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Effectiveness of individual treatments

- Recent reviews
 - Mermelstein, 2003
 - a narrative review
 Garrison et al., 2003
 - limited to 6 published, controlled trials
 - Sussman, 2002
 - systematic review of 66 published and unpublished trials of various designs and outcomes
 - McDonald et al., 2003
 - refinement of Sussman, 2002
 - most comprehensive and rigorous
 - used a panel of experts instead of single reviewer
 - results based on 20 studies with high or moderate validity (emphasis put on high validity studies)

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Components of effective programs

- Goal setting
- Self monitoring and self regulation
- Development of coping skills
- Development of self efficacy re overcoming barriers to quitting, performing required cessation tasks, self regulation/scheduling
 - Cognitive reframing re physical arousal
 - Creating mastery experiences (e.g., practice quitting)
 - Vicarious learning opportunities (watching others who are similar to succeed)
 - Verbal persuasion (esp. from trusted sources)
 - Counter conditioning, cognitive reframing

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Components of effective programs

- > Understand and respond to individual's outcome expectations and expectancies
 - Must believe that quitting will help you achieve something you value (e.g., social relationships) more than it will cost you something you value



Expert Panel Findings, cont...

> Insufficient evidence to draw conclusions about:

- Pharmacotherapy
 - May not be effective for "light" adult smokers either (Pierce & Gilpin, 2002; Niaura et al., 1994)
 - Youth have less experience modifying their behaviour hence, non-physiological factors may figure more prominently
- Best delivery setting
 - Most treatments delivered in school settings (class or outside) and health clinics
 - Some school based and clinic programs were effective (just not enough to draw conclusions)
 - Note: youth smokers less likely to be in school or use clinics

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Maximizing participation in cessation aids

Message characteristics

- Campaign should last one to three months
- Use credible adult spokesperson (not youth or a combo)
- > Channel characteristics
 - Use media in community rather than rely on school or clinic-based promotion

Maximizing participation in cessation aids

- Source characteristics
 - Health department or research organizations are better than provincial or federal government sponsors
- Destination characteristics
 - Programs offered thru youth centres and workplaces
 had higher recruitment than schools or clinics
 - Programs offered during winter are best; spring/summer the worst
 - Programs offered before school, during lunch or during work are better than after school
 - Programs that use a variety of cessation tools and formats are more attractive than programs that use one or two strategies

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Future considerations

- > Study new methods of treatment delivery
 - Ubiquitous web-based treatment
 - Ultra brief telephone-based treatment
- Study new places for treatment
 - Workplaces
- > Enhance the rigor of evaluation and research
 - More bad or quick and dirty studies won't inform us.
 - · Major investments are required
- Link research, practice and policy

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