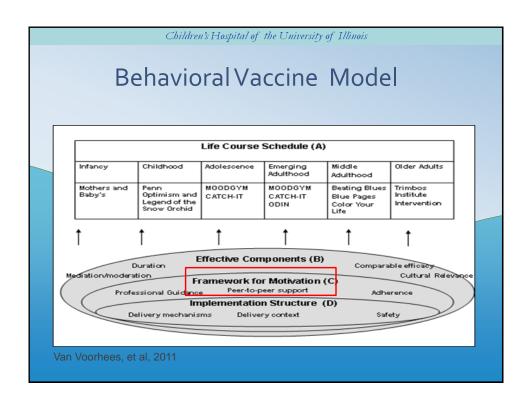


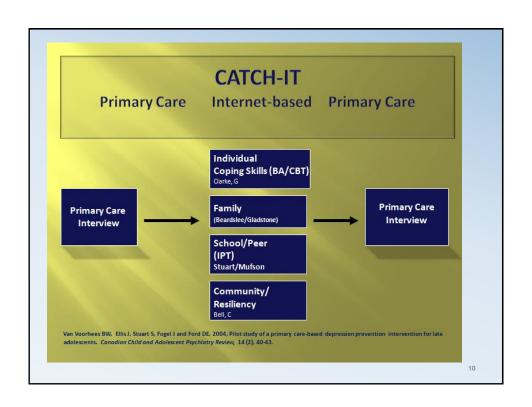
- Observations

 - Artists and web designers do not easily integrateDevelopment works best when under one organizational umbrella
 - Challenge is few organizations "have it all"
 - Changing teen sensibility toward entertainment and concerns about additional "academic" work
 - Art may not be enough to overcome amount of "perceived work"
 - "Pastiche learning"
- How we adapted
 - Rebuilding internet site to put videos FIRST
 - Possibly drop self-efficacy exercise at beginning of module
 - Reduce introductory module to FAQ
 - Make usable on smart phone or tablet

Lessons learned-Effective Components



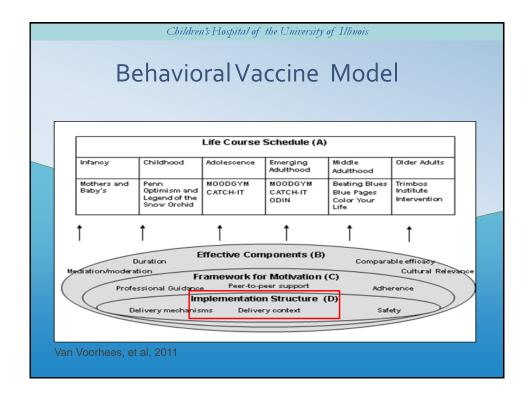




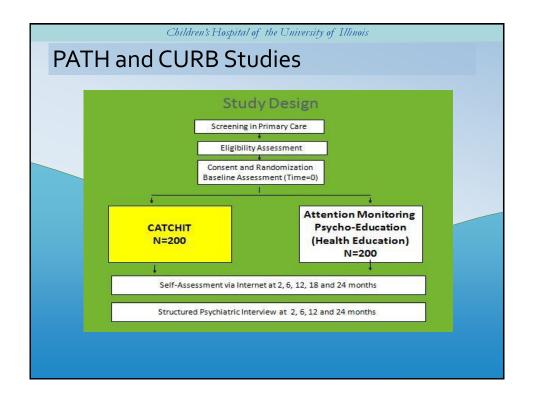
- Observations- Changing frameworks of motivation
 - Increased existential anxiety -future jobs
 - Increased focus on academic achievement
 - Parents and adolescents want to avoid "distractions"
 - Possible increase in self-stigma
 - Paradox of high apparent motivation but low levels of participation
- How adjusted the protocol
 - Added additional, shorter phone calls to increase relationship strength
 - Conducted fidelity audit of motivational interviews-focus on relational engagement
 - Re-trained staff to contextualize study into current family priorities

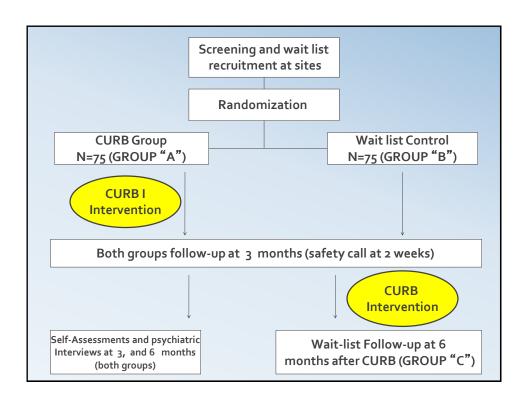
Lessons learned-Motivational Framework











- N=83/410 enrolled from N=18 primary care sites N=4 major US health systems
 - Largest trial to date attempting to prevent major mental disorder in in children primary care settings
 - Very ethnically diverse
 - Parent and child both enrolled as dyad
- Estimated >3,000 adolescents offered screening
 - 14-28% of adolescents at risk for major depressive disorder identified in screening process
- Participation in Health Education arm greater than expected

Making it happen-PATH and CURB

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- Observations
 - Introducing a "simple" intervention into large organizations is actually quite complex
 - Systems already taxed
 - Need for strong relational framework-"not corporate"
 - 7 day/week operation required to manage sites and engage adolescents in eligibility assessments by phone
 - Strong relational focus needed to engage at every level
- · How we adapted
 - Hired additional therapeutically oriented staff
 - Completely changed practice training model to be "not corporate"
 - Used process management theory –"lag" and "lead" indicators
 - Small differences in presentation of study at screening had major impact in percent of adolescents at risk engaged in study

Lessons learned



- Major social and economic forces pushing forward technology based preventive strategies for chronic diseases- rationale of low cost, easy distribution and potential universal coverage
- Scientific agendas that need to be addressed
 - Framework for motivation: Least expensive and most effective manner to motivate engagement
 - Effective components: Mix of media strategies needed to fully engage in the learning process
 - Implementation strategy: Can health systems automate much of the engagement process so it fits their work flows more easily

Conclusions

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- Variations in learning style: As we would still like to incorporate the learning theory (three different types of learner)
- Three voices: allows to gradually approach behavior change
- **Identification**: the auditory (potentially 6 voices that match the character's ethnicity)
- Synchronization of the Senses
 - Script that incorporates the main theme of that module
 - Visual (images that could be abstract i.e. not a person and age specific, which are the most acceptable for the target population) and
 - Auditory-video diary

CATCH-IT 3 Integral Theory-Mark Kaplan



Lessons learned –Site Construction

- Artists and web designers do not easily integrate with backend data base and programmers – careful construction of team and organizational framework
 - Works best when under one organizational umbrella
 - Challenge is few organizations "have it all"
- Complexity builds on complexity
- Importance of cost tradeoffs
- Don't forget ease of use, beauty and meaningful narratives

| Children's Hospital of the University of Illinois Importance of theoretical integration in overall model development | | | | |
|---|---|--|-------------------------|---|
| YEAR | Major Theory | Implication | Citation | |
| 2002 | Self-directed Intervention | Understanding, identification release- "book on line" | Citation | |
| 2002 | Theory of Planned Behavior | Utility model of choice of mental health services | Azjen, 1977 | |
| 2002 | Trans-theoretical Model of Change and Motivational Interviewing | Contact with primary care needed for sustained participation | Miller and Rollnick | |
| 2003 | What works in prevention. Principles of effective prevention programs | Need to integrate into community model | Nation, 2003 | |
| 2005 | Instructional design | Ordered presentation of material for optimal on-line learning | Gagne, 1992 | |
| 2005 | Para-social Learning | Learning through experience of others using narratives | Gagne, 1992 | |
| 2007 | Bio-ecological Model | Layered influences | Bronfenbrenner, 1994 | |
| 2010 | Integral Theory/Synchronization of the Senses | Creative cohesive media based experience linking all elements in artistic/psychological theory | Frank, 2004 | |
| 2011 | Self-Efficacy | Key mediator may be self-efficacy – added warm up exercise | Bandura and Munoz, 1977 | |
| 2012 | Supportive Accountability | Reinforcement from ongoing relationships needed | Mohr, 2012 | 2 |