照護的議題, 並且藥癮者在可能的狀況下, 應該在健康照護體系中處理, 而不是犯罪”; “應提供治療作為入監的alternative”

研究顯示藥癮治療對於降低相關犯罪顯著有效“即使入監, 也該在獄中啟動治療, 並出獄後持續re-integration計畫”

- 司法→治療之轉介機制

“In general, drug use should be seen as a health care condition and drug users should be treated in the health care system rather than in the criminal justice system where possible.” “Interventions for drug dependent people in the criminal justice system should address treatment as an alternative to incarceration ”

“Research results indicate that drug dependence treatment is highly effective in reducing crime. Treatment and care as alternative to imprisonment or commenced in prison followed by support and social reintegration after release. ”

- Diversion schemes from criminal justice system into treatment.

## Principle 6 : Addiction treatment and criminal justice system-2

- 人權原則：在獄中也需接受照護(身體與心理)，並符合good clinical practice
- 出獄後在社區照護介入方案的延續性
- 不論是監禁或勞動服務在科學上不被認為是有效的治療

- Human rights principles : Drug dependent people in prison have the right to receive the health care and treatment(pharmacological and psychosocial), which should be initiated following good clinical practice
- Continuous care in the community : upon release is crucial to meaningfully reintegrate drug dependent offenders into the community.
- Neither detention nor forced labor have been recognized by science as treatment for drug use disorders

# Principle 7 : Community involvement, participation, and patient orientation-1

一個在服務提供上的合作型式，包括官方、非官方組織、社區領導者、宗教團體、以及家庭單位。

- 個案的積極參與：為自己的改變(康復)負起責任。
- **Community-oriented interventions**: 以支持的態度去型塑公眾意見與健康政策，以避免汙名化或社會邊緣化。去汙名化會改善個案治療的動機。

a more cooperative form of service delivery, for which the active involvement of governmental and nongovernmental organizations, community leaders, religious organizations, and families

- **Patient active involvement** : promote ownership and responsibility for change (recovery).
- **Community-oriented interventions**: promote supportive public opinions and health policy, reduce discrimination and social marginalization. De-stigmatization of affected individuals is substantial to improve accessibility to treatment.

個案的積極參與：為自己的改變(康復)負起責任。

- 找尋相關線索(高危險情境)-全力避免
- 強化拒絕技巧
- 規律生活作息
- 培養健康的休閒娛樂
- 提供知識和求援管道
- 情緒的覺察與管理
- 渴癮(craving)的處理



## Principle 7: Community involvement, participation, and patient orientation-2

- **Mainstreaming** : 將藥癮治療推展為主流治療，令更多個案願意治療，也讓社會大眾了解其必要性。
- **Linkages**: 將藥癮治療和醫院服務(急診、內外科、精神科)、社會服務、職業訓練結合。
- **NGOs**: 在提供治療與復健/重建(reintegration)有重要角色。

- **Mainstreaming** : enables the treatment of a larger number of patients ,
- **Linkages**: between drug dependence treatment services and hospital services(emergency rooms, infectious diseases and internal medicine departments), specialized social services, vocational training and employment.
- **NGOs**: can be particularly helpful in the process of scaling up treatment and facilitation of rehabilitation and reintegration.

## 原則八、藥癮治療：臨床服務面向-1

# Principle 8: Clinical Governance of Drug Dependence Treatment Services-1

- 服務方針與流程：反映治療哲學、目的、方向、療法、對象、以及方法。
- 治療療程說明：評估、照護計畫、與提供。
- 治療人員需經足夠的訓練：提供進階的訓練以維持高水準醫療。

- Service policy and protocols : clarify the treatment programme's philosophy, aims and objectives, strategic management, therapeutic approach, target population and programmes and procedures.
- Treatment protocols : including details concerning procedures for assessment, care planning and provision of treatment.
- Qualified staff: appropriate continuing education are needed for the delivery of high quality services.

## 二級毒品緩起訴個案治療之哲學 (The treatment program's philosophy)

- 只有極少數的個案在治療初期就會呈現效果 (Arria et al, Sbust Use Misuse, 2012)(Only very few patients have favorable treatment effect in the initial phase of treatment)
- 治療應有階段，明確區別為急性期、中期、與持續期(ML, Health Policy; 2008Arria et al, Sbust Use Misuse, 2012)(Staging for treatment is important and should be clearly distinguished based on acute, stabilization, and maintenance phases)
- 監測應為臨床介入的一環，作為檢視進步或成效的標準( Dennis & Scott, Addiction Sci Clin Pract, 2007)(Monitoring should be integrated into the treatment for progress or effect examination)
- 不能只有討論毒品使用問題，而是由人生影響之角度(Life perspective, not limiting to drug use problem, should be prioritized in the management)



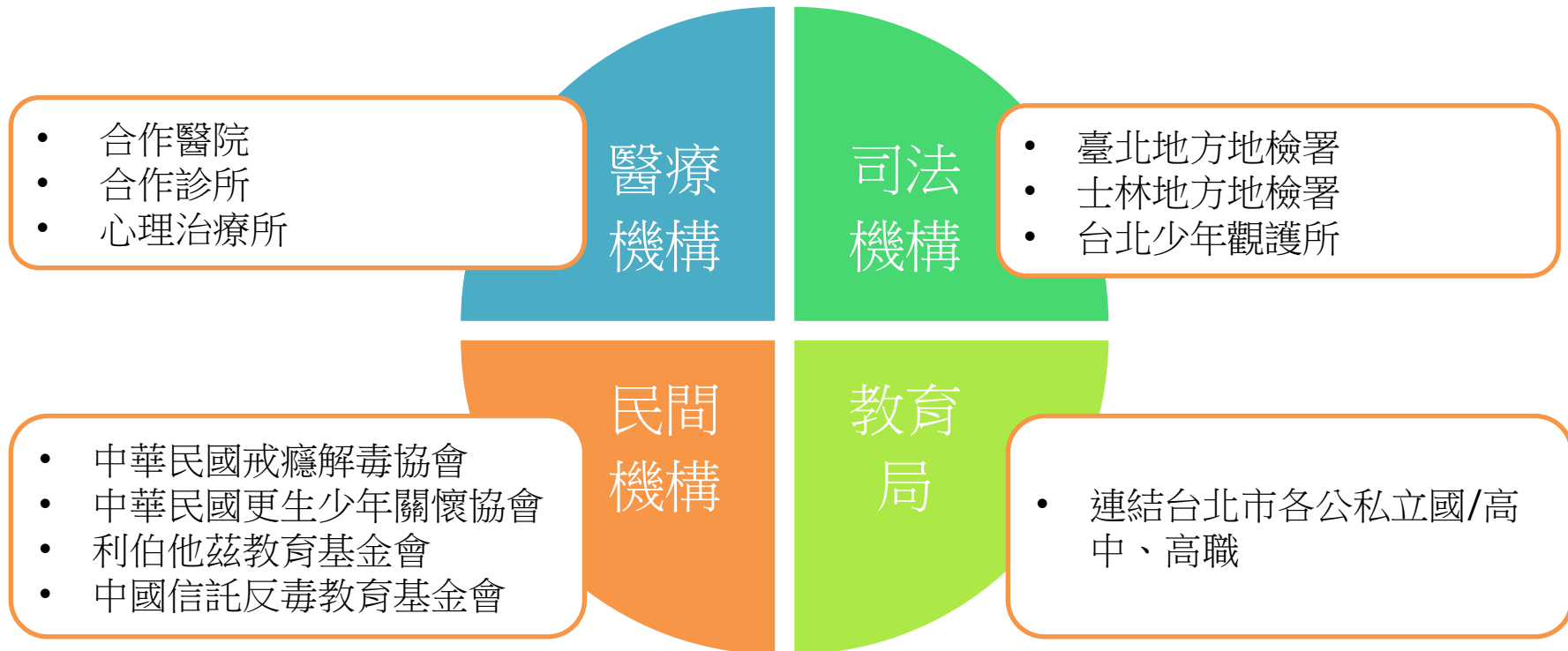
## 原則八、藥癮治療：臨床服務面向-2

# Principle 8: Clinical Governance of Drug Dependence Treatment Services-2

- 監督/評鑑：避免工作人員過勞、設定合理的教育/學分標準、大學/研究所/學後的學程，結合電子資源以促進專業性的持續。
- 預算的延續(不中斷)：專業的培植與訓練應含在其中。
- 各治療專業的合作：基層診所、內外科、精神科、社福體系

- **Supervision** : prevent burnout among staff members, standardize and certify the qualifications , undergraduate/ graduate/ postgraduate programs teaching courses with e-learning modules can enhance further training for treatment professionals
- **Financial resources(Sustainable)** : costs for staff education and for evaluation should be included.
- **Communication structures and networking** : general practitioners, specialists (e.g. psychiatrists, infection specialists, etc.) and social services

# 各治療專業的合作



## 原則八、藥癮治療：臨床服務面向-3

### Principle 8: Clinical Governance of Drug Dependence Treatment Services-3

- **評估機制**：除了個案追蹤資料之外，也需收集個案的迴饋(保密性)，探討服務品質的因子，
- **更新服務內容**：以隨時因應時代變化、科學發展，並且將個案的迴饋考慮在內而修正服務內容。

- **Monitoring systems**：除了個案追蹤資料之外， provide evaluation and feedback(confidentiality) on service and system performance for quality assurance
- **Updating services**：以隨時因應時代變化、科學發展， Services will also need to build on feed-back from patients, as well on as monitoring and evaluation results with a view to improving their quality and performance

## 原則九、治療系統：策略發展與服務整合-1

### Principle 9: Treatment Systems: Policy Development, Strategic Planning and Coordination of Services-1

- 建立一個treatment policy：由政府相關單位製定基本方針，evidence-based, cost-effectiveness, 整合多專業，衛政、社福、民政、勞工/職業、司法。
  - 預防策略結合：特別是高風險族群，連結預防與治療。
  - 情境評估：了解什麼個案會尋求治療、藥物使用之型態、在治療中如何改變、不同治療型態對不同個案之適用性。
- Formulation of a treatment policy : by relevant authorities in governments. evidence-based, cost-effective, multisectoral, including health, welfare, labour, criminal justice, and civil society
  - Link to prevention : especially in high-risk group. Linkages between prevention interventions and treatment services
  - Situation assessment : understanding the types of people who may seek help, patterns of drug use and how they change over time in any one population, and the preferences for different types of treatment

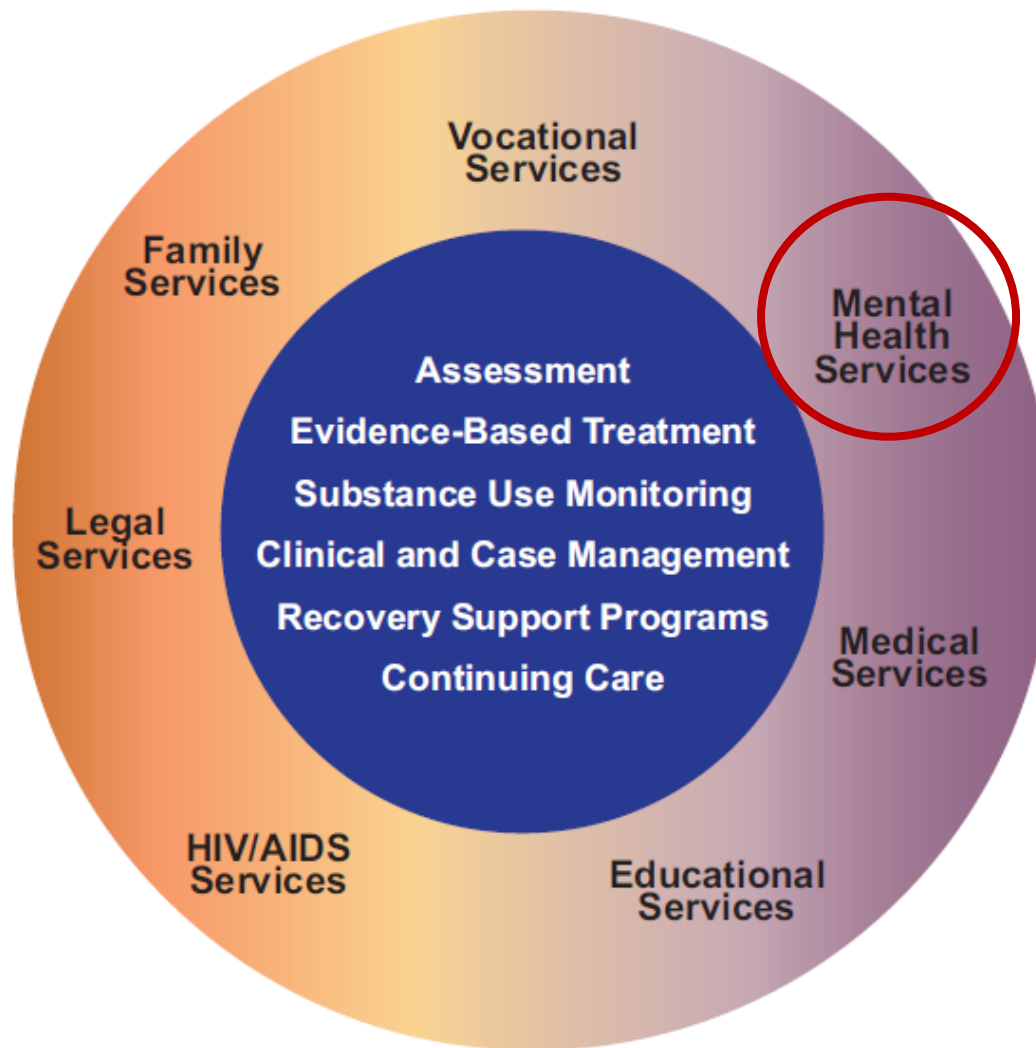
## 原則九、治療系統：策略發展與服務整合-2

### Principle 9: Treatment Systems: Policy Development, Strategic Planning and Coordination of Services-2

- 協調與平衡各系統投入資源。
- 照護之持續性
- 多專業取向
- 建立足夠的治療人力
- 品質確認、監測與評估：不只正效應，也要評估負效應。

- Coordination between different sectors and appropriate balance between specialised services and primary care
- Continuum of care.
- Multidisciplinary approach
- Capacity building.
- Quality assurance, monitoring and evaluation

# Components of Comprehensive Drug Abuse Treatment



心理衛生  
醫療服務  
教育  
HIV/AIDS服務  
法律面向  
家庭介入  
職業功能

*The best treatment programs provide a combination of therapies and other services to meet the needs of the individual patient.*





# Slaying the Dragon

一棒接一棒傳承，一點又一滴努力



特別感謝  
衛生福利部心口司





# 成癮治療的困境

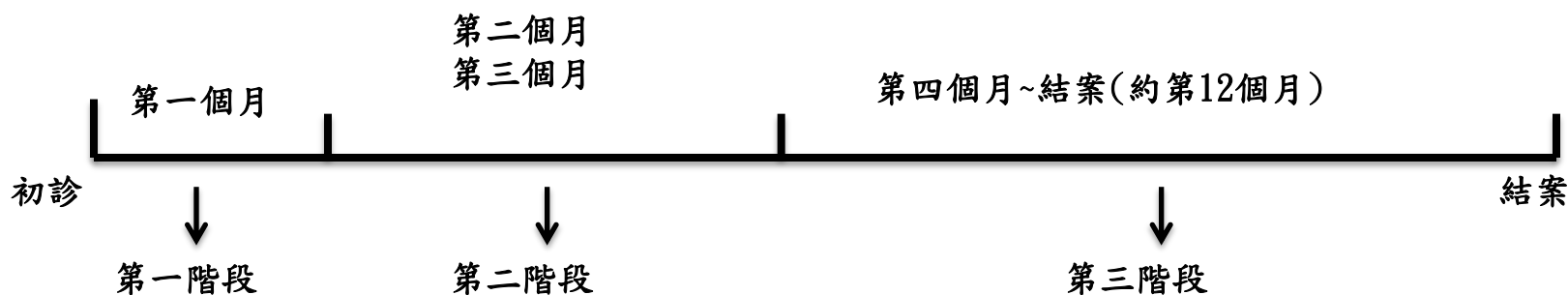
## (The dilemma of addiction treatment)

- 個案動機不足
  - 大於70%以上不覺得自己有成癮問題或需要改變
  - 只有小於7%的成癮個案會尋求治療 (Hason, et al., 2007)
- 缺乏成癮的**疾病概念**
- 涉及不同法律議題：家庭暴力、性侵害、酒駕、公共安全，**醫療的限度易被混淆**。
- 錯誤認知：復發= 治療/介入失敗
- Medical model被窄化成藥物模式
- 長期成癮治療機構的不足
  - 中途之家或復健治療機構

# 二級毒品緩起訴個案治療

- 只有極少數的個案在治療初期就會呈現效果 (Arria et al, Sbust Use Misuse, 2012)
- 治療應有階段，明確區別為急性期、中期、與持續期 (ML, Health Policy; 2008Arria et al, Sbust Use Misuse, 2012)
- 監測應為臨床介入的一環，作為檢視進步或成效的標準 (Dennis & Scott, Addiction Sci Clin Pract, 2007)
- 不能只有討論毒品使用問題，而是由人生影響之角度

# 北檢轉介二級毒品緩起訴門診追蹤流程



- 第一階：每週回診一次，共四次
- 第二階：每兩週回診一次，共四次
- 第三階：每四週回診一次，直至結案

資料來源：陳亮好醫師

Variable	N=1227	
	Mean	SD
Age of the first clinic visit	32.9	9.1
Sex	N	%
Male	1,073	87.3
Female	155	12.7
Education level		
Graduate school	62	5
College	439	35.7
Senior high school	486	39.6
Junior high school	202	16.5
Elementary school	24	2
Unspecified	14	1.1
Marry status		
Unmarried	917	74.7
Occupation		
Professionals/Business owners	264	21.5
Administration/ Staff/Clerk	499	40.7
Technician	302	24.6
Others	78	6.4
Unemployment	84	6.8

- 低求助率

- 只有**7%**的藥癮個案會主動尋求協助 (Caldeira et al., J Sub Abuse Treat, 2009)

- 高復發率

- 約有**60%**的個案在介入後的**6個月**內會復發使用 (Hunt et al., 1971; Hubbard et al., 1989; Finney et al., 1996; Simpson et al., 1997; Anglin et al., 1997; McKay et al., 1999, 2004)

司法後盾之重要性

復發之意義：

神經生理病變  
調整介入策略

# 反社會人格

- 大約40%到50% 的藥癮個案具有反社會人格 (Messina, Wish, & Nemes, 1999; Haase, 2009).
  - 許多治療的研究多半會去除反社會人格的參與者
  - 根據美國國家衛生研究院藥物濫用研究所，藥癮者合併反社會人格者，最佳的處遇/介入是由“a court of law”來指揮
  - 醫療之最大限制
  - 分流之重要性：初期辨識不易，有賴時間之觀察，更賴處理之彈性與立即性

# 分階制度

- 治療期間依個案之停止非法用藥的使用狀態分為三階段：
  - **階段一**：密集監測治療初期，每週接受看診評估以及監測檢驗, 持續1個月呈現情緒穩定、態度合作、動機良好、精神狀態正常、沒有使用非法藥物，方可晉升第二階 (4 regular visits and all drug free) 。
  - **階段二**：密集監測治療中期，在本階需隔週看診評估以及監測檢驗，持續共2個月呈現情緒穩定、態度合作、動機良好、精神狀態正常、沒有使用非法藥物，方可晉升第三階 (4 regular visits and all drug free) 。
  - **階段三**：一般監測期及追蹤期，每月看診評估以及監測檢驗，情緒穩定、態度合作、動機良好、精神狀態正常、沒有使用非法藥物，則維本階至治療結束。
- 切勿將醫療 = 驗尿行為



# 分階制度

- 治療期間依個案之停止非法用藥的使用狀態分為三階段：
  - **階段一**：密集監測治療初期，每週接受看診評估以及監測檢驗, 持續1個月呈現情緒穩定、態度合作、動機良好、精神狀態正常、沒有使用非法藥物，方可晉升第二階 (4 regular visits and all drug free) 。
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  - **階段三**：一般監測期及追蹤期，每月看診評估以及監測檢驗，情緒穩定、態度合作、動機良好、精神狀態正常、沒有使用非法藥物，則維本階至治療結束。
- 切勿將醫療 = 驗尿行為

# 降階標準

- 各階段所要求的是個案能達到停止使用非法藥物行為（持續監測通過）才能晉階情緒不穩定
  - 態度不合作
    - 診間出現威脅、恫嚇、攻擊之言語或行為
    - 連續兩次(含)未回診評估，或有兩次(含)出現此情形
  - 動機低落
  - 精神狀態異常
  - 使用非法藥物之相關證據：包括看診時之表現、親友報告、尿液檢查異常等