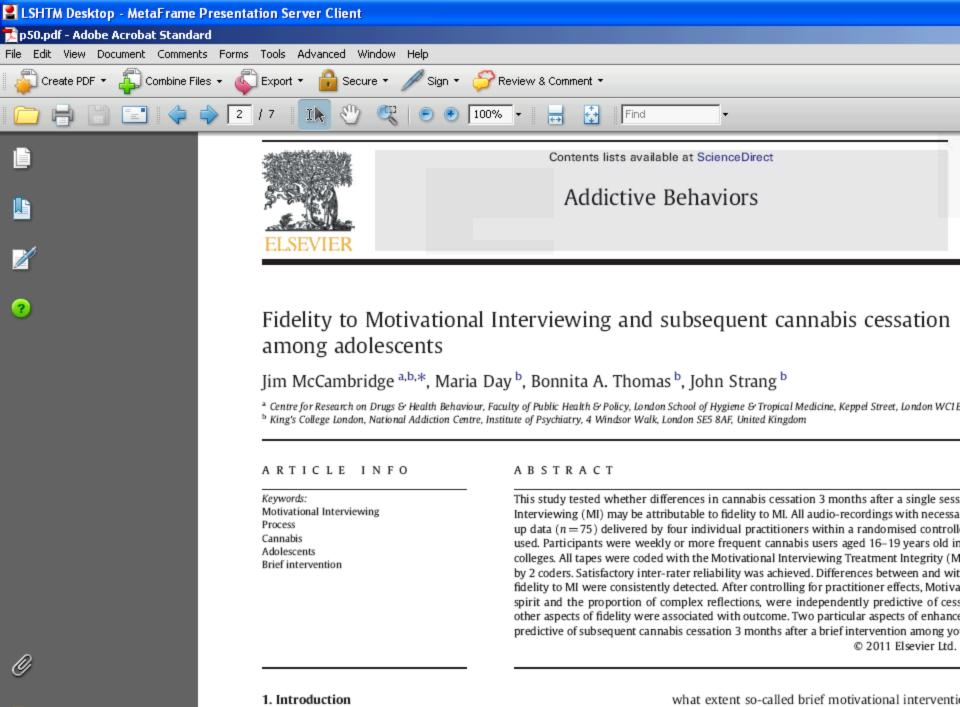
# Fidelity to MI in brief intervention with young people and subsequent cannabis cessation

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to both the principles and practice of MI. Process stu-



• Aim: To test whether differences in cannabis cessation 3 months after a single session brief intervention comprising MI adapted for prevention purposes among young people may be attributable to fidelity to MI

Are 'drugs' different to alcohol & smoking?



#### Methods 1

- Participants were weekly or more frequent cannabis users aged 16-19 years old in Further Education colleges
- Study of all audio-recordings with necessary 3-month follow-up data (n=75) delivered by four individual practitioners within a RCT

All tapes coded with MITI v2 by 1 of 2 coders



#### Methods 2

- 20% random sample MITI double coded
- IRR for MITI and this BI established:
  - 6 excellent; 2 good; 1 fair
- Practitioner (both between and within) variability statistically controlled in hierarchical models



# Findings 1

- Non-significant differences in outcome among all 4 practitioners
- Practitioner 1 higher crude cessation rates than 2-4; 50% cp 21-27%; χ2 [1] = 4.79, p=0.029
- Practitioner effect (ICC) too small to be estimated in hierarchical model - behaviour very different in different sessions

# Summary MITI data

Practitioner	1	2	3	4	F=	p=
Empathy	5.30 (0.92)	5.20 (0.83)	3.54 (1.35)	5.91 (0.70)	18.54	<0.0001
Spirit	4.55 (1.28)	5.15 (0.99)	3.79 (1.47)	5.09 (1.38)	4.84	0.004
Reflections/questions ratio	0.71 (0.23)	0.91 (0.25)	0.47 (0.10)	0.79 (0.27)	17.04	<0.0001
% Complex reflections	63.8 (19.0)	48.4 (14.1)	42.1 (15.8)	60.0 (13.6)	7.90	0.0001
% Open questions	33.5 (6.7)	45.8 (5.8)	29.9 (5.9)	33.0 (6.9)	25.56	<0.0001
% MI adherent	58.5 (19.9)	78.9 (35.9)	72.8 (32.3)	84.4 (22.7)	2.44	0.073

## Crude MITI – cessation data

	Ceased use (n=23)	Continued use (n=52)	t=	p=
Empathy	5.17 (1.15)	4.63 (1.41)	1.61	0.113
Spirit	5.04 (1.11)	4.33 (1.45)	2.11	0.038
Reflections/questions ratio	0.71 (0.22)	0.70 (0.29)	0.19	0.847
% Complex reflections	0.60 (0.21)	0.49 (0.16)	2.46	0.016
% Open questions	0.35 (0.09)	0.36 (0.09)	0.17	0.866
% MI adherent	0.73 (0.29)	0.72 (0.30)	0.17	0.864



#### Cannabis cessation outcome model

(interaction term not significant)

	Odds ratio (95% CI)	p-value
Spirit	1.57 (1.30-1.90)	<0.001
% Complex reflections	34.64 (1.79-671.29)	<0.001



## Interpretation 1

The threat of confounding by unmeasured variables; it may be that it was more straightforward for practitioners to manifest MI spirit and formulate more complex reflections in sessions with study participants who were more likely to subsequently cease cannabis use



### Interpretation 2

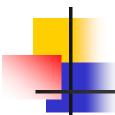
- Relatively low MITI levels multiple behaviour BI, cross-cultural differences or simply poor practice?
- Empirical support for combination of spirit and technique obviously appealing
- Not found in this study as effects were independent of each other



## Interpretation 3

- MITI competence thresholds not been empirically validated
- Guidance on expert levels of complex reflection?

- Extends wider findings of post-session impact
- 'Drugs' not different



Thank you...

and the Wellcome Trust, Big Lottery fund and Action on Addiction