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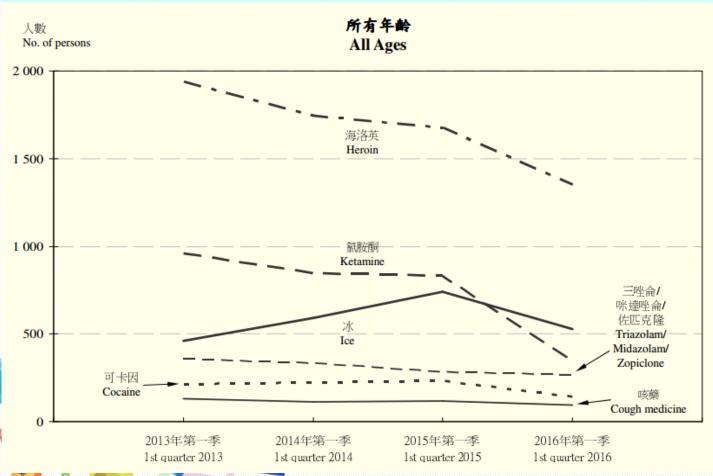






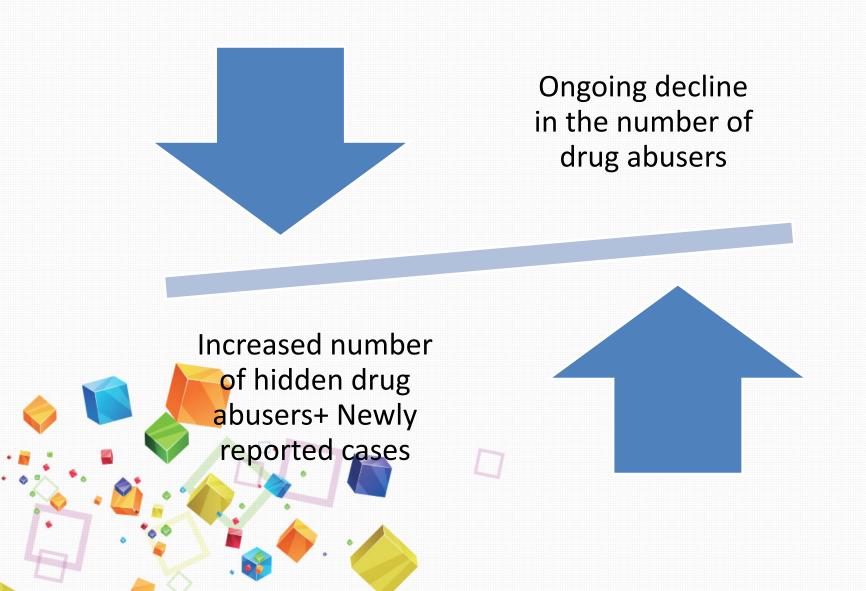
按年齡組別及常被吸食的毒品種類劃分的被呈報吸食毒品人士 (2013年第一季至2016年第一季)

Reported drug abusers by age group by common type of drugs abused (1st quarter 2013 to 1st quarter 2016)





Legislative council panel on security



Impact of psychotropic drug abuse on cognitive and functional abilities

Chronic substance abuse

cognitive Deficits
e.g. disinhibition,
forgetfulness,
inattentive behaviours,
and poor judgement etc.

Functional Deficits affect performance in work, education & other daily living activities

Motivational and emotional changes

(Fernandez-Serrano et al., 2012; Goldman, 1992; Ornstein, 2000)

Existing Service Gap in Hong Kong

Traditional service-delivery model requiring clients to attend hospital or clinic-based services **may not be accessible and effective** in **client engagement** resulting in high default rate

Clients with cognitive deficits in by Counselling Centres for Psychotropic Substance Abusers (CCPSAs) and Drug Treatment and Rehabilitation Centres (DTRCs) who are not consulting psychiatric SOPD may be **under referral** for cognitive assessment and training, resulting in life roles dysfunction



Program objectives

service.

- A 2-year territory wide program, from Jul 2015 to Jun 2017
- The program aimed at improving cognitive and occupational functioning of substance abusers referred by CCPSAs and DTRCs
- The program provided on-site cognitive assessment and training, psychoeducation and cognitive active lifestyle advice to service user. It enhanced the accessibility of the clients to traditional occupational therapy (OT)

Aim of MFCP

To provide **early and comprehensive assessment** to identify the cognitive and occupational functioning deficits of drug abusers

To provide **group and individual program** on psychoeducation, cognitive training, and lifestyle redesign

To facilitate **case management** by collaboration with staff of treatment and rehabilitation facilities

Targeted outcome measurement

Relapse rate

 BDF Question Set no. 5, to compare pre and post drug use pattern

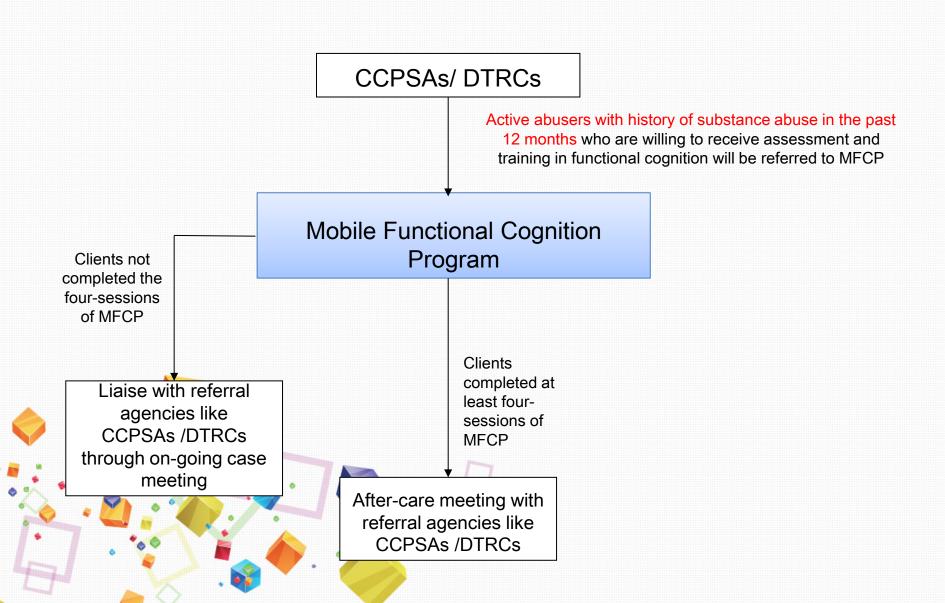
Cognitive functioning

Addenbrooke'sCognitiveExamination-Revised (ACER)

Occupational functioning

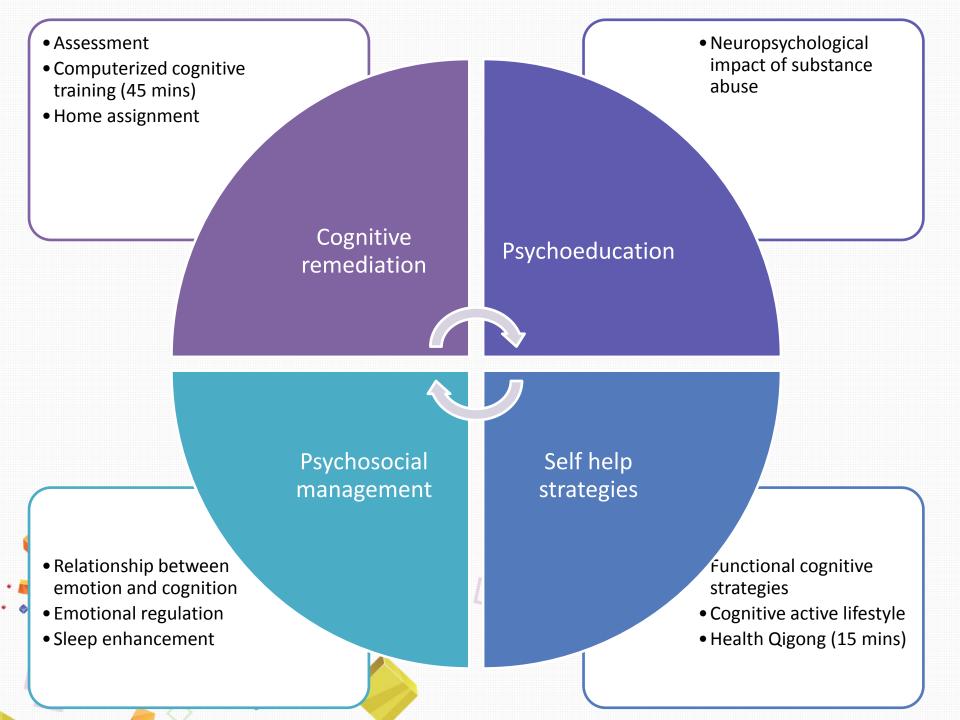
CanadianOccupationalPerformanceMeasure (COPM)

Workflow of MFCP





Program Structure



	第一節 Session one	認知躍動耀生活 Introduction of cognitive domains					
	第二節 Session two	毒品傷腦禍深遠 Substance abuse on cognitive functioning					
1	第三節 Session three	積極參與勤動腦 Cognitively active lifestyle					
	第四節 Session four	記憶有法生活易 Application of mnemonic techniques					
	第五節 Session five	自助攻略不可少 Education on self- help strategy					
	第六節 Session six	正向心理樂隨緣 Emotional regulation and cognition					
	第七節 Session seven	鬆弛減壓好睡眠 Sleep and cognition					
۰	第八節 Session eight	精彩未來我開展 Round-up and celebration					

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課後練習(一)

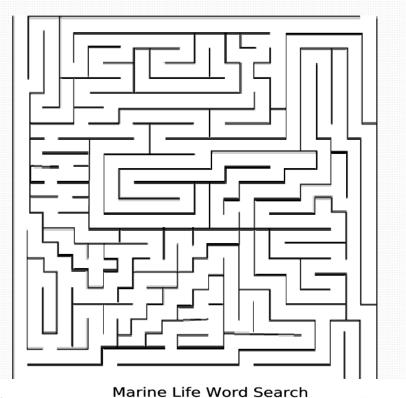
第一天

A) 請比較兩張相片並圈出<u>五個</u>不同之處。



B) 數獨遊戲

Daily homework assignment



Tracy O'Shea

puzzle for SWIM(Safer Waters in Massachusetts) ba

rch puzzle for SWIM(Safer Waters in Massachusetts) based on living in the Massachusetts Bay area.

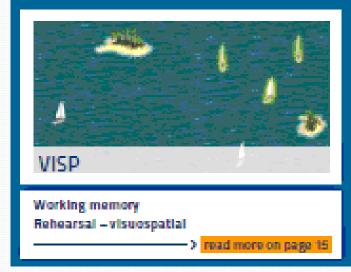
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Humpback whale Sponge Harbor seal Squid Hermit crab Urchin Sea star Lobster Surf clam Herring gull Flounder Moon snail Barnacle Green turtle Sand dollar Eel grass Jellyfish Anemone Shark Skate

Examples of Computerized training (CogniPlus) modules









Program Evaluation

Developmental milestone







New OTI and OTII reported duty in July 2015 Procurement of training equipment in 3Q15

Setting up cognitive training program in 3Q15 Networking with various NGOs. Succeeded in connecting with 5 NGOs

Program implementation

Bi-monthly case conference

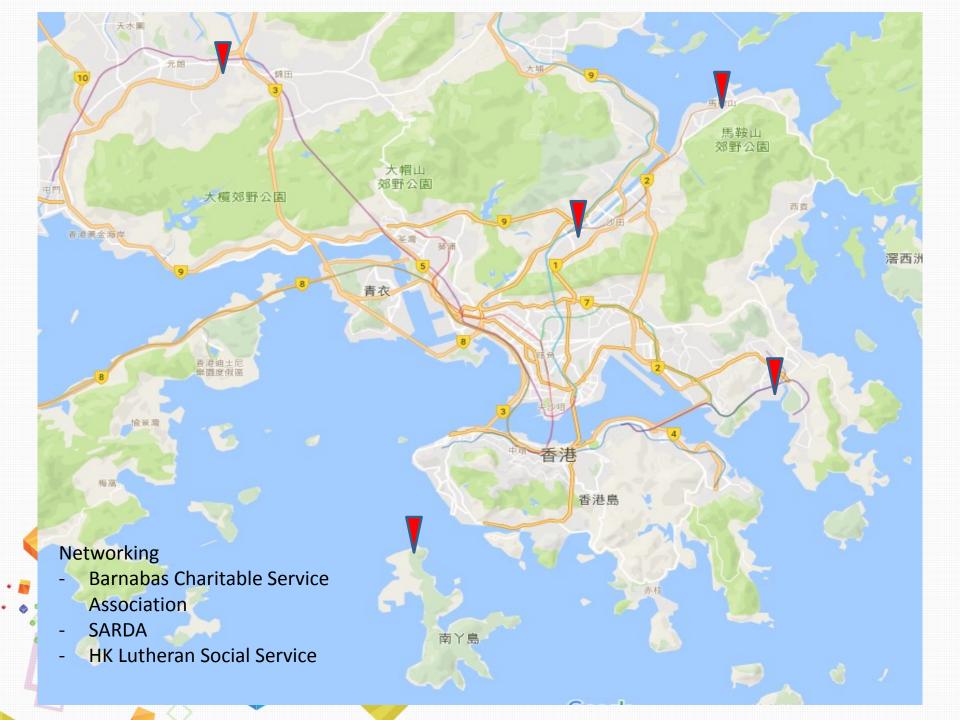
Outcome data review

Data analysis and report writing









Statistical results

- Relapse rate
 - 72 valid cases were evaluated, among which 55 respondents indicated drug use in pre-test and 17 indicated no drug-use in pre-test.
 - Among the 55 respondents indicated drug use in pretest, 100% showed reduction in drug use frequency after treatment.
 - For those indicated no drug-use in pre-test, 94.1% avoided relapse

Statistical results

130 participants from 7 DTRCs and 1 CCPSA entered into the program

- 113 (52% male and 48% female, age range from 16 to 74) of them have completed the whole program and pre-post assessment
- Wilcoxon signed-rank test:
 - Results showed statistically significant increase in
 - various cognitive domains, which included **attention** (*p* < 0.005), **visuospatial** (*p* < 0.005), **memory** (*p* < 0.001) and **language** (*p* < 0.001), 2)
 - occupational functioning, which included performance subscore (p < 0.001) and satisfaction sub-score (p < 0.001)

Lesson learnt

- Networking difficulties in SA field
- Collaboration with community settings
- Extrinsic vs intrinsic volition
- Psychosocial management vs cognitive remedial?
- Further study on the effectiveness of cognitive training in substance abuse field



Conclusion

- The project showed promising results in improving the cognitive and occupational functioning of participants and reduced their drug usage based on the evaluation finding.
- It enhanced the accessibility of OT service in substance abuse field.
- A new RCT research project has been launched from 2017 to 2020 to evaluate its effectiveness
- Coverage extends to Methadone Centre and Substance Abuse Clinic to enhance its generalizability

Reference

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- Goldman H.H., Skodol A.E., Lave T.R. (1992) Revising Axis V for DSM-IV: a review of measure of social functioning, Am I Psychiatry, 149: 1148-1156
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- Ornstein T.J., Baldacchino A.M., Sahakian.B.J., Everritt.B.J., Robbins T.W. (2000)
 Profiles of Cognitive Dysfunction in Chronic Amphetamine and Heroin Abusers. Neorupsychopharmacology, 23: 2, 113-126





Thanks

Q&A

Acknowledgement...

Advisory Committee Members. Department of Psychiatry. United Christian Hospital

All collaborative partners

Beat Drugs Fund Association





