Self-Help Materials

Susan J. Curry, Jacqueline M. Major

INTRODUCTION Population-based approaches to smoking cessation can be viewed on the continuum of clinical to public health interventions (Curry, 1993). At one end, a clinical approach provides intensive, efficacious inter ventions to smokers who seek help, whereas a public health approach provides lower intensity interventions to a broader spectrum of the population (Abrams *et al.*, 1991; Lichtenstein and Glasgow, 1992). Generally, popula tion-based approaches fall in at the public health end of this continuum. At the population level, we often talk about wanting to maximize the impact of an intervention. Impact can be defined as the product of an intervention) and its effectiveness (*i.e.*, the cessation rate associated with the intervention). Because of their potential for wide-scale dissemination, self-help materials for smoking cessation are an important component of population-based approaches to smoking cessation.

We define self-help materials as comprehensive behavioral programs for smoking cessation that do not require attendance at treatment sessions (in person or via telephone). Such programs can take the form of written materials, computerized programs, or audio-visual programs. Self-help materials can be delivered alone or as part of a set of intervention components that comprise "minimal interventions." Examples of minimal intervention packages include self-help materials along with proactive telephone counseling, with pharmacotherapy, or with face-to-face treatment sessions.

There are several intuitively appealing features of self-help materials. As noted above, the materials can package components of intensive interven tions for broad reach into the population. Such materials are relatively low cost to disseminate in a variety of settings. Self-help materials can be tai lored or customized for different target groups, and users of self-help materials can tailor the program recommendations to their own specific needs. Self-help materials can be kept and reused for multiple quit attempts. Finally, the majority of smokers prefer less intensive self-help approaches (Fiore *et al.*, 1990).

This brief report examines the current state of knowledge regarding the rates of use for self-help materials among the general smoking population and the impact of self-help materials on smoking cessation attempts and on the achievement rates of smoking cessation success.

UTILIZATION OF SELF-HELP MATERIALS

Key national surveys of tobacco use and cessation-

TERIALS including the 1986 Adult Use of Tobacco Survey and the past and current Behavioral Risk Factor Surveys—do not assess the use of self-help materials. Nor did the Fiore *et al.* (1990) analysis of assisted and unassisted methods of cessation include a specific reference to self-help materials. The 1986 version of the Cancer Control Supplement to the National Health Interview Survey *did* ask current smokers whether they had ever tried to stop smoking by following instructions in a book or pamphlet, but these data have not been published (Office on Smoking and Health, personal communication, 1998).

Data on use of self-help materials alone and in combination with other interventions (e.g., counseling, nicotine replacement, etc.) are available from the 1996 California Tobacco Survey for adults. Among adults age 25 and older who were daily smokers 12 months prior to the survey and who had made a quit attempt in the past 12 months, 2.5 ± 0.7 percent reported using self-help materials alone and 9.3 ± 1.3 percent reported using them alone or in combination with some other cessation method (Table 7-1). These rates of use are higher than for counseling, but lower than the rates for nicotine gum or patch, particularly gum or patch used either alone or in combination with other methods. There appear to be some differences in rates of use by age, with a lower proportion of younger smokers (ages 18-24, data not shown) reporting the use of self-help methods, either alone or in combination. Female smokers were slightly more likely than males to use self-help approaches in combination with other methods, and Asian/Pacific Islander smokers were slightly less likely to use self-help approaches. Otherwise, there were few differences by age or race/ethnicity. There was a modest increase in the use of self-help approaches among higher educated and higher income groups (with the exception of those earning \$75,000 or more). Figure 7-1 shows abstinence rates at the time of the survey for adult smokers who reported using either no cessation method or using counsel ing, patch, gum, or self-help alone or in combination with another method. Self-help, patch, and gum, when used in combination with other methods, had significantly higher rates of being quit at the time of the survey, but the differences in being quit for 3 or more months were not statistically sig nificant, possibly due to the small number of observations.

Table 7-2 presents the current smoking or cessation status at the time of the survey for those who were daily smokers 1 year prior to the survey and who made a cessation attempt. Cessation and smoking status are presented by the method used. Although the confidence intervals on these observa tions are too broad to draw statistically significant interpretations, the frac tion of those who made a quit attempt and who are still quit at the time of the survey among those reporting that they used self-help methods alone is only slightly higher than that for those who reported using no method at all. The use of gum alone, self-help in combination with counseling or patch or gum, and patch or gum in combination with self-help or counsel ing were all associated with a higher rate of being still quit at the time of the survey. There is a suggestion that self-help used in combination with patch, gum, or counseling may be more effective than self-help methods

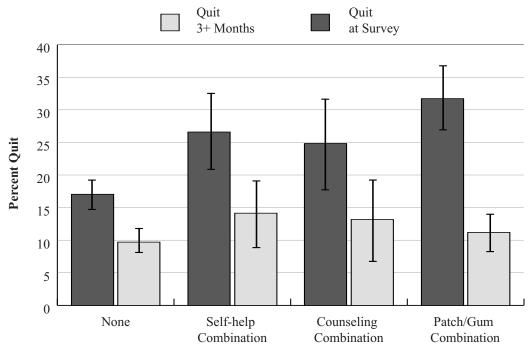
None Counselit $\%$ \pm Cl $\%$ \pm Cl 72.3 2.0 1.7 0.1 75.2 2.7 1.3 0.8 68.5 3.4 2.2 1.3 0.9 68.5 3.4 2.1 1.9 0.9 68.5 3.4 2.1 1.9 0.9 69.3 4.2 1.7 0.1 0.9 69.3 4.2 1.7 0.1 0.9 64.3 7.7 0.4 0.6 4.2 n 72.5 13.7 2.9 4.2 n 72.5 13.7 2.9 4.2 n 72.5 13.7 2.9 4.2 n 72.5 3.1 1.1 0.6 77.2 5.6 3.8 2.6 7.1 71.9 3.7 1.0 0.1 67.1 71.9 3.7 1.0 0.2 7.2 71.9					Singl	igle Ai	e Aid Only								Comt	Combination of Aids**	n of Ai	ids**			
None Counselling Materials Patch Guine Materials Patch Materials Patch \bullet ± Cl \bullet to						Self-	lelp	_	tine	Nicot	tine		;	Self-	Help	Nic P	atch			Pop	Samp
723 20 1.7 0.7 2.5 0.7 4.6 0.8 3.3 0.8 7.1 1.1 9.3 1.3 2.10 1.8 0.7 0.3 1.266663 2 68.5 3.4 2.2 1.1 2.7 1.1 4.4 1.2 7 1.0 5.6 1.7 1.92 2.3 0.6 0.5 707.555 1.1 ars) 752 2.1 1.3 0.8 2.7 1.0 6.0 1.7 1.92 2.3 0.6 0.5 707.555 1.1 2.7 1.0 5.7 1.0 5.7 1.0 5.7 1.0 5.7 1.0 5.7 1.0 5.7 1.0 5.7 1.0 5.7 5.5 5.7 1.0 5.7 5.5 5.7 5.7 5.5 5.5 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7 <			one ± CI	<u>Coun:</u>	seling : CI	<u>Mater</u> %	<u>tials</u> ± Cl	<u>Pat</u> %	ᇆ	[∓] 8011 8011	ບ ອ	<u>Coun:</u> % ±	seling CI	<u>Matei</u> %	rials CI	or <u>6</u> #		<u>Unkne</u> %		Size (N)	Size (n)
752 2.7 1.3 0.8 2.4 1.0 4.7 1.1 2.7 1.0 1.9 2.34 2.9 0.5 707535 1.1 aers 74.6 2.1 1.2 1.1 4.7 1.1 2.7 1.0 1.9 2.9 0.5 707535 1.1 aers 74.6 2.1 1.9 0.9 2.7 1.1 2.7 1.9 0.7 0.5 5979796 1.0 5063 1.7 1.9 0.7 0.5 797966 1.0 506176 1.0 50796566718 1.0 50766518 1.0 50766518 1.0 50766518 1.0 $507665186676666666666666666666666666666666$	Total		2.0	1.7	0.7		0.7	4.6	0.8		0.8	7.1	1.1	9.3	1.3	21.0	1.8	0.7	0.3	1,266,663	2,680
085: 3.4 2.2 1.1 2.4 1.2 3.9 1.4 1.2 3.9 1.4 1.2 3.9 1.6 1.0 1.3 2.3 2.4 1.3 3.65 1.6 1.0 1.3 2.3 2.4 1.5 0.5 7.7 3.8 0.17 1.8 2.5 1.8 3.6 1.5 3.8 1.7 3.8 3.1 1.8 3.5 1.7 3.8 9.1 4.8 3.5 7.5 0.1 0.3 0.3 0.3 0.3 0.3 0.4 3.5 1.3 3.8 1.6 1.1 1.7 3.8 9.1 4.8 1.0 1.0 1.3 3.65 1.6 1.1 3.5 1.1 3.5 1.1 3.5 1.1 3.5 1.1 3.5 1.1 3.5 1.1 3.5 3.65 3.0 7.7 3.65 1.1 1.1 3.5 1.1 1.2 3.11 1.55 3.0 3.65 1.1 <	Gender Male	75.2	2.7	1.3	0.8		1.0	4.7	+- 0 +- 0	2.7	1.0	5.6	4. 4. 0	8.0	1.7	19.2	2.3	0.6	0.5	707,535	1,377
mars) 77. 38. 31. 32. 30. 37. 30. 30. 37. 30. </td <td>Female</td> <td>68.5</td> <td>а. 4</td> <td>2.2</td> <td>..</td> <td></td> <td></td> <td>4.</td> <td>1.2</td> <td>3.9</td> <td>4.</td> <td>8.9</td> <td>1.6</td> <td>11.0</td> <td>1.9</td> <td>23.4</td> <td>2.9</td> <td>0.7</td> <td>0.5</td> <td>559,127</td> <td>1,303</td>	Female	68.5	а. 4	2.2	. .			4.	1.2	3.9	4.	8.9	1.6	11.0	1.9	23.4	2.9	0.7	0.5	559,127	1,303
69.3 4.2 1.7 1.4 2.0 1.0 5.7 1.8 3.6 1.5 3.8 1.5 3.8 1.5 3.6 1.6 3.1 3.5 7.7 0.4 $3.65,166$ thnicity 7.7 0.4 0.8 1.3 1.8 6.5 7.7 3.8 3.5 7.5 7.7 0.4 $3.65,166$ 7.76 5.2 1.2 0.6 1.7 3.5 1.1 3.5 1.1 3.5 1.1 3.5 1.1 3.5 1.1 3.5 1.1 3.5 1.1 3.5 1.1 3.5 1.1 3.5 1.1	Age (Yea 25-44	rs) 74.6	2.1	1.9	0.9		0.9	3.9	0.8	2.7	0.9	6.0		9.0	1.7	18.2	2.0	0.9	0.5	797,986	1,661
64.3 7.7 0.4 0.8 1.3 1.8 6.3 2.8 6.6 5.1 7.7 3.8 9.1 4.8 3.25 7.5 . 103,509 thnicity $e 864$ 2.7 2.1 2.6 0.7 6.1 1.3 5.1 6.8 3.0 7.6 2.9 3.0 0.7 0.4 0.7 $224,058$ 0.864 5.7 2.1 6.8 3.7 4.7 12.0 0.7 $224,050$ 0.7 $224,050$ 0.7 $224,050$ 0.7 $224,056$ 0.7 $234,020$ 0.7 $234,020$ 0.7 $234,020$ 0.7 $234,027$ 0.7 $234,027$ 0.7 $234,027$ 0.7 $234,027$ 0.7 $234,027$ 0.7 $234,027$ 0.7 $234,027$ 0.7 $234,027$ 0.7 $234,027$ 0.7 $234,027$ 0.7 $234,027$ 0.7 $234,027$ 0.7 $237,021111$ 0.7	45–64	69.3	4.2	1.7	1.4		1.0	5.7	1.8	3.6	1.5	9.2		10.0	2.6	24.1	3.5	0.3	0.4	365,166	803
thinicity thinicity $6 \ 6 \ 8 \ 4 \ 2 \ 2 \ 2 \ 2 \ 2 \ 2 \ 2 \ 2 \ 2$	65+	64.3	7.7	0.4	0.8		1.8	6.3	2.8	6.6	5.1	7.7		9.1	4.8	32.5	7.5			103,509	216
	Race/Eth	nicity	0		0		1		,	L C	,	0	,	1	•		č	1			
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	NH White	68.4 00.6	N N N N	- c	9. r		۲.0 ۲	0.1 0.0	۲. ۵ ۲. ۲	с. г. г.	0 7	ю. 10 10	L. C	9.7	- c 4. c	25.1	L. 2	/ 0	0 0 4 1	806,518	1,930
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	mispanic	0.00 100	4 (0 (- c - v			0. c	0.Z	0.	0 v	0. 0 - 0	0 L		1 0 - 0	י מ י ע	10.1	4 • 0 0	- i 1	- c - c	224,030	200
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	AIric-Am	0.97	1 V. 1 Q	ο. - σ	י ה י וא			ן. נ		2 C	N O	0.0 0		/ .0 L	0	4. LL	4 (0 1		N.N.	066,111 70,000	185
	Asian/PI		1.1	2.6	4.1		2.4	2.7	4.1	2.9	2.9	8.0	6.4	5.9	с. С.	15.5	6.1			/0,309	135
	Nativ Am		13.7	2.9	4	د .	2.5	1.8	2.1	4.6	හ. ග	7.4	4.7	12.0	6.5	20.7	11.1			54,227	98
ion (Vears) 77.2 5.6 3.8 2.5 1.5 1.2 2.1 1.4 3.3 2.0 15.8 4.8 1.0 0.8 299,599 72.0 3.1 1.1 0.6 2.7 1.0 6.1 1.5 2.1 1.0 6.0 1.9 9.2 2.2 2.3 2.9 0.5 0.5 364,834 71.9 3.7 1.0 0.7 2.6 1.2 5.2 1.6 2.8 1.0 6.7 1.8 9.8 2.1 2.0 359,691 67.1 4.8 1.0 0.7 2.6 1.2 5.2 1.6 2.8 1.0 6.7 1.8 9.8 2.1 0.5 0.5 364,834 67.1 4.8 1.0 0.7 2.6 1.2 5.7 1.1 0.9 2.7 2.6.5 4.2 1.1 0.9 356,691 67.3 4.9 2.5 2.4 7.7 2.5	Other	•																		0	0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	Educatio	n (Yea	ırs)																		
72.0 3.1 1.1 0.6 2.7 1.0 6.1 1.5 2.1 1.0 6.0 1.9 9.2 2.2 2.3 2.9 0.5 $364,834$ 71.9 3.7 1.0 0.7 2.6 1.2 5.2 1.6 2.8 1.0 6.7 1.8 9.8 2.1 20.4 3.2 1.1 0.9 $359,691$ 67.1 4.8 1.0 0.8 3.4 1.5 1.6 5.5 2.4 7.7 2.5 1.1 0.9 2.7 26.5 4.7 1.2 1.2 1.6 5.5 2.4 7.7 2.6 1.8 1.8 1.8 1.8 1.8 3.2 6.4 2.7 1.8 1.1 4.5 2.7 1.2 1.2 1.8 1.8 1.8 1.8 1.8 3.2 6.4 2.7 1.8 0.7 1.8 0.7	<12	77.2	5.6	3.8	2.5	1.5	1 2	2.1	1.4	3.3	2.0	8.3	3.1	7.2	3.0	15.8	4.8	1.0	0.8	299,599	312
71.9 3.7 1.0 0.7 2.6 1.2 5.2 1.6 2.8 1.0 6.7 1.8 9.8 2.1 20.4 3.2 1.1 0.9 359,691 67.1 4.8 1.0 0.8 3.4 1.5 4.6 1.6 5.5 2.4 7.7 2.5 11.3 2.7 26.5 4.2 . 242,537 rold income (Dollars) 78.2 5.3 3.0 2.7 1.9 1.5 1.8 1.9 3.2 2.5 8.3 4.0 6.9 3.3 14.8 4.7 1.2 1.3 156,924 76.3 4.9 2.5 2.1 1.9 3.2 2.5 8.3 4.0 6.9 3.3 14.8 4.7 1.2 1.3 156,924 76.3 4.9 2.5 2.1 1.9 3.2 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.1 4.5 2.0 9.7 1.9 1.3 0.6 0.7 1.9 <td>12</td> <td>72.0</td> <td>з.1</td> <td>1.1</td> <td>0.6</td> <td></td> <td>1.0</td> <td>6.1</td> <td>1.5</td> <td>2.1</td> <td>1.0</td> <td>6.0</td> <td>1.9</td> <td>9.2</td> <td>2.2</td> <td>22.3</td> <td>2.9</td> <td>0.5</td> <td>0.5</td> <td>364,834</td> <td>903</td>	12	72.0	з.1	1.1	0.6		1.0	6.1	1.5	2.1	1.0	6.0	1.9	9.2	2.2	22.3	2.9	0.5	0.5	364,834	903
67.1 4.8 1.0 0.8 3.4 1.5 4.6 1.6 5.5 2.4 7.7 2.5 11.3 2.7 26.5 4.2 . 242,537 nold Income (Dollars) 78.2 5.3 3.0 2.7 1.9 1.5 1.8 1.9 3.2 2.5 8.3 4.0 6.9 3.3 14.8 4.7 1.2 1.3 156,924 76.3 4.9 2.5 2.1 1.9 1.5 2.6 1.8 1.9 3.2 2.6 1.8 4.7 1.2 1.3 156,924 76.3 4.9 2.5 2.1 1.9 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.1 4.5 2.0 9.7 2.9 1.7 1.9 1.87,040 76.5 4.4 0.6 0.7 3.1 1.4 2.5 0.7 1.0 1.87,040 76.9	13–15	71.9	3.7	1.0	0.7		1 2	5.2	1.6	2.8	1.0	6.7	1.8	9.8	2.1	20.4	3.2	1.1	0.9	359,691	887
old income (Dollars) 78.2 5.3 3.0 2.7 1.9 1.5 1.8 1.9 3.2 2.5 8.3 4.0 6.9 3.3 14.8 4.7 1.2 1.3 156,924 76.3 4.9 2.5 2.1 1.9 1.3 3.7 1.8 2.6 1.8 6.8 3.2 6.4 2.7 18.2 4.5 0.7 1.0 187,040 76.3 4.9 2.5 2.1 1.9 1.3 3.7 1.8 2.6 1.8 6.8 3.2 6.4 2.7 18.2 4.5 0.7 1.0 187,040 78.5 4.4 0.6 0.7 3.1 1.8 1.1 4.5 2.0 9.7 1.0 187,040 78.5 4.4 1.6 0.7 3.1 1.8 1.1 4.5 2.0 9.7 1.0 187,040 69.7 4.4 1.5 1.4 2.5 7.6 2	16+	67.1	4.8	1.0	0.8		1.5	4.6	1.6	5.5	2.4	7.7	2.5	11.3	2.7	26.5	4.2			242,537	578
78.2 5.3 3.0 2.7 1.9 1.5 1.8 1.9 3.2 2.5 8.3 4.0 6.9 3.3 14.8 4.7 1.2 1.3 156,924 76.3 4.9 2.5 2.1 1.9 1.3 3.7 1.8 2.6 1.8 6.8 3.2 6.4 2.7 18.2 4.5 0.7 1.0 187,040 78.5 4.4 0.6 0.7 3.1 1.7 3.6 1.8 1.1 4.5 2.0 9.7 2.9 4.3 0.8 1.1 190,339 69.7 4.4 1.5 1.4 2.5 1.8 1.8 1.1 4.5 2.0 9.7 2.9 4.3 0.8 1.1 190,339 69.7 4.4 1.5 1.4 2.5 1.8 1.8 1.1 4.5 2.0 9.7 1.0 187,040 69.7 4.4 1.5 1.4 2.5 1.3 6.0 2.7 2.9 4.1 2.0 0.7 10.0 0.7 271,517 <t< td=""><td>Househo</td><td>Id Inco</td><td>ome (D</td><td>ollars)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Househo	Id Inco	ome (D	ollars)																	
76.3 4.9 2.5 2.1 1.9 1.3 3.7 1.8 2.6 1.8 6.8 3.2 6.4 2.7 18.2 4.5 0.7 1.0 187,040 78.5 4.4 0.6 0.7 3.1 1.7 3.6 1.8 1.1 4.5 2.0 9.7 2.9 14.9 4.3 0.8 1.1 190,339 69.7 4.4 1.5 1.4 2.5 1.3 6.0 2.2 2.9 1.5 7.6 2.6 10.4 2.9 4.3 0.8 1.1 190,339 69.7 4.4 1.5 1.4 2.5 1.3 6.0 2.2 2.9 1.5 7.6 2.6 10.4 2.9 2.8 4.1 0.6 0.7 271,517 66.9 5.7 1.6 1.5 3.6 2.1 3.3 1.7 8.6 3.1 13.5 4.1 2.6 0.7 0.7 0.9 200,708 66.9 5.7 1.6 2.7 3.2 6.9 2.8 29.9 5.5 <td>≤1 OK</td> <td>78.2</td> <td>5.3</td> <td>3.0</td> <td>2.7</td> <td>1.9</td> <td>1.5</td> <td>1.8</td> <td>1.9</td> <td>3.2</td> <td>2.5</td> <td>8.3</td> <td>4.0</td> <td>6.9</td> <td>3.3</td> <td>14.8</td> <td>4.7</td> <td>1.2</td> <td>1.3</td> <td>156,924</td> <td>264</td>	≤1 OK	78.2	5.3	3.0	2.7	1.9	1.5	1.8	1.9	3.2	2.5	8.3	4.0	6.9	3.3	14.8	4.7	1.2	1.3	156,924	264
78.5 4.4 0.6 0.7 3.1 1.7 3.6 1.8 1.1 4.5 2.0 9.7 2.9 14.9 4.3 0.8 1.1 190,339 69.7 4.4 1.5 1.4 2.5 1.3 6.0 2.2 2.9 1.5 7.6 2.6 10.4 2.9 3.8 4.1 0.6 0.7 271,517 66.9 5.7 1.6 1.5 3.6 2.0 5.4 2.1 3.3 1.7 8.6 3.1 13.5 4.1 0.6 0.7 271,517 66.9 5.7 1.6 1.5 3.6 2.0 5.4 2.1 8.6 3.1 13.5 4.1 2.9 200 0.7 200,708 64.9 5.6 2.3 2.4 1.2 1.6 2.5 5.4 3.6 7.7 3.2 6.9 2.8 29.9 5.5 0.4 0.7 148,285 n 71.9 6.4 0.4 0.7 3.4 2.9 4.8 3.9 5.2 2.5 9.7	10-20K	76.3	4.9	2.5	2.1	1.9	1.3	3.7	1.8	2.6	1.8	6.8	3.2	6.4	2.7	18.2	4.5	0.7	1.0	187,040	354
69.7 4.4 1.5 1.4 2.5 1.3 6.0 2.2 2.9 1.5 7.6 2.6 10.4 2.9 23.8 4.1 0.6 0.7 271,517 66.9 5.7 1.6 1.5 3.6 2.0 5.4 2.1 3.3 1.7 8.6 3.1 13.5 4.1 0.6 0.7 0.9 200,708 66.9 5.7 1.6 1.5 3.6 2.0 5.4 2.1 8.6 3.1 13.5 4.1 23.9 5.0 0.7 0.9 200,708 64.9 5.6 2.3 2.4 3.6 7.7 3.2 6.9 2.8 29.9 5.5 0.4 0.7 148,285 <i>n</i> 71.9 6.4 0.4 0.7 3.4 2.9 4.8 3.9 5.2 2.5 9.7 4.0 2.4 0.7 111,848	20-30K	78.5	4.4	0.6	0.7	3.1	1.7	3.6	1.8	1.8	1.1	4.5	2.0	9.7	2.9	14.9	4.3	0.8	1.1	190,339	398
66.9 5.7 1.6 1.5 3.6 2.0 5.4 2.1 3.3 1.7 8.6 3.1 13.5 4.1 23.9 5.0 0.7 0.9 200,708 64.9 5.6 2.3 2.4 1.2 6.5 5.4 3.6 7.7 3.2 6.9 2.8 29.9 5.5 0.4 0.7 148,285 In 71.9 6.4 0.4 0.7 3.4 2.9 5.2 5.4 3.9 5.2 2.5 9.7 4.0 21.5 5.7 0.4 0.7 111,848	30-50K	69.7	4.4	1.5	1.4		1.3	6.0	2.2	2.9	1.5	7.6	2.6	10.4	2.9	23.8	4.1	0.6	0.7	271,517	605
64.9 5.6 2.3 2.4 1.2 1.2 6.6 2.5 5.4 3.6 7.7 3.2 6.9 2.8 29.9 5.5 0.4 0.7 148,285 wm 71.9 6.4 0.4 0.7 3.4 2.3 4.4 2.9 4.8 3.9 5.2 2.5 9.7 4.0 21.5 5.7 0.4 0.7 111,848	50-75K	66.9	5.7	1.6	1.5		2.0	5.4	2.1	3.3	1.7	8.6	3.1	13.5	4.1	23.9	5.0	0.7	0.9	200,708	452
71.9 6.4 0.4 0.7 3.4 2.3 4.4 2.9 4.8 3.9 5.2 2.5 9.7 4.0 21.5 5.7 0.4 0.7 111,848	>75K	64.9	5.6	2.3	2.4	1.2	1 2	6.6	2.5	5.4	3.6	7.7	3.2	6.9	2.8	29.9	5.5	0.4	0.7	148,285	377
	Unknown		6.4	0.4	0.7		2.3	4.4	2.9	4.8	3.9	5.2	2.5	9.7	4.0	21.5	5.7	0.4	0.7	111,848	230

Chapter 7

Table 7-1 Aids Used b

Figure 7-1

Current Cessation Status at Time of Survey by Method Used among Those Who Were Daily Smokers 1 Year prior to the Survey and Who Made a Quit Attempt, Ages 25+, 1996 CTS



Cessation Method

Table 7-2				
Current Smoking and Cessation	Status by	Method	of Cessation	Used*

	Curre	nt Smoker	w/Quit At	tempt	Former S	moker o	f Pop	Samp
	Da	ily	Occas	ional	Any Qui	t Length	Size	Size
	%	CI	%	CI	%	CI	(N)	(n)
Total	71.79	2.09	7.56	1.21	20.65	1.90	1,266,663	2,680
Single Aid Only								
None	74.59	2.30	8.35	1.60	17.06	2.20	915,186	1,886
Counseling Only			3.79	5.39			21,538	38
Self-Help Only	73.04	9.63	6.48	5.66	20.48	8.88	32,124	74
Patch Only	67.11	8.17	6.49	4.06	26.40	8.04	58,422	142
Gum Only	57.49	14.99	8.00	6.32	34.52	14.16	41,251	92
Aids in Combination								
Counseling**	71.81	7.11	3.32	2.55	24.87	7.16	89,356	189
Self-Help**	69.06	6.22	4.34	3.07	26.60	6.08	117,871	260
Patch/Gum**	62.62	4.87	5.68	1.76	31.71	4.51	266,595	612
Unknown							8,549	16

*Those 25+ years of age who have made a quit attempt in the past year and were daily smokers 1 year ago.

**Combination includes use of the method alone or with any other method.

Source: California Tobacco Survey, 1996

used alone. In contrast, there is no trend suggesting that the addition of self-help or counseling methods improves the percentage of gum users who are quit at the time of the survey. These data suggest that, if self-help materials are used, they should be used as one component of a multi-component cessation intervention.

Unpublished data from a study conducted at the Group Health Cooperative (Curry *et al.*, 1995) provide some population-based data on uti lization of self-help materials. In this study, a total of 1,137 smokers were identified from a population-based survey of over 5,900 adults (response rate 74 percent). Smokers were asked the following question, "Have you ever tried self-help quit smoking books, pamphlets or guides?" Overall, 3 percent indicated that they were currently using one, 28 percent said they had used them in the past, and 69 percent said that they had never tried a self-help guide. Rates of use differed by gender, with women reporting sig nificantly more current (4 percent versus 2 percent) and past (32 percent versus 24 percent) use than men.

Population-based estimates of the proportion of smokers who say they have used self-help materials do not provide insight into what the smokers actually do with the books or guides when they have them. Because selfhelp materials can be easily disseminated, it may be of particular interest to examine rates of use and the impact of materials in smokers who voluntari ly request materials compared to those who receive the materials through population-based outreach efforts. A recent publication from our research program (McBride et al., 1998) examined the use of self-help materials and smoking cessation among proactively recruited and volunteer intervention participants. The study used data from two separate randomized trials that used the same self-help manual as one of the treatment arms (Curry et al., 1991 & 1995). As expected, volunteer smokers were significantly more like ly to read the self-help materials and to complete any activities than were nonvolunteer smokers (84 percent versus 33 percent read materials, respec tively; 49 percent versus 13 percent completed activities, respectively). Baseline variables that predicted use of the self-help materials (with use defined as reading at least half of the materials and completing any recom mended activities) for the volunteer smokers were whether participants reported any prior quit attempts and a strong desire to quit smoking. Desire to quit smoking also predicted use among nonvolunteers, as did higher education level.

McBride and colleagues also tested for associations between using the self-help materials and outcomes at a 12-month follow-up. These prospec tive analyses examined whether reported use of the self-help manual at 3 months predicted quit attempts or abstinence when assessed at 12 months. In both the volunteer and nonvolunteer samples, self-reported use of the self-help manual at 3 months was associated with a higher likelihood of reporting 24-hour quit attempts at the 12-month follow-up. Use of the materials did not predict 12-month prevalent abstinence in either sample.

IMPACT OF SELF-HELP MATERIALS ON SMOKING CESSATION

The Cochrane Tobacco Addiction Review Group is completing a meta-analysis of self-help interventions for smoking cessation (Lancaster and Stead, 1999). They

examined a total of 39 randomized clinical trials with a minimum of 6 months of follow-up. The studies were selected if they had at least one arm that included a self-help intervention without repeated face-to-face thera pist contact. The target outcome is long-term abstinence, defined as either 6-month sustained abstinence or two consecutive point-prevalent abstinence reports.

Five hypotheses guided the review:

- Self-help interventions are better than no treatment.
- Self-help interventions are equivalent to more intensive behav ioral interventions and to pharmacotherapy.
- Different forms of self-help materials (written, audio, video) have equivalent effects.
- Adjuncts such as computer-generated feedback, telephone hotlines, and pharmacotherapy increase effectiveness.
- Approaches tailored to the individual are more effective than nontailored materials.

Self-help interventions are defined as "any manual or program to be used by individuals to assist a quit attempt not aided by health profession als, counselors, or group support." The review group also distinguished tai lored from personalized materials, with tailored materials defined as those "...prepared for and targeted at particular groups of smokers (*e.g.*, over 60, stage of readiness to change)" and personalized materials defined as those "...adapted for characteristics of individual smokers based on questionnaire responses."

Data were not available to address all of the review hypotheses. Tables 7-3 and 7-4 summarize the odds ratios and confidence intervals for several comparisons related to the self-help versus no self-help hypotheses and to the impact of enhancements to self-help. Among the key conclusions from the Cochrane analysis are:

- There is little evidence that self-help materials, used on their own, were an effective means of aiding smoking cessation.
- Tailoring materials to the perceived needs of broadly defined groups did not have an effect.
- Personalizing materials to the individual appeared to have an effect. However, there is insufficient evidence regarding the spe cific elements of personalization that may be important.
- Increasing the intensity of self-help interventions via telephone counseling increases quit rates.

Table 7-3

Preliminary Results from Cochrane Tobacco Addiction Review Group Meta-Anal	ysis of Self-
Help versus No Self-Help	

Comparison	Peto OR [95% CI]	
Neither group face-to-face $(n = 9)$	1.05 [0.87-1.26]	
Both groups face-to-face $(n = 4)$	1.21 [0.97-1.52]	
Both groups face-to-face with advice $(n = 10)$	0.95 [0.78-1.18]	
Self-help vs. no self-help overall $(n = 23)$	1.06 [0.94-1.20]	

Table 7-4

Preliminary Results from Cochrane Tobacco Addiction Review Group Meta-Analysis of Enhancements to Self-Help

Comparison	Peto OR [95% CI]	
Additional written materials $(n = 4)$	1.02 [0.85-1.22]	
Additional video $(n = 2)$	0.70 [0.38-1.31]	
Tailored versus standard $(n = 2)$	1.14 [0.71-1.83]	
Personalized versus standard $(n = 6)$	1.55 [1.16-2.07]	
Additional phone follow-up $(n = 6)$	1.81 [0.67-1.31]	
Self-help + NRT versus NRT only $(n = 2)$	0.84 [0.67-1.31]	

Despite their intuitive appeal and positive results in **GENERAL CONCLUSIONS** individual studies, meta-analytic results strongly indicate that self-help materials for smoking cessation have not demonstrated significant advan tages over no-treatment control groups. In contrast to the discouraging results from comparing self-help to no self-help interventions, there are promising effects for minimal intervention programs that include personal ization of printed intervention messages and for providing self-help materi als along with supportive telephone counseling. Thus, although self-help materials may not significantly increase quit rates when used alone, they are so commonly a core component of minimal interventions that have been demonstrated to be effective that they may be a necessary component of these programs and may be useful for effectively delivering the personal ized and/or telephone counseling components of minimal interventions. To date, however, there are no randomized trials evaluating the impact of selfhelp adjuncts such as personalized feedback or telephone counseling with and without comprehensive self-help materials.

> Self-help materials have been evaluated with both volunteer and proac tively recruited (*i.e.*, nonvolunteer) samples of smokers. As more nonvolun teer, population-based studies are completed, the evidence suggests that simply distributing self-help materials to the general population of smokers is unlikely to significantly increase rates of cessation. It is noteworthy that, in many of these studies, the intervention group achieved the target quit rate (*i.e.*, the proportional outcome used to determine sample size and sta tistical power). The null results were due to equally impressive quit rates in the no-treatment control groups. One interpretation of this pattern is that the assessment components of these population-based studies have as large an intervention effect as the minimal intervention protocols being evaluat ed.

Despite the lack of empirical support for the effect of self-help materi als, it would be premature to recommend against their further dissemina tion. The meta-analyses summarized in this report do not address impor tant questions such as whether health care providers are more likely to advise their patients to quit smoking if they have written self-help materials to distribute or whether worksites are more likely to adopt and enforce nonsmoking policies if they can make self-help materials available to their employees who smoke. Ultimately, we need to examine and appreciate the potential value of self-help materials in the broader context of the social and organizational components of population-based strategies for smoking cessation.

REFERENCES

- Abrams, D.B., Emmons, K., Niaura, R.D., Goldstein, M.G., Sherman, C. Tobacco dependence: An integration of individual and public health per spectives. In The Annual Review of Addictions Treatment and Research (Vol. 1), P.E. Nathan, J.W. Langenbucher, B.S. McCrady and W. Frankenstein (editors). Elmsford, NY: Pergamon Press, 1991.
- Curry, S.J. Self-help interventions for smoking cessa tion. *Journal of Consulting and Clinical Psychology* 61: 790–803, 1993.
- Curry, S.J., McBride, C., Grothaus, L.C., Louie, D., Wagner, E.H. A randomized trial of self-help materials, personalized feedback and telephone counseling with non-volunteer smokers. *Journal* of Consulting and Clinical Psychology 63:1005–1014, 1995.
- Curry, S.J., Wagner, E.H., Grothaus, L.C. Evaluation of intrinsic and extrinsic motivation interven tions with a self-help smoking cessation program. *Journal of Consulting and Clinical Psychology* 59:318–324, 1991.

- Fiore, M.C., Novotny, T.F., Pierce, J.P., Giovino, G.A., Hatziandreu, E.J., Newcomb, P.A., Surawics, T.S., Davis, R.M. Methods used to quit smoking in the United States: Do cessation programs help? *Journal of the American Medical Association* 263:2760–2765, 1990.
- Lancaster, T., Stead, L.F. Self-help interventions for smoking cessation (Cochrane Review). In: *The Cochrane Library, Issue 2*, 1999. Oxford: Update Software. http://www.update-software.com/ ccweb/cochrane/revabstr/ab001118.htm
- Lichtenstein, E., Glasgow, R.E. Smoking cessation: What have we learned over the past decade? *Journal of Consulting and Clinical Psychology* 60:518–527, 1992.
- McBride, C.M., Curry, S.J., Grothaus, L.C., Rosner, D., Louie, D., Wagner, E.H. Use of self-help materials and smoking cessation among proac tively recruited and volunteer intervention par ticipants. *American Journal of Health Promotion* 12(5):321–324, 1998.