

綜合肌肉骨骼健康評估及藥劑師藥物復審方案

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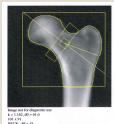
PROJECT INCENTIVE 項目動機

- · Relationship of illicit drug use with musculoskeletal health is unclear
- 非法藥物使用與肌肉骨骼健康的關係尚不清楚
- Heroin, methadone, diacetylmorphine, and methylamphetamine were reported to be associated with reduced bone mineral density (BMD)
- 據報導,海洛因、美沙酮、二乙酰嗎啡和甲基苯丙胺與骨礦物質密度 (BMD) 降低有關
- No research studies have been conducted to investigate the relationship of illicit drug use with muscle health
- 尚未進行任何研究來調查非法藥物使用與肌肉健康的關係

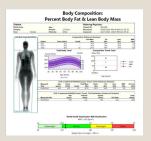
PROJECT OBJECTIVES 項目目標

• To evaluate the relationship of illicit drug use with musculoskeletal health 評估非法藥物使用與肌肉骨骼健康的關係









PROJECT METHODS & WORKFLOW 項目方法與流程

Substance abusers
and rehabilitees were
recruited from NGO, community partners
and
QMH substance abuse clinic during Aug
2018 to April 2021

2018年8月至2021年4月期間, 從相關非政府組織、社區合作伙伴及瑪麗醫院物 質濫用診療所 招募吸毒人士及吸毒康復者 Structured questionnaires

詳細問卷

DXA, BIA, grip strength, gait speed and peak flow measurement

肌肉及骨密度臨床評估

SUBJECT CHARACTERISTICS 研究對象的背景

		ontro		Illicit d (N=	rug =10		P	
Age (years)	57.99	±	11.85	49.67	±	14.28	< 0.001	
Female (%)	1063		(79.0)	14		(13.0)	< 0.001	
BMI	23.28	\pm	3.64	23.73	\pm	4.17	0.218	
Smoking status (%)							< 0.001	
non-smoker	1265		(94.1)	17		(15.7)		
ex-smoker	48		(3.6)	16		(14.8)		
current-smoker	32		(2.4)	75		(69.4)		
Drinking status (%)							< 0.001	
non-drinker	881		(65.5)	21		(19.4)		
ex-drinker	141		(10.5)	35		(32.4)		
current-drinker	323		(24.0)	52		(48.1)		
Physical activity (%)							0.002	
Inactive	308		(22.9)	40		(37.0)		
Active	203		(15.1)	8		(7.4)		
Minimally active	834		(62.0)	60		(55.6)		

SUBJECT CHARACTERISTICS 研究對象的背景

Category	Drug	Count	Percentage
Hallucinogens	Cannabis / Marijuana	8	7.4
Depressants	Amyl nitrite	1	0.9
Depressants	Gamma Hydroxybutyric Acid	1	0.9
Narcotics Analgesics	Heroin	53	49.1
Narcotics Analgesics	Methadone	3	2.8
Narcotics Analgesics	Opiates / Opium	1	0.9
Tranquillizers	Midazolam	2	1.9
Stimulants	Cocaine	1	0.9
Stimulants	Methamphetamine	19	17.6
Stimulants	Methylenedioxymethamphetamine	2	1.9
Others	Ketamine	5	4.6
Others	Others	4	3.7
Others	Unknown	8	7.4

RESULTS 結果

108 vs 1345			Model 1	l			Model 2		
		Mean	95% CI		. D	Mean	95% CI		D
		difference	lower	upper	Г	difference	lower	upper	Г
	BMD (g/cm ²) at								
	Lumbar spine	-0.037	-0.070	-0.005	0.023	-0.046	-0.089	-0.004	0.033
	Femoral neck	-0.041	-0.064	-0.018	< 0.001	-0.047	-0.078	-0.017	0.002
	Total hip	-0.045	-0.069	-0.022	< 0.001	-0.05	-0.081	-0.019	0.001

Drug user categories	Lumbar spine	Femoral neck	Total hip
Hallucinogens			
Depressants			
Narcotics Analgesics			
Tranquillizers		X	X
Stimulants	X	X	X
Others or unknown		X	X
Tranquillizers Stimulants	x	x	X

RESULTS 結果

Age and sex-matched cohort 108 vs 108

BMD (g/cm2) at	Mean	95%	. р	
BIVID (g/cili2) at	difference	Lower	Upper	Р
Lumbar Spine	-0.066	-0.126	-0.007	0.029
Femoral neck	-0.066	-0.113	-0.02	0.006
Total hip	-0.05	-0.099	-0.001	0.046

RESULTS 結果

	Model 1					Model 2							
	Mean	95% CI		Mean 95% CI		Mean 95% CI		an 95% CI Mear		Mean	95% CI		— р
	difference	lower	upper	Г	difference	lower	upper	Г					
ALM (kg)	-0.424	-0.817	-0.032	0.034	-0.656	-1.172	-0.139	0.013					
Gait speed (m/s)	-0.094	-0.139	-0.049	< 0.001	-0.107	-0.166	-0.047	< 0.001					
Handgrip strength (kg)	-0.438	-1.638	0.763	0.475	-1.852	-3.428	-0.276	0.021					
PEF (litres per minute)	-82.91	-98.26	-67.56	< 0.001	-59.24	-79.38	-39.09	< 0.001					

Drug user categories	ALM	Gait speed	Grip strength	PEF
Hallucinogens	X		X	X
Depressants			X	
Narcotics Analgesics	X			X
Tranquillizers				
Stimulants		X	X	X
Others or unknown			X	X



結果肌肉質量, 手握力,步速, 峰值呼氣流量

RESULTS 結果

當前用家



骨密度,肌肉質量, 手握力,步速, 峰值呼氣流量顯著下降

過去的用戶



骨密度,肌肉質量, 手握力,步速, 峰值呼氣流量 沒有顯著下降

CONCLUSION 總結

- 非法藥物使用者骨密度,肌肉質量,手握力,步速,峰值呼氣流量顯著下降
- 顯著下降主要發生在當前非法藥物使用者,並非在已停止非法藥物使用的人群身上





IMPLICATION & SIGNIFICANCE 研究啟示及意義

- 公眾教育,非法藥物使用對肌肉骨骼健康有顯著負面影響
- 醫療保健專業人員要留意非法藥物使用者的肌肉骨骼健康
- 戒毒可能使肌肉骨骼變回正常

LIMITATION 研究限制

- The number of participants in each illicit drug group was small, thus the null association could be due to insufficient power.
- The small sample size in each illicit drug group also made the analysis of dose and length of drug use on musculoskeletal health infeasible.
- The number of female drug users included was small, thus sex-specific analysis was not conducted due to limited power.
- Blood biomarkers of illicit drug use was not evaluated.

- 樣本數目小
- 未評估非法藥物使用的血液 生物標誌物



DEPARTMENT OF PHARMACOLOGY AND PHARMACY

吸毒及戒毒康復人士的藥劑師藥物復審先導方案

A Pilot Pharmacist-led Medication Reconciliation and Medication Review Service for Psychotropic Substance Abusers and Rehabilitees in Hong Kong

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30 Dec 2021



PROJECT INCENTIVE 項目動機

Psychotropic substance abuser & rehabilitee

吸毒及戒毒復康者

(Insight issue 病識感問





Polypharmacy 多重用藥

- Multiple drugs of abuse 多重濫藥
- Prescription drugs 處方藥物
- Over-the-counter drugs 非處方藥物
- Alcohols 酒精
- Cigarettes 煙草



Drug-related and compliance problems 藥物相關及依從性問題

(Drugs of abuse also increase risks of psychiatric disorder and other physical morbidities 濫藥亦會增加患上精神病及

监樂小曾增加忠上楠伊萨 其他疾病的風險**)**

Adverse drug reactions 藥物不良反應

(both predictable or unpredictable 包括可預見及未能預見的)





Drug interactions 藥物相互作用

(drug-drug, drug-food, drug-herb 藥物-藥物/藥物-食物/藥物-草藥)

PROJECT INCENTIVE 項目動機

Previous studies demonstrated that pharmacist-led medication review and counselling for psychiatric inpatient could enhance medication appropriateness & compliance, and reduce DRPs 有研究指出,為精神病住院患者進行由藥劑師主理的藥物復審及輔導,結果病人用藥方面更恰當病人更加依從指示服藥,而藥物相關的問題亦有所減少。



Pharmacists at community level may help identifying, preventing or tackling potential DRPs, and as a point of intervention to encourage quitting substance abuse 藥劑師可於社區層面找出、預防或解決藥物相關的潛在問題,及作為其中一個介入點、鼓勵戒毒。

PROJECT INCENTIVE 項目動機

Medication Reconciliation, as defined by American Society of Health-System Pharmacists (ASHP), is "the comprehensive evaluation of a patient's medication regimen any time there is a change in therapy in an effort to avoid medication errors or drug interactions, as well as to observe compliance and adherence patterns" 美國衛生系統藥劑師協會就藥物整合定義為「為病人於任何療程改變時的全面用藥評估,以避免醫療失誤及出現藥物相互作用,同時監測病人用藥的依從性」



Vidence Based

• Pharmacists are assisting in smoking cessation, alcoholism reduction but very few in drug abuse quitting. This might be attributed to insufficient education, exposure and evidence on effectiveness. 現時藥劑師在協助戒煙、戒酒上有一定角色,但戒毒方面就相對罕見。這可能與培訓不足、經驗不足及文獻例證不足有關

PROJECT OBJECTIVES 項目目標

- I. Identify and resolve **drug-related problems** among the substance users in Hong Kong 為香港的吸毒及戒毒復康人士找出並處理與藥物相關的問題
- Contribute evidence to the literature on the roles of pharmacist and effectiveness of pharmacist intervention in reducing substance use and enhancing medication safety for the drug abusers and rehabilitees

為藥劑師的角色及其工作成效,包括減少吸毒人士**吸**毒及提升他們的用藥安全提供例證

PROJECT METHODS & WORKFLOW 項目方法與流程

Substance abusers and rehabilitees were recruited from NGO, community partners and OMH substance abuse clinic during Aug 2018 to April 2021

2018年8月至2021年4月期間, 從相關非政府組織、社區合作伙 伴及瑪麗醫院物質濫用診療所 招募吸毒人士及吸毒康復者

Medication reconciliation and counselling service was provided by pharmacist

> 藥劑師提供藥物整合 及藥物輔導服務







BDF Questionnaires 禁毒基金問卷

Follow-up phone calls were made at 3 months post-MR

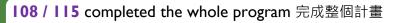
藥物整合的3個月後 透過電話跟進個案



PROJECT METHODS & WORKFLOW 項目方法與流程

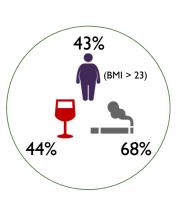
Primary Outcome Secondary Outcome 主要結果 次要結果 Medication compliance • Identified DRPs & completed intervention 藥物依從性 發現到的藥物相關問題及完成的介入工作 • Frequency of drugs of abuse 濫藥頻率 Drug-related and therapeutic-related questions raised by subjects Motivation to change 參與者問及的藥物或治療相關的問題 改變動機

SUBJECT CHARACTERISTICS 研究對象的背景









RESULTS 結果

Top FIVE Comorbidities (n = 108)

首5項最常見的共病症

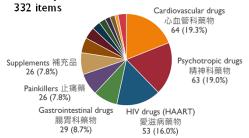
Comorbidities	Number (%)
Psychiatric Disorders 精神病	57 (52.8%)
Cardiovascular Diseases 心血管病	45 (41.7%)
Pain Disorders 痛症	27 (25.0%)
Viral Hepatitis (B/C) 乙/丙型肝炎	26 (24.1%)
GI Disorders 陽胃病	24 (22.2%)
HIV 愛滋病	15 (13.9%)



Polypharmacy 多重用藥 (>5) 46 subjects (42.6%)

Over-the-counter Medications 非處方藥物 82 items

Prescription Medications 處方藥物



RESULTS 結果

Active substances of abuse over past 3 months (by 31 subjects) 研究進行時過去3個月仍有吸服的毒品 (31名當時仍吸毒者)

Substance of Abuse	Number (%)
Others 其他	28 (31.1%)
Stimulants 興奮劑	26 (28.9%)
Narcotic analgesics 麻醉藥	13 (14.4%)
Depressants 鎮抑劑	12 (13.3%)
Tranquilizers 鎮靜劑	6 (6.7%)
Hallucinogens 迷幻藥	5 (5.6%)
Total 總計	90

Examples of illicit drugs used 吸服毒品的例子

Category	Drug
Hallucinogens	Cannabis / Marijuana
Donwossants	Amyl nitrite
Depressants	Gamma Hydroxybutyric Acid
Narcotics	Heroin
Analgesics	Methadone
Allaigesics	Opioids
Tranquillizers	Midazolam
	Cocaine
Stimulants	Methamphetamine
	Methylenedioxymethamphetamine
Others	Ketamine

PRIMARY OUTCOME 主要結果

A summary change in scores of questionnaires before and after medication reconciliation & review (MR)

Questionnaire	Outcome	Best score	Pre-MR mean (SD)	Post-MR mean (SD)	Change (SD)	One-tail paired t-test p-value	No. of subjects
SEAMS	medication compliance 藥物依從性	39	29.4 (6.5)	32.7 (5.9)	+ 3.4 (1.5)	< 0.0001	108
BDF Questionnaire Set 6	drug use frequency 吸毒頻率	0	65.1 (100.8)	45.8 (94.3)	- 19.3 (27.8)	0.0002	32^
BDF Questionnaire Set 13 (Contemplation Ladder 思動階梯)	motivation to change 改變動機	10	7.6 (3.1)	8.6 (2.4)	+ 1.0 (1.7)	< 0.0001	108

[^] only included active drug users before MR activity.

Identified DRPs & completed intervention 發現到的藥物相關問題及完成的介入工作

Adverse drug event 藥物不良反應

Problem 問題	Count	(%)
P1. Effectiveness 藥物成效	121	(75.6)
P1.1 No effect of drug treatment 藥物沒有療效	6	(3.8)
P1.2 Effect of drug treatment not optimal 藥物未達最好療效	71	(44.4)
P1.3 Untreated symptoms or indication 未有作出治療的徵狀或病症	44	(27.5)
P2. Safety 藥物安全	32	(20)
P2.1 Adverse drug event (possibly) occurring (可能)出現藥物不良反應	32	(20)
P3. Others 其他	7	(4.4)
P3.2 Unnecessary drug-treatment 不必要的藥物治療	3	(1.9)

Total 160

SECONDARY OUTCOME 次要結果

Identified DRPs & completed intervention 發現到的藥物相關問題及完成的介入工作

Identified DK	rs & completed intervention 较况到的樂物伯蘭问起及无风的月	ハエロ	-
	Cause 原因	Count	(%)
Missis = two stresses	C1. Drug selection 藥物選擇	49	(30.6)
Missing treatment 欠缺適當藥物治療	C1.6 No drug treatment in spite of existing indication 沒有得到藥物治療現有的病症	34	(21.3)
八叭起鱼来的归凉			
	C7. Patient related 病人方面	47	(29.4)
Noncompliance	C7.1 Patient uses/takes less drug than prescribed or does not take the drug at all 病人使/服用少於或沒有使/服用處方所指示的藥物	27	(16.9)
Noncompliance 不依從指示用藥	C7.2 Patient uses/takes more drug than prescribed 病人使/服用多於處方指示的藥物	6	(3.8)
	C7.4 Patient uses unnecessary drug 病人使用不必要的藥物	6	(3.8)
	C7.5 Patient takes food that interacts 病人所吃的食物與藥物有相互作用	1	(0.6)
	C7.6 Patient stores drug inappropriately 病人不當地存放藥物	3	(1.9)
	C7.7 Inappropriate timing or dosing intervals 病人於不當的時間使用藥物	3	(1.9)
	C8. Others 其他	48	(30.0)
	Tota	160	

Identified DRPs & completed intervention 發現到的藥物相關問題及完成的介入工作

Pharmacist Intervention						
藥劑師介入	Count	(%)	Problem Status 問題狀況	Count	(%)	_
I2. At patient level 病人層面	159	(99.4)	O0.1 Problem status unknown 問題狀況未明	7	(4.4)	
12.1 Patient (drug) counselling 向病人作藥物輔導	155	(96.8)	O1.1 Problem totally solved 問題完全解決 O2.1 Problem partially solved	47	(29.4)	47.5%
I2.2 Written information provided (only) (只)提供書面資料	4	(2 E)	問題部分解決	29	(18.1)	
(八)延 (八)	1	(2.5) (0.6)	O3.1 Problem not solved, lack of cooperation of patient 問題未解決·因病人未有配合	67	(41.9)	
I3.5 Drug stopped 停藥	1	(0.6)	O3.4 No need or no possibility to solve 不用或不能解決	10	(6.3)	
Accepted by 75.6% subjects	160		Total	160		
75.6% 參與者接受建議	1:1:1:	+1.		1. [.]	1.	1.1.

SECONDARY OUTCOME 次要結果

Drug-/therapeutic-related questions raised 參與者問及的藥物或治療相關的問題

Brag /cherapeutic-related q	acstrolls rais	eu 多兴有问及的采物以冶凉伯丽的问题
Question Categories	Frequency	Why did I wait for a long time until ART was prescribed?
Diagnosis and Prevention	8 <	What's CD4+? How to count?
Disease Information	29	Is HIV Vaccine available now? What is the purpose for collecting urine and saliva samples?
Drug Information	39	
Use of medications	17	
Use of supplements	9	 Wonder if my chronic pain is related to HIV, medications, my histo
Use of drug of abuse	2	of drug use and smoking?"
Weight management / dietary advice	П	Are there ways to make the doctors prescribe with DAAs?
Adverse Drug Effects	26	Besides, INF/Ribavirin, any other drugs can treat my hep C?
ADR profile of medications	21	How long will it take my liver to recover?
ADR presentation & management	4	What can increase my bone mineral density?
Adverse effects of drug of abuse	I	What are the signs and symptoms of liver problem?
Drug Interaction	9	
Tot	al: III	

Drug-/therapeutic-related questions raised 參與者問及的藥物或治療相關的問題

Question Categories		Frequenc
Diagnosis and Prevention		8
Disease Information		29
Drug Information		39
Use of medications		17 4
Use of supplements		9
Use of drug of abuse		2
Weight management / dietary advice		П
Adverse Drug Effects		26
ADR profile of medications		21
ADR presentation & management		4
Adverse effects of drug of abuse		I
Drug Interaction		9
	Total:	111

- Can steroids be used for pain?
- I have problem with concentration and discussed with psychiatrist.
 He said treatment does only a little help, since I am grown up.
- Could I change Olanzapine to other drug?
- How can I get off my depression medications?
- How can I half the pill?
- Is antioxidant supplement good for my body condition? I am especially concerned about my appearance (e.g. acne)?
- Can I know more about omega-3 FA, Ca & vitamin D supplements?

SECONDARY OUTCOME 次要結果

Drug-/therapeutic-related questions raised 參與者問及的藥物或治療相關的問題

Question Categories	Frequency	
Diagnosis and Prevention	8	
Disease Information	29	Can weed alleviate my headache? How to facilitate illicit drug excretion?
Drug Information	39	<u> </u>
Use of medications	17 //	
Use of supplements	9 /	What kind of food contains vitamin K?
Use of drug of abuse	2 / _	
Weight management / dietary advice	11<	What type of diet can help reduce weight?
		What is my ideal body weight?
Adverse Drug Effects	26	What is the safe limit of alcohol consumption?
ADR profile of medications	21	Why am I still overweight despite I don't eat much?
ADR presentation & management	4	Should I use milk formula to increase Ca intake?
Adverse effects of drug of abuse	I	Should I use milk formula to mercuse ou make.
Drug Interaction	9	
Tot	al: III	
	1/2 / 1/3 / 1/2	

Drug-/therapeutic-related questions raised 參與者問及的藥物或治療相關的問題

·	•	
Question Categories		Frequency
Diagnosis and Prevention		8
Disease Information		29
Drug Information		39
Use of medications		17
Use of supplements		9 /
Use of drug of abuse		2 //
Weight management / dietary advice		11 //
		//
Adverse Drug Effects		26 /
ADR profile of medications		21 /
ADR presentation & management		4
Adverse effects of drug of abuse		
Drug Interaction		9
	Total:	111
		THE RESERVE TO SHARE THE PARTY OF THE PARTY

- Will pain medication damage my liver and kidney?
- Does SSRI damage the brain?
- Can you explain more on the side effects of Hepatitis C treatment?
- Will I be addicted to the psychiatric meds prescribed?
- Do antihypertensive drugs cause sexual dysfunction?
- I am afraid of antibiotic resistance problem, because I take it 3-4 times per year...
- · Interested to know more about serotonin syndrome
- Is chocolate helpful in resolving hypoglycaemic attack?
- Is the damage of ketamine to bladder reversible?

SECONDARY OUTCOME 次要結果

Drug-/therapeutic-related questions raised 參與者問及的藥物或治療相關的問題

Question Categories		requency
Diagnosis and Prevention		8
Disease Information		29
Drug Information		39
Use of medications		17
Use of supplements		9
Use of drug of abuse		2
Weight management / dietary advice		П
-		
Adverse Drug Effects		26
ADR profile of medications		21 /
ADR presentation & management		4 /
Adverse effects of drug of abuse		1 //
-		1/
Drug Interaction		9 "
	Total:	111

- What is timeframe and symptoms for interaction between CF & OTC medications?
- Can I take antibiotics with concurrent medications?
- How grapefruit juice and other food substances cause drug interactions?
- · How does alcohol affect my medications?
- Will there be problems if I take glucosamine + chondroitin + MSM with concurrent medications?
- If bodybuilding powder drink contain calcium that would interfere with HIV medications?
- Will Ice and Weed antagonize each other effect?
- Can medication take with tea together?
- Can HIV meds take with stomach meds and multivitamin?

CONCLUSION 總結

- Statistically significant improvement in the 統計學上顯著地改善
 - (I) confidence to take medication appropriately 正確用藥的信心
 - (2) reduction of drug use frequency 減少吸毒的頻率
 - (3) motivation to quit drug use and maintain quitting 戒毒的動機及維持不吸毒



rts

AA

角角 96.9%

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subjects

DRPs

counselling accepted

75.6% accepted

47.5%

resolved questions

IMPLICATION & SIGNIFICANCE 研究啟示及意義

- Establish evidence on the roles of pharmacist in providing intervention in
 - (I) reducing substance use and
 - (2) enhancing medication safety

for the drug abusers and rehabilitees

- 憑藉介入工作提供實證,確立藥劑師的角色及工作,在吸毒者及戒毒復康者中
 - (1) 減少他們吸毒,及
 - (2) 提升他們用藥安全

LIMITATION 研究限制

Small sample size

(difficult recruitment due to pandemic

- → only 25% subjects reported as still active drug users before MR)
- Self-report bias
- Selection bias (NGO referral)
- Effect of pharmacist intervention on longer duration is unknown (e.g. beyond the follow-up at 3rd month)

• 樣本數目小

(因疫症而增加招募參加者的難度· 只有25%的參與者於藥物復審前仍 聲稱是活躍吸毒者)

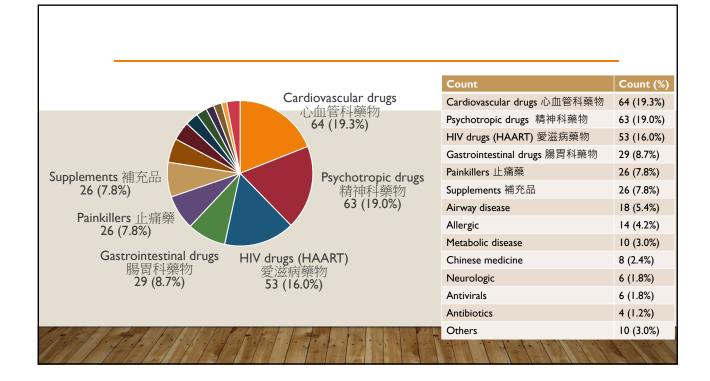
- 自我匯報誤差
- 選擇偏誤 (參加者由NGO轉介)
- 藥劑師介入工作於長期的作用 仍未清楚 (例如於第3個月完成跟進其後的時間)

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- Beat Drugs Fund (BDF170028)
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- Dr. Albert Chung
- · Social workers at SACH-IV of Tung Wah Group of Hospitals
- Frontline staff at different service centres of SARDA
- We would also like to thank PS33, SARDA and AIDS Concern for provision of venues for organization of health promotion talks to the drug abusers and rehabilitees.

THANK YOU

QUESTIONS?



Need background plus use more table graphs

2021年12月30日(星期四)下午2時30 分至4時15分/ 30 Dec 2021 (Thu) 2:30pm -4:15pm

完成 2021 邀請參加禁毒基金網...





禁毒講座及親職講座、校本禁毒宣傳活動,以及為小學生及有特殊教 (此分享環節以廣東話進行)

香港大學藥理及藥劑學系

綜合肌肉骨骼健康評估及藥劑師藥物復審方案

計劃旨在鼓勵吸毒者及戒毒康復者進行骨骼及肌肉健康評估,以 及改善吸毒者、戒毒康復者、高危人士(例如男男性接觸者)的肌肉 骨骼健康及藥物安全。計劃元素包括骨骼及肌肉健康評估、藥劑 師作藥物復審及為吸毒者和戒毒康復者而設的輔導,以及就毒品 相關議題為前線工作者提供不同專題教育計劃。

日期	:	12月30日
		m. 事 册 动 事 込 寿 粉 TT 90

分享機構	項目名稱及簡介
香港科技大學人文 社會科學學院	查港吸遊人口的多個分析 計劃旨在製備香港的「吸毒人口分佈圖」、按社會經濟、地理及人口 特徵、素與不同類重與場合行為比率變化、該計劃推進行多屬統計分 析所 務次腳納出影響本港人口不同類型)吸毒行為的主要因素,及並 無的新型等。 (依分享期間以來推進行)
香港大學藥理及藥 劑學系	認識查達吸養者及其醫療機理服務途徑。據向更完善的治理 這項鞋供研究項目釋討需要急症室醫療機理服務的或毒者的特性。 受旨在觀別及深入了解或或者。从便設定及改善機能的治療安排。」 以為針對級書名報的醫療與社會服務協作介人新模式提供指引。 供分享细胞以某通應行
香港大學藥理及藥 劑學系	総合別內對監健康評估及辦理的關榜物復審方案 計劃旨在影響收益者及成功維度者他行會表及則均健康評估,以及定 級吸毒者、成功能復者。而允上式例如男男性接觸者的利助內局格 能及解物完全,計劃元素性結婚就及則均健康評估、辦門部門維明結 審及為裝飾者和求助權後者而設的輔導,以及從楊品相關減超為的損 工作者提供不同時報效制計劃。

<u>孤玄天氣特別安排</u> 如八號或以上熱帶氣旋警告信號,或馬色暴雨警告信號於中午 12 時 仍然生效,網上項目經驗分享會將會取消。禁毒基金會將另行公佈後 補節介會的有關安排,包括其舉行時間、參記手續等。