



Rationale

The health field is in need of new innovative strategies that can transfer evidence-based knowledge, support practice change and the implementation of evidence-based interventions and, ultimately lead to improved health outcomes.

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Communities of Practice

Communities of practice (CoPs) are groups of people who share a concern, set of problems, or enthusiasm about a topic, and who deepen their knowledge and expertise about a topic by interacting on an ongoing basis.

They are part of a wider tradition of collaborative small group learning environments related to reflective practice, continuing medical education, education, and adult learning theory.

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Practice context

The context for this study is the children's mental health sector in Ontario, Canada, where 120 organizations have been mandated to use the CAFAS measure to monitor outcomes.

Over 5000 CYMH practitioners are trained to reliably rate the CAFAS.

CAFAS™ in Ontario provides training, implementation, and analytic support to these users.

CoPs are one element of our implementation support strategy.

Our annual data reports can be viewed on the web: http://www.cafasinontario.ca/html/related-reports.asp

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Method

CYMH practitioners entering CAFAS reliability training in second wave of provincial outcome initiative

Randomly assigned (clustered by organization) to

- (1) CoP (n=17 from 3 centers)
- (2) Practice as usual (n=19 from 3 centers)

Outcomes:

- 1. practice change
- 2. topic (CAFAS) knowledge
- 3. satisfaction
- 4. client outcomes and treatment attrition

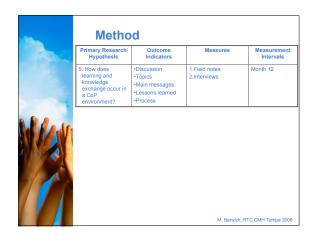
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Method

Primary (1-5) and Secondary (6-7) Research Questions

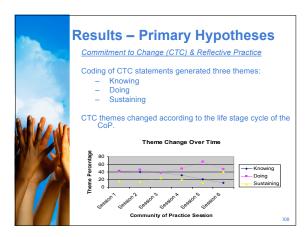
- Does CoP participation lead to greater <u>practice change</u> compared to practice as usual (PaU)?
- 2) Does CoP participation lead to greater <u>practitioner</u> <u>CAFAS knowledge</u> than PaU?
- 3) Is CoP support associated with better $\underline{\text{client outcomes}}?$
- Do practitioners in a CoP environment report greater satisfaction with this type of implementation support compared to practitioners in PaU environments?
- 5) How does learning and knowledge sharing occur in a CoP environment (PROCESS)?
- 6) Do CoP practitioners have a lower rate of <u>client treatment</u> <u>attrition</u> compared to PaU practitioners?
- 7) Is readiness for change associated with practice change?

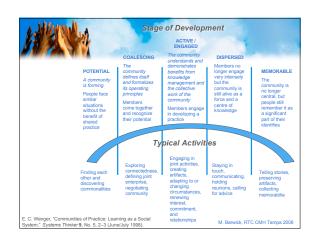
Alexander (Method				
	Primary Research Hypotheses	Outcome Indicators	Measures	Measurement Intervals	
	CoP practitioners demonstrate greater practice change relative to PaU	*Reported change *Demonstrated change *Commitment to change *Reflective practice	1.Practice change Questionnaire 2.# CAFAS ratings per practitioner 3.Commitment to Change form 4.CoP Reflective Practice Journal	1.Months 1,6,12 2.Months 1,6,12 3.Each of 6 CoPs 4.Each of 6 CoPs	
	CoP Practitioners demonstrate greater CAFAS knowledge	*Degree of CAFAS knowledge	1.CAFAS Knowledge Questionnaire	Months 1,6, 12	
	3. Client outcomes for CoP clinicians are better than those for PaU clinicians	•Mean difference score	1.Mean difference score between exit and entry CAFAS total score	Pre/post ratings from CAFAS export data @ months 1,6,12	
	CoP practitioners report greater satisfaction with implementation supports than PaU	Satisfaction with implementation support	1.Satisfaction Questionnaire M. Barwick, R	Month 12 TC CMH Tampa 2008	

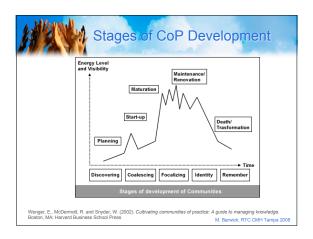


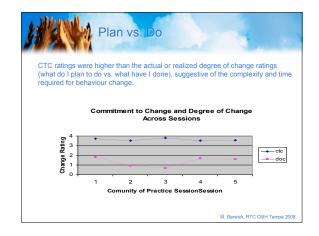
	Secondary Research Hypotheses	Outcome Indicators	Measures	Measurement Intervals
	CoP practitioners have a lower client attrition compared to PaU	•Client attrition	1.# closed cases per practitioner 2.# treatment abandoned per practitioner — captured in data exports	Months 1,6,12
WAY	Readiness for change is associated with practice change	•ORC total practice change score	1.Organizational Readiness for Change scale, Texas Christian University	Month 12

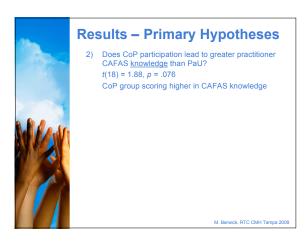


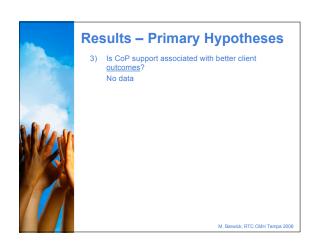


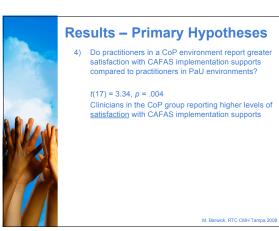














Results – Primary Hypotheses

4) Do practitioners in a CoP environment report greater use of CAFAS implementation supports compared to practitioners in PaU environments?

t(17) = 2.04, p = .058

CoP group reporting more use of CAFAS Supports than the PaU group



Results – Primary Hypotheses

5) How does learning and knowledge exchange occur in a CoP environment?

Field notes & interviews

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Field note Themes

- Reflective Moment: how things were going for them since the last CoP
- <u>Teaching Moment</u>: specific didactic teaching of core skills related to the CAFAS tool
- Assessment of CoP: anything to do with the methodology of evaluating the CoP
- <u>Sharing Knowledge</u>: included both tacit and explicit knowledge, and member as well as expert knowledge exchange
- <u>Common Ground</u>: instances of agreement and shared experience, reification (?)
- Process/Structure of CoP: instances having to do with the structure or core elements of CoPs, i.e., agenda setting
- Knowledge Reach (beyond): knowledge exchange beyond the
- CoP event and its membership

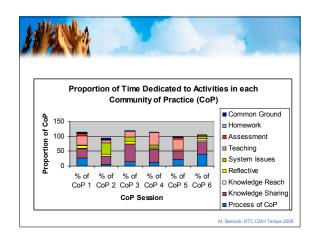
 CYMH Systems & Treatment Issues; issues or comments about larger system or treatment issues
- Assigned Learning Tasks (offline): homework assignments



Field note Themes: significance

- These naturally emerging themes identify the type of learning that goes on in this type of forum, and provides a template or guideline for others who may wish to organize CoPs allowing for the types of 'learning moments' we identified in our own work:
 - Opportunities for group work
 - Knowledge sharing (includes experts)
 - Reflective moments
 - CoP structure or management moments
 - Allow members to participate in agenda setting; includes wanting to vent about system issues for instance

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Results - secondary hypotheses

- Do CoP practitioners have a lower rate of client treatment attrition compared to PaU practitioners?

 No data
- 6) Is readiness for change associated with practice change? How? There were no difference found between the CoP and the PaU on the Readiness for Change (Organizational Readiness for Change) questionnaire.

The implications are that any differences in uptake or implementation were not due to pre-existing RFC constructs.

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Implications & Next Steps

- 1) Pilot findings are significant enough to continue with a larger more detailed study.
- The Community of Practice model was very well received among CYMH clinicians involved and should be continued as a regionally based CAFAS support strategy.
- CIHR funding to be sought in March 2008 for further study.



Thank you!

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