STEP One: ASK about Tobacco Use

Suggested Dialogue

- \checkmark Do you ever smoke or use other types of tobacco or nicotine, such as e-cigarettes?
 - I take time to talk with all of my patients about tobacco use—because it's important.
- ✓ Condition X often is caused or worsened by exposure to tobacco smoke. Do you, or does someone in your household smoke?
- ✓ Medication X often is used for conditions linked with or caused by smoking. Do you, or does someone in your household smoke?

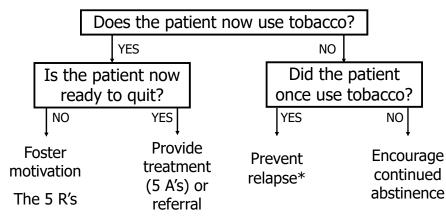
STEP Two: ADVISE to Quit

Suggested Dialogue

- Quitting is the most important thing you can do to protect your health now and in the future. I have training to help my patients quit, and when you are ready I would be more than happy to work with you to design a treatment plan.
- Prior to imparting advice, consider asking the patient for permission to do so e.g., "May I tell you why this concerns me?" [then elaborate on patient-specific concerns]

STEP Three: ASSESS Readiness to Quit

- Suggested Dialogue
- For current tobacco users: What are your thoughts about quitting? Might you consider quitting sometime in the next month?



* Relapse prevention interventions are not necessary if patient has not used tobacco for many years and is not at risk for re-initiation.

Fiore MC, Jaén CR, Baker TB, et al. *Treating Tobacco Use and Dependence: 2008 Update.* Clinical Practice Guideline. Rockville, MD: U.S. Department of Health and Human Services. Public Health Service. May 2008.

STEP Four: ASSIST with Quitting

✓ Assess Tobacco Use History

- Current use: type(s) of tobacco used, amount
- Past use:
- Duration of tobacco use
- Changes in levels of use recently
- Past quit attempts:
- Number of attempts, date of most recent attempt, duration
- Methods used previously—What did or didn't work? Why or why not?
- Prior medication administration, dose, adherence, duration of treatment
- Reasons for relapse
- ✓ Discuss Key Issues (for the upcoming or current quit attempt)
- Reasons/motivation for wanting to quit (or avoid relapse)
- Confidence in ability to quit (or avoid relapse)
- Triggers for tobacco use
- Routines and situations associated with tobacco use
- Stress-related tobacco use
- Concerns about weight gain
- Concerns about withdrawal symptoms

✓ Facilitate Quitting Process

- Discuss methods for quitting: pros and cons of the different methods
- Set a quit date: ideally, less than 2 weeks away
- Recommend Tobacco Use Log
- Discuss coping strategies (cognitive, behavioral)
- Discuss withdrawal symptoms
- Discuss concept of "slip" versus relapse
- Provide medication counseling: adherence, proper use, with demonstration
- Offer to assist throughout the quit attempt
- Evaluate the Quit Attempt (at follow-up)
- Status of attempt
- "Slips" and relapse
- Medication compliance and plans for discontinuation

STEP Five: ARRANGE Follow-up Counseling

- ✓ Monitor patients' progress throughout the quit attempt. Follow-up contact should occur during the first week after quitting. A second follow-up contact is recommended in the first month. Additional contacts should be scheduled as needed. Counseling contacts can occur face-to-face, by telephone, or by e-mail. Keep patient progress notes.
- \checkmark Address temptations and triggers; discuss strategies to prevent relapse.
- ✓ Congratulate patients for continued success.







WITHDRAWAL SYMPTOMS INFORMATION SHEET

Quitting tobacco use brings about a variety of physical and psychological withdrawal symptoms. For some people, coping with withdrawal symptoms is like riding a roller coaster—there may be sharp turns, slow climbs, and unexpected plunges. **Most symptoms manifest within the first 1 to 2 days, peak within the first week, and subside within 2 to 4 weeks.** Report new symptoms to your health-care provider, especially if severe. Consider the impact of recent medication changes and your caffeine intake.

SYMPTOM	CAUSE	DURATION	Relief
Chest tightness	Tightness is likely due to tension created by the body's need for nicotine or may be caused by sore muscles from coughing.	A few days	Use relaxation techniquesTry deep breathingUse of NRT may help
Constipation, stomach pain, gas	Intestinal movement decreases for a brief period.	1–2 weeks	 Drink plenty of fluids Add fruits, vegetables, and whole-grain cereals to diet
Cough, dry throat, nasal drip	The body is getting rid of mucus, which has blocked airways and restricted breathing.	A few days	Drink plenty of fluidsAvoid additional stress during first few weeks
Craving for a cigarette	Nicotine is a strongly addictive drug, and withdrawal causes cravings.	Frequent for 2–3 days; can happen for months or years	 Wait out the urge, which lasts only a few minutes Distract yourself Exercise (take walks) Use of a nicotine medication may help
Depressed mood	It is normal to feel sad for a period of time after you first quit smoking. Many people have a strong urge to smoke when they feel depressed.	1–2 weeks	 Increase pleasurable activities Talk with your clinician about changes in your mood when quitting Get extra support from friends and family
Difficulty concentrating	The body needs time to adjust to not having constant stimulation from nicotine.	A few weeks	 Plan workload accordingly Avoid additional stress during first few weeks
Dizziness	The body is getting extra oxygen.	1–2 days	Use extra cautionChange positions slowly
Fatigue	Nicotine is a stimulant.	2–4 weeks	Take napsDo not push yourselfUse of a nicotine medication may help
Hunger	Cravings for a cigarette can be confused with hunger pangs; sensation may result from oral cravings or the desire for something in the mouth.	Up to several weeks	Drink water or low-calorie liquidsBe prepared with low-calorie snacks
Insomnia	Nicotine affects brain wave function and influences sleep patterns; coughing and dreams about smoking are common.	1 week	 Limit caffeine intake (and none after 12 noon), because its effects will increase with quitting smoking Use relaxation techniques
Irritability	The body's craving for nicotine can produce irritability.	2–4 weeks	Take walksTry hot bathsUse relaxation techniques
	Adapted from materials from	n the National Car	ncer Institute.



Refor Change FAGERSTRÖM TEST FOR NICOTINE DEPENDENCE (ADULTS)

1.	How soon after you wake up do you smoke your first cigarette?	<u>Score</u>
	Within 5 minutes	3
	□ 6–30 minutes	2
	□ 31–60 minutes	1
	After 60 minutes	0
2.	(e.g., in church, at the library, in cinema)?	
	Yes	1
	□ No	0
3.	Which cigarette would you hate most to give up?	
	The first one in the morning	1
	Any other	0
4.	How many cigarettes/day do you smoke?	
	□ 10 or less	0
	□ 11–20	1
	□ 21–30	
	□ 31 or more	3
5.	rest of the day?	_
	Yes	1
	□ No	0
6.	Do you smoke if you are so ill that you are in bed most of the day?	
	Yes	1
	□ No	0

Total Score:

Heatherton TF, Kozlowski LT, Frecker RC, Fagerström K-O. The Fagerström Test for Nicotine Dependence: a revision of the Fagerström Tolerance Questionnaire. *Br J Addict* 1991;86:1119–1127.

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Refor Change Modified FAGERSTRÖM TOLERANCE QUESTIONNAIRE (ADOLESCENTS)

1.	How many cigarettes a day do you smoke?	<u>Score</u>
	Over 26 cigarettes a day	2
	About 16–25 cigarettes a day	1
	About 1–15 cigarettes a day	0
	Less than 1 a day	0
2.	Do you inhale?	
	Always	2
	Quite often	1
	Seldom	1
	Never	0
3.	How soon after you wake up do you smoke your first cigarette?	
	Within the first 30 minutes	1
	More than 30 minutes after waking but before noon	0
	In the afternoon	0
	In the evening	0
4.	Which cigarette would you hate to give up?	
	First cigarette in the morning	1
	Any other cigarette before noon	
	Any other cigarette afternoon	
	Any other cigarette in the evening	0
5.	Do you find it difficult to refrain from smoking in places where it is forbidden (e.g., ch library, movies)?	urch,
	Yes, very difficult	1
	Yes, somewhat difficult	1
	No, not usually difficult	0
	No, not at all difficult	0
6.	Do you smoke if you are so ill that you are in bed most of the day?	
	Yes, always	1
	Yes, quite often	
	No, not usually	0
	No, never	
7.	Do you smoke more during the first 2 hours than during the rest of the day?	
	□ Yes	1
	□ No	
		_
	Total Score:	

Prokhorov AV, Pallonen UE, Fava JL, Ding L, Niaura R. Measuring nicotine dependence among high-risk adolescent smokers. *Addict Behav* 1996;21(1):117–127.

Prokhorov AV, Koehly LM, Pallonen UE, Hudmon KS. Adolescent nicotine dependence measuring by the modified Fagerström Tolerance Questionnaire at two time points. *J Child Adolesc Subst Abuse* 1998;7(4):35–47.



Refor Change SMOKELESS TOBACCO DEPENDENCE SCALE

1.	How many tins or pouches of smokeless tobacco do you typically use <u>Score</u> each week?
	1 or less each week0
	□ 2–4 each week
	□ 5 or more each week2
2.	How often do you use smokeless tobacco?
	□ 1 day each week or less0
	 2-5 days each week
3.	
	□ No0 □ Yes1
4.	Do you use smokeless tobacco when you are sick or have mouth sores?
	□ No0 □ Yes1
5.	How soon after waking from your normal sleeping period do you use chewing tobacco or snuff?
	After 30 minutes of waking0
	Within 30 minutes of waking
6.	Do you smoke cigarettes?
	□ No0
	□ Yes1
7.	Is it difficult for you not to use smokeless tobacco where its use is restricted or not allowed?
	□ No0
	□ Yes1

Total Score:

Severson HH, Hatsukami D. Smokeless tobacco cessation. Primary Care 1999;26(3):529-551.

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DRUG INTERACTIONS WITH TOBACCO SMOKE

Many interactions between tobacco smoke and medications have been identified. Note that in most cases it is the tobacco smoke—not the nicotine—that causes these drug interactions. Tobacco smoke interacts with medications through pharmacokinetic (PK) and pharmacodynamic (PD) mechanisms. PK interactions affect the absorption, distribution, metabolism, or elimination of other drugs, potentially causing an altered pharmacologic response. The majority of PK interactions with smoking are the result of induction of hepatic cytochrome P450 enzymes (primarily CYP1A2). Smokers may require higher doses of medications that are CYP1A2 substrates. Upon cessation, dose reductions might be needed. PD interactions alter the expected response or actions of other drugs. The amount of tobacco smoking needed to have an effect has not been established, and the assumption is that any smoker is susceptible to the same degree of interaction. **The most clinically significant interactions are depicted in the shaded rows.**

DRUG/CLASS	MECHANISM OF INTERACTION AND EFFECTS			
Pharmacokinetic Interactions				
Alprazolam (Xanax®)	 Conflicting data on significance, but possible ↓ plasma concentrations (up to 50%); ↓ half-life (35%). 			
Bendamustine (Treanda®)	 Metabolized by CYP1A2. Manufacturer recommends using with caution in smokers due to likely ↓ bendamustine concentrations, with ↑ concentrations of its two active metabolites. 			
Caffeine	 ↑ Metabolism (induction of CYP1A2); ↑ clearance (56%). Caffeine levels likely ↑ after cessation. 			
Chlorpromazine (Thorazine [®])	 ↓ Area under the curve (AUC) (by 36%) and serum concentrations (by 24%). ↓ Sedation and hypotension possible in smokers; smokers may require ↑ dosages. 			
Clopidogrel (Plavix®)	 ↑ Metabolism (induction of CYP1A2) of clopidogrel to its active metabolite. Clopidogrel's effects are enhanced in smokers (≥10 cigarettes/day): significant ↑ platelet inhibition, ↓ platelet aggregation; while improved clinical outcomes have been shown, may also ↑ risk of bleeding. 			
Clozapine (Clozaril®)	 ↑ Metabolism (induction of CYP1A2); ↓ plasma concentrations (by 18%). ↑ Levels upon cessation may occur; closely monitor drug levels and reduce dose as required to avoid toxicity. 			
Erlotinib (Tarceva®)	• \uparrow Clearance (24%); \downarrow trough serum concentrations (2-fold).			
Flecainide (Tambocor®)	 ↑ Clearance (61%); ↓ trough serum concentrations (by 25%). Smokers may need ↑ dosages. 			
Fluvoxamine (Luvox [®])	 ↑ Metabolism (induction of CYP1A2); ↑ clearance (24%); ↓ AUC (31%); ↓ Cmax (by 32%) and Css (by 39%). Dosage modifications not routinely recommended but smokers may need ↑ dosages. 			
Haloperidol (Haldol®)	 ↑ Clearance (44%); ↓ serum concentrations (70%); data are inconsistent therefore clinical significance is unclear. 			
Heparin	 Mechanism unknown but ↑ clearance and ↓ half-life are observed. Smoking has prothrombotic effects. Smokers may need ↑ dosages due to PK and PD interactions. 			
Insulin, subcutaneous	 Possible ↓ insulin absorption secondary to peripheral vasoconstriction. Smoking may cause release of endogenous substances that cause insulin resistance. PK & PD interactions likely not clinically significant, but smokers may need ↑ dosages. 			
Irinotecan (Camptosar [®])	 ↑ Clearance (18%); ↓ serum concentrations of active metabolite, SN-38 (~40%; via induction of glucuronidation); ↓ systemic exposure resulting in lower hematologic toxicity and may reduce efficacy. Smokers may need ↑ dosages. 			
Methadone	 Possible ↑ metabolism (induction of CYP1A2, a minor pathway for methadone). Carefully monitor response upon cessation. 			
Mexiletine (Mexitil®)	• \uparrow Clearance (25%; via oxidation and glucuronidation); \checkmark half-life (36%).			
Olanzapine (Zyprexa®)	 ↑ Metabolism (induction of CYP1A2); ↑ clearance (98%); ↓ serum concentrations (by 12%). Dosage modifications not routinely recommended but smokers may need ↑ dosages. 			

Pharmacokinetic Interaction	ons (continued)
DRUG/CLASS	MECHANISM OF INTERACTION AND EFFECTS
Propranolol (Inderal®)	 ↑ Clearance (77%; via side-chain oxidation and glucuronidation).
Riociguat (Adempas [®])	 ↓ Plasma concentrations (by 50–60%). Smokers may require dosages higher than 2.5 mg three times a day; consider dose reduction upon cessation.
Ropinirole (Requip [®])	 ↓ Cmax (by 30%) and AUC (by 38%) in study with patients with restless legs syndrome. Smokers may need ↑ dosages.
Tacrine (Cognex®)	 ↑ Metabolism (induction of CYP1A2); ↓ half-life (50%); serum concentrations 3-fold lower. Smokers may need ↑ dosages.
Tasimelteon (Hetlioz®)	 ↑ Metabolism (induction of CYP1A2); drug exposure ↓ by 40%. Smokers may need ↑ dosages.
Theophylline (Theo-Dur [®] , etc.)	 ↑ Metabolism (induction of CYP1A2); ↑ clearance (58–100%); ↓ half-life (63%). Levels should be monitored if smoking is initiated, discontinued, or changed. Maintenance doses are considerably higher in smokers; ↑ clearance also with second-hand smoke exposure.
Tizanidine (Zanaflex®)	• \downarrow AUC (30–40%) and \downarrow half-life (10%) observed in male smokers.
Tricyclic antidepressants (e.g., imipramine, nortriptyline)	 Possible interaction with tricyclic antidepressants in the direction of ↓ blood levels, but the clinical significance is not established.
Warfarin	 Metabolism (induction of CYP1A2) of R-enantiomer; however, S-enantiomer is more potent and effect on INR is inconclusive. Consider monitoring INR upon smoking cessation.
Pharmacodynamic Interac	tions
Benzodiazepines (diazepam, chlordiazepoxide)	 ↓ Sedation and drowsiness, possibly caused by nicotine stimulation of central nervous system.
Beta-blockers	 Less effective BP and heart rate control effects; possibly caused by nicotine-mediated sympathetic activation. Smokers may need ↑ dosages.
Corticosteroids, inhaled	 Smokers with asthma may have less of a response to inhaled corticosteroids.
Hormonal contraceptives (combined)	 ↑ Risk of cardiovascular adverse effects (e.g., stroke, myocardial infarction, thromboembolism) in women who smoke and use combined hormonal contraceptives. Ortho Evra patch users shown to have 2-fold ↑risk of venous thromboembolism compared with oral contraceptive users, likely due to ↑ estrogen exposure (60% higher levels). ↑ Risk with age and with heavy smoking (≥15 cigarettes per day) and is quite marked in women ≥35 years old.
Serotonin 5-HT₁ receptor agonists (triptans)	 This class of drugs may cause coronary vasospasm; caution for use in smokers due to possible unrecognized CAD.
	Zevin S, Benowitz NL. Drug interactions with tobacco smoking. An update. <i>Clin Pharmacokinet</i> LA. Drug interactions with smoking. <i>Am J Health-Syst Pharm</i> 2007;64:1917-21.



The Tobacco Use Log can help patients to identify activities or situations that trigger the desire to smoke or use other forms of tobacco. It is important for patients to understand these environmental cues so that they can develop coping strategies to overcome the temptation to use tobacco. Clinicians can use this information to suggest alternative behaviors to increase the likelihood of a successful quit attempt. The log is most appropriate for patients who are preparing for a quit attempt, but it can be used with any patient who wants to learn more about his or her smoking behavior.

Instructions for use:

The Tobacco Use Log is a piece of paper that is kept with the patient's tobacco. It can be folded and wrapped around the cigarette pack or can of snuff with a rubber band. Alternatively, patients may keep the log in their wallet or day planner. It is important that the log be readily available at the times when the patient uses the tobacco. Through careful documentation of tobacco use over a period of several days, patient-specific tobacco usage patterns become evident.

- 1. Instruct the patient to continue his or her regular tobacco use for a period of *at least three days* (including one non-work day). It is preferable to complete the *Tobacco Use Log* for *seven consecutive days*, because usage patterns might fluctuate as a function of the day of the week (e.g. weekends vs. work days). The patient should not attempt to reduce his or her tobacco use during this time. The intent is to document current tobacco use habits and patterns, so that the patient can understand the triggers and situations associated with his or her tobacco use.
- 2. The following information should be noted in the Tobacco Use Log **each time** tobacco is used:
 - **Time** of day (indicate AM or PM)
 - Description of the **activity**/situation **at the time of** tobacco use (e.g., were others present?)
 - **Need rating** of the patient's perceived importance of using tobacco, at that time, using the following scale:

Not very important (would <i>not</i> have missed it)	Moderately important	Very important (would have missed it a great deal)
1	2	3

- 3. The patient should use a separate log sheet each day. *Note: Heavy tobacco users will require more than one log sheet per day.*
- 4. Just prior to the quit date, review the Tobacco Use Log with the patient to identify specific situations that trigger tobacco use. Additionally, discuss specific cognitive and behavioral strategies to prevent relapse.

Adapted from The Wrap Sheet and The Daily Cigarette Count (Wrap Sheet). In: The Washington State Pharmacists Association, *Smoking Cessation Training: Pharmacists Becoming Smoking Cessation Counselors*, 1997, pp. 3, 25.



	Time	Describe the situation/activity at the time of this tobacco use.	Nee	ed Rati	ng ber*
1.			1	2	3
2.			1	2	3
3.			1	2	3
4.			1	2	3
5.			1	2	3
6.			1	2	3
7.			1	2	3
8.			1	2	3
9.			1	2	3
10.			1	2	3
11.			1	2	3
12.			1	2	3
13.			1	2	3
14.			1	2	3
15.			1	2	3
16.			1	2	3
17.			1	2	3
18.			1	2	3
19.			1	2	3
20.			1	2	3

*Need RATING: Rate the importance of your need to use tobacco for each instance of use—based on the following scale:

Not very important (would <i>not</i> have missed it)	Moderately important	Very important (would have missed it a great deal)
1	2	3



COPING WITH QUITTING: COGNITIVE AND BEHAVIORAL STRATEGIES

COGNITIVE STRATEGIES focus on retraining the way a patient thinks. Often, patients will deliberate on the fact that they are thinking about a cigarette, and this leads to relapse. Patients must recognize that thinking about a cigarette doesn't mean they need to have one.

REVIEW COMMITMENT TO QUIT	Each morning, say, "I am proud that I made it through another day without tobacco!" Remind oneself that cravings and temptations are temporary and will pass. Announce, either silently or aloud, "I am a nonsmoker, and the temptation will pass."
DISTRACTIVE THINKING	Use deliberate, immediate refocusing of thinking toward other thoughts when cued by thoughts about tobacco use.
POSITIVE SELF-TALKS, PEP TALKS	Say, "I can do this," and remind oneself of previous difficult situations in which tobacco use was avoided.
RELAXATION THROUGH IMAGERY	Center mind toward positive, relaxing thoughts.
MENTAL REHEARSAL, VISUALIZATION	Prepare for situations that might arise by envisioning how best to handle them. For example, envision what would happen if offered a cigarette by a friend—mentally craft and rehearse a response, and perhaps even practice it by saying it aloud.

BEHAVIORAL STRATEGIES involve specific actions to reduce risk for relapse. These strategies should be considered prior to quitting, after determining patient-specific triggers and routines or situations associated with tobacco use. Below are strategies for several of the more common cues or causes for relapse.

Stress	Anticipate upcoming challenges at work, at school, or in personal life. Develop a substitute plan for tobacco use during times of stress (e.g., use deep breathing, take a break or leave the situation, call a supportive friend or family member, use nicotine replacement therapy).
ALCOHOL	<i>Drinking alcohol can lead to relapse.</i> Consider limiting or abstaining from alcohol during the early stages of quitting.
OTHER TOBACCO USERS	Quitting is more difficult if the patient is around other tobacco users. This is especially difficult if another tobacco user is in the household. During the early stages of quitting, limit prolonged contact with individuals who are using tobacco. Ask co-workers, friends, and housemates not to smoke or use tobacco in your presence.
ORAL GRATIFICATION NEEDS	Have nontobacco oral substitutes (e.g., gum, sugarless candy, straws, toothpicks, lip balm, toothbrush, nicotine replacement therapy, bottled water) readily available.
AUTOMATIC SMOKING ROUTINES	Anticipate routines associated with tobacco use and develop an alternative plan. Examples: MORNING COFFEE: change morning routine, take shower before drinking coffee, drink tea instead of coffee, take a brisk walk shortly after awakening. WHILE DRIVING: remove all tobacco from car, have car interior detailed, listen to an audio book or talk radio, use oral substitutes. WHILE ON THE PHONE: stand while talking, limit call duration, change phone location, keep hands occupied by doodling or sketching. AFTER MEALS: get up and immediately do dishes or take a brisk walk after eating, brush teeth, call supportive friend.
POSTCESSATION WEIGHT GAIN	Do not attempt to modify multiple behaviors at one time. If weight gain is a barrier to quitting, engage in regular physical activity and adhere to a healthful diet (as opposed to strict dieting). Carefully plan and prepare meals, increase fruit and water intake to create a feeling of fullness, and chew sugarless gum or eat sugarless candies. Consider use of pharmacotherapy shown to delay weight gain.
CRAVINGS FOR TOBACCO	Cravings for tobacco are temporary and usually pass within 5–10 minutes. Handle cravings through distractive thinking, take a break, do something else, take deep breaths.



PLANNING FOR CHANGE: THINKING ABOUT QUITTING

(PAGE 1 OF 2)

Understanding the reasons why you smoke, in addition to considering your smoking patterns and routines, are important to the design of a successful quitting plan. Consider the following before you quit:

WHY DO I STILL SMOKE?				
My top 3 reasons for continuing to	(1)			
smoke are:	(2)			
	(3)			
WHY IS QUITTING IMPORTANT?				
My top 3 reasons for wanting to	(1)			
quit smoking are:	(2)			
	(3)			
WHAT WERE YOUR MAIN DIFFICULTIES WI	TH QUITTING IN THE PAST?			
My top 3 difficulties with quitting	(1)			
in the past were:	(2)			
	(3)			
WHAT ARE YOUR BARRIERS TO QUITTING	SNOW?			
My top 3 barriers to quitting now	(1)			
are:	(2)			
	(3)			
WHAT IS THE WORST THING THAT COULD HAPPEN TO YOU IF YOU QUIT SMOKING FOR GOOD?				
ARE YOU READY TO QUIT NOW? (WITHIN THE NEXT MONTH)				
If YES, what will be your official quit date?// (ENTER DATE)				
If NO, how might it benefit you to quit sooner (instead of later)?				
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PLANNING FOR CHANGE: GETTING READY TO QUIT

(PAGE 2 OF 2)

Smokers don't plan to fail. Most *fail* to plan. To plan for quitting, you should: (1) identify triggers for smoking and how to cope with them, (2) identify persons to help you throughout your quit attempt, and (3) choose the best methods—for you—for quitting.

WHAT ARE YOUR THREE MAIN TRIGGERS OR SITUATIONS FOR SMOKING?

To deal with situations when you feel the urge to smoke, you should (1) identify the trigger situation, (2) change what you do or how you do it, and (3) change the thoughts that trigger the desire to smoke.

Trigger #1:	I will change what I do in this situation by:
	 I will change how I think in this situation by:
Trigger #2:	• I will change <i>what I do</i> in this situation by:
	 I will change how I think in this situation by:
Trigger #3:	I will change what I do in this situation by:
	 I will change how I think in this situation by:
WHO WILL HELP YOU WITH QUITTING?	
My top 3 persons who will have a	(1)
positive influence on my ability to quit for good:	(2)
	(3)

WHAT FORM OF COUNSELING ASSISTANCE WILL YOU RECEIVE WHILE QUITTING?

WHAT MEDICATION(S) WILL YOU USE FOR QUITTING, AND HOW WILL YOU USE THEM?

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RELAPSED SMOKERS WHO ARE READY TO TRY AGAIN: WHAT TO DO? A 3-STEP PROTOCOL FOR CLINICIANS (PAGE 1 OF 2)

Many smokers who relapse do so because they fail to plan. Often, patients think that they can simply "make" themselves quit and do not avail themselves of the many proven behavior change programs provided by various sources. Furthermore, most smokers do not use a cessation medication or, if they do, they use it incorrectly. Generally speaking, patients significantly under-dose or stop pharmacologic therapy too soon.

You can help relapsed smokers regain abstinence by encouraging them to <u>learn</u> from their prior experiences rather than use those experiences as proof that they cannot quit. To underscore this perspective, inform patients that the best way to quit smoking is to combine a behavior change program with a cessation medication. The following **3-step protocol** will help you provide this information in an efficient, effective manner for patients who are ready to try again:

STEP 1: ASK

- "TELL ME ABOUT YOUR LAST QUIT ATTEMPT(S)."
- "DID YOU USE A SMOKING CESSATION MEDICATION?"
 - If yes: "EXPLAIN HOW YOU USED YOUR MEDICATION."
 - Reinforce proper usage/ rectify incorrect usage or dosage
 - If no: "What was your reasoning for not using a medication?"
- "DID YOU RECEIVE ANY PROFESSIONAL ADVICE OR ENROLL IN A BEHAVIOR CHANGE PROGRAM?"
 - If yes: "Tell me what you liked, or didn't like about the assistance you received."
 - If no: "What was your reasoning for not seeking advice or enrolling in a program?"

STEP 2: ADVISE

 "ACCORDING TO THE MOST CURRENT RESEARCH, THE BEST WAY TO QUIT IS TO COMBINE A SMOKING CESSATION MEDICATION WITH A BEHAVIORAL PROGRAM."

NOTE: Examples of behavior change programs are listed on the reverse side, under the "Refer" section of the protocol.

- "LET'S DISCUSS WHICH MEDICATION(S) WOULD BE BEST FOR YOU."
- Review current level of tobacco use, past usage of medications, personal preference, precautions/contraindications, etc. to determine best product for current quit attempt.

NOTE: Refer to the Rx for Change *Pharmacologic Product Guide* for dosing instructions, etc. for FDA-approved smoking cessation medications.

- Consider the following options:
 - If prior medication was used correctly, was well tolerated, and appeared to have been effective, consider repeating the same medication regimen in conjunction with an enhanced behavioral program.
 - If prior medication was used incorrectly, carefully review usage instructions.
 - If prior medication was used correctly but did not control urges/withdrawal, or if patient prefers something new, review other medication options, including both single and combination therapy:

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A 3-STEP PROTOCOL FOR CLINICIANS (PAGE 2 OF 2)

Combination therapy is off-label for some combinations of medications, but it is supported by multiple clinical trials and the *Clinical Practice Guideline for Treating Tobacco Use and Dependence* (p. 118):

- *Safe:* Most smokers are highly tolerant to nicotine from years of smoking. Side effects are rare and easily mitigated by reducing or stopping use.
- *Effective:* Especially in those who failed with one medication. Also useful in patients who are heavily dependent (2 or more packs/day).

Suggested combinations:

- Nicotine patch + ad libitum gum, lozenge, inhaler, or nasal spray as needed for breakthrough urges.
- Sustained-release bupropion (Zyban) + nicotine patch

Currently, varenicline (Chantix) is not recommended for combination therapy.

STEP 3: REFER

The amount of counseling that patients receive is linearly related to their success in quitting. More counseling contacts yield higher quit rates. If you do not have the time or expertise to assist patients with quitting and to provide follow-up counseling, refer patients to other resources:

• To a behavior change program:

"HERE ARE SOME SUGGESTIONS. WHICH DO YOU THINK WOULD WORK BEST FOR YOU?"

- 1 800 QUIT NOW, the national toll-free telephone quit line
- All products are accompanied by a free behavior change program: Refer to usage instructions for enrollment procedures
- Hospital-based or other local resources (e.g., a group program)
- www.quitnet.com, an on-line tobacco cessation support program
- smokefree.gov, an on-line guide for quitting
- American Lung Association, American Cancer Society, or American Heart Association web-sites or cessation programs (e.g., American Lung Association's *Freedom From Smoking* group cessation program)
- Local pharmacist, physician, or other health-care provider specializing in cessation
- To a community pharmacist:
 - "WHEN YOU PURCHASE YOUR SMOKING CESSATION MEDICATION, PLEASE TAKE A FEW MINUTES TO DISCUSS PROPER USAGE WITH THE PHARMACIST, EVEN IF IT IS A PRODUCT YOU HAVE USED IN THE PAST. PROPER USAGE WILL GIVE YOU THE BEST CHANCE OF SUCCESS."
- To other staff:

 If you have dedicated cessation staff within your clinic or health-care organization, refer patient to these resources for follow-up counseling.

For more information, see Fiore MC, Jaén CR, Baker TB, et al. (2008). *Treating Tobacco Use and Dependence: 2008 Update. Clinical Practice Guideline.* Rockville, MD: U.S. Department of Health and Human Services. Public Health Service. Available at: www.surgeongeneral.gov/tobacco. For complete prescribing information, please refer to the manufacturers' package inserts.



PHARMACOLOGIC PRODUCT GUIDE: FDA-Approved Medications for Smoking Cessation

	NICOTINE REPLACE	ment Therapy (NRT) Formula	TIONS			
Guм	Lozenge	TRANSDERMAL PATCH	NASAL SPRAY	Oral Inhaler	BUPROPION SR	VARENICLINE
 Nicorette ¹ , ZONNIC ² , Generic OTC 2 mg, 4 mg original, cinnamon, fruit, mint	Nicorette Lozenge, ¹ Nicorette Mini Lozenge, ¹ Generic OTC 2 mg, 4 mg; cherry, mint	NicoDerm CQ ¹ , Generic OTC (NicoDerm CQ, generic) Rx (generic) 7 mg, 14 mg, 21 mg (24-hr release)	Nicotrol NS ³ Rx Metered spray 10 mg/mL aqueous solution	Nicotrol Inhaler ³ Rx 10 mg cartridge delivers 4 mg inhaled vapor	Zyban ¹ , Generic Rx 150 mg sustained-release tablet	Chantix ³ Rx 0.5 mg, 1 mg tablet
 Recent (≤ 2 weeks) myocardial infarction Serious underlying arrhythmias Serious or worsening angina pectoris Temporomandibular joint disease Pregnancy⁴ and breastfeeding Adolescents (<18 years) 	 Recent (≤ 2 weeks) myocardial infarction Serious underlying arrhythmias Serious or worsening angina pectoris Pregnancy⁴ and breastfeeding Adolescents (<18 years) 	 Recent (≤ 2 weeks) myocardial infarction Serious underlying arrhythmias Serious or worsening angina pectoris Pregnancy⁴ (Rx formulations, category D) and breastfeeding Adolescents (<18 years) 	 Recent (≤ 2 weeks) myocardial infarction Serious underlying arrhythmias Serious or worsening angina pectoris Underlying chronic nasal disorders (rhinits, nasal polyps, sinusitis) Severe reactive airway disease Pregnancy⁴ (category D) and breastfeeding Adolescents (<18 years) 	 Recent (≤ 2 weeks) myocardial infarction Serious underlying arrhythmias Serious or worsening angina pectoris Bronchospastic disease Pregnancy⁴ (category D) and breastfeeding Adolescents (<18 years) 	 Concomitant therapy with medications/conditions known to lower the seizure threshold Hepatic impairment Pregnancy⁴ (category C) and breastfeeding Adolescents (<18 years) Treatment-emergent neuropsychiatric symptoms⁵: BOXED WARNING REMOVED 12/2016 Contraindications: Seizure disorder Concomitant bupropion (e.g., Wellbutrin) therapy Current or prior diagnosis of bulimia or anorexia nervosa Simultaneous abrupt discontinuation of alcohol or sedatives/benzodiazepines MAO inhibitors in preceding 14 days; concurrent use of reversible MAO inhibitors 	 Severe renal impairment (dosage adjustment is necessary) Pregnancy⁴ (category C) and breastfeeding Adolescents (<18 years) Treatment-emergent neuropsychiatric symptoms⁵: BOXED WARNING REMOVED 12/2016
 1st cigarette ≤30 minutes after waking: 4 mg 1st cigarette >30 minutes after waking: 2 mg Weeks 1–6: 1 piece q 1–2 hours Weeks 10–12: 1 piece q 2–4 hours Weeks 10–12: 1 piece q 4–8 hours Maximum, 24 pieces/day Chew each piece slowly Park between cheek and gum when peppery or tingling sensation appears (~15–30 chews) Resume chewing when tingle fades Repeat chew/park steps until most of the nicotine is gone (tingle does not return; generally 30 min) Park in different areas of mouth No food or beverages 15 minutes before or during use Duration: up to 12 weeks 	 1st cigarette ≤30 minutes after waking: 4 mg 1st cigarette >30 minutes after waking: 2 mg Weeks 1–6: 1 lozenge q 1–2 hours Weeks 1–9: 1 lozenge q 2–4 hours Weeks 10–12: 1 lozenge q 4–8 hours Maximum, 20 lozenges/day Allow to dissolve slowly (20–30 minutes for standard; 10 minutes for mini) Nicotine release may cause a warm, tingling sensation Do not chew or swallow Occasionally rotate to different areas of the mouth No food or beverages 15 minutes before or during use Duration: up to 12 weeks 	 >10 ciqarettes/day: 21 mg/day x 4-6 weeks 14 mg/day x 2 weeks 7 mg/day x 2 weeks <a a="" as="" href="mailto:signace-system: signace-system: signace-system-system: signace-system: signace-system-system: signace-system-system: signace-system-system: signace-system-system: signace-system-system: signace-system-system-system: signace-system-system: signace-system-s</td><td> 1-2 doses/hour
(8-40 doses/day) One dose = 2 sprays (one in
each nostril); each spray
delivers 0.5 mg of nicotine to
the nasal mucosa Maximum 5 doses/hour or 40 doses/day For best results, initially
use at least 8 doses/day Do not sniff, swallow, or
inhale through the nose
as the spray is being
administered Duration: 3-6 months </td><td> 6–16 cartridges/day
Individualize dosing; initially
use 1 cartridge q 1–2 hours Best effects with continuous
puffing for 20 minutes Initially use at least 6
cartridges/day Nicotine in cartridge is
depleted after 20 minutes of
active puffing Inhale into back of throat or
puff in short breaths Do NOT inhale into the
lungs (like a cigarette) but
" if="" li="" lighting="" pipe<="" puff"=""> Open cartridge retains potency for 24 hours No food or beverages 15 minutes before or during use Duration: 3–6 months 	 150 mg po q AM x 3 days, then 150 mg po bid Do not exceed 300 mg/day Begin therapy 1–2 weeks prior to quit date Allow at least 8 hours between doses Avoid bedtime dosing to minimize insomnia Dose tapering is not necessary Duration: 7–12 weeks, with maintenance up to 6 months in selected patients 	 Days 1–3: 0.5 mg po q , Days 4–7: 0.5 mg po bi Weeks 2–12: 1 mg po bid Begin therapy 1 week pr to quit date Take dose after eating a with a full glass of water Dose tapering is not necessary Dosing adjustment is necessary for patients w severe renal impairment Duration: 12 weeks; an additional 12-week cours may be used in selected patients May initiate up to 35 day before target quit date O may reduce smoking ow 12-week period of treatment prior to quitting and continue treatment f an additional 12 weeks 		

	NICOTINE REPLACEMENT THERAPY (NRT) FORMULATIONS							
	Guм	Lozenge	TRANSDERMAL PATCH	NASAL SPRAY	Oral Inhaler	BUPROPION SR	VARENICLINE	
ADVERSE EFFECTS	 Mouth/jaw soreness Hiccups Dyspepsia Hypersalivation Effects associated with incorrect chewing technique: Lightheadedness Nausea/vomiting Throat and mouth irritation 	 Mouth irritation Nausea Hiccups Heartburn Headache Sore throat Dizziness 	 Local skin reactions (erythema, pruritus, burning) Headache Sleep disturbances (insomnia, abnormal/vivid dreams); associated with nocturnal nicotine absorption 	 Nasal and/or throat irritation (hot, peppery, or burning sensation) Rhinitis Tearing Sneezing Cough Headache 	 Mouth and/or throat irritation Cough Headache Rhinitis Dyspepsia Hiccups 	 Insomnia Dry mouth Nervousness/difficulty concentrating Nausea Dizziness Constipation Rash Seizures (risk is 0.1%) Neuropsychiatric symptoms (rare; see PRECAUTIONS) 	 Nausea Sleep disturbances (insomnia, abnormal/vivid dreams) Constipation Flatulence Vomiting Neuropsychiatric symptoms (rare; see PRECAUTIONS) 	
ADVANTAGES	 Might serve as an oral substitute for tobacco Might delay weight gain Can be titrated to manage withdrawal symptoms Can be used in combination with other agents to manage situational urges 	 Might serve as an oral substitute for tobacco Might delay weight gain Can be titrated to manage withdrawal symptoms Can be used in combination with other agents to manage situational urges 	 Once-daily dosing associated with fewer adherence problems Of all NRT products, its use is least obvious to others Can be used in combination with other agents; delivers consistent nicotine levels over 24 hours 	 Can be titrated to rapidly manage withdrawal symptoms Can be used in combination with other agents to manage situational urges 	 Might serve as an oral substitute for tobacco Can be titrated to manage withdrawal symptoms Mimics hand-to-mouth ritual of smoking Can be used in combination with other agents to manage situational urges 	 Twice-daily oral dosing is simple and associated with fewer adherence problems Might delay weight gain Might be beneficial in patients with depression Can be used in combination with NRT agents 	 Twice-daily oral dosing is simple and associated with fewer adherence problems Offers a different mechanism of action for patients who have failed other agents 	
DISADVANTAGES	 Need for frequent dosing can compromise adherence Might be problematic for patients with significant dental work Proper chewing technique is necessary for effectiveness and to minimize adverse effects Gum chewing might not be acceptable or desirable for some patients 	 Need for frequent dosing can compromise adherence Gastrointestinal side effects (nausea, hiccups, heartburn) might be bothersome 	 When used as monotherapy, cannot be titrated to acutely manage withdrawal symptoms Not recommended for use by patients with dermatologic conditions (e.g., psoriasis, eczema, atopic dermatitis) 	 Need for frequent dosing can compromise adherence Nasal administration might not be acceptable or desirable for some patients; nasal irritation often problematic Not recommended for use by patients with chronic nasal disorders or severe reactive airway disease 	 Need for frequent dosing can compromise adherence Cost of treatment Cartridges might be less effective in cold environments (≤60°F) 	 Seizure risk is increased Several contraindications and precautions preclude use in some patients (see PRECAUTIONS) Patients should be monitored for potential neuropsychiatric symptoms⁵ (see PRECAUTIONS) 	 Cost of treatment Patients should be monitored for potential neuropsychiatric symptoms⁵ (see PRECAUTIONS) 	
Cost/day6	2 mg or 4 mg: \$1.90–\$3.60 (9 pieces)	2 mg or 4 mg: \$3.33–\$3.60 (9 pieces)	\$1.52–\$2.90 (1 patch)	\$7.30 (8 doses)	\$12.42 (6 cartridges)	\$2.58–\$8.25 (2 tablets)	\$11.88 (2 tablets)	

¹ Marketed by GlaxoSmithKline.

² Marketed by Niconovum USA (a subsidiary of Reynolds American, Inc.)

³ Marketed by Pfizer.

⁴ The U.S. Clinical Practice Guideline states that pregnant smokers should be encouraged to quit without medication based on insufficient evidence of effectiveness and theoretical concerns with safety. Pregnant smokers should be offered behavioral counseling interventions that exceed minimal advice to quit.

⁵ In July 2009, the FDA mandated that the prescribing information for all bupropion- and varenicline-containing products include a black-boxed warning highlighting the risk of serious neuropsychiatric symptoms, including changes in behavior, hostility, agitation, depressed mood, suicidal thoughts and behavior, and attempted suicide. Clinicians should advise patients to stop taking varenicline or bupropion SR and contact a health care provider immediately if they experience agitation, depressed mood, or any changes in behavior that are not typical of nicotine withdrawal, or if they experience suicidal thoughts or behavior. If treatment is stopped due to neuropsychiatric symptoms, patients should be monitored until the symptoms resolve. Based on results of a mandated clinical trial, the FDA removed this boxed warning in December 2016.

⁶ Approximate cost based on the recommended initial dosing for each agent and the wholesale acquisition cost from Red Book Online. Thomson Reuters, June 2017.

Abbreviations: MAO, monoamine oxidase; NRT, nicotine replacement therapy; OTC, over-the-counter (nonprescription product); Rx, prescription product.

For complete prescribing information and a comprehensive listing of warnings and precautions, please refer to the manufacturers' package inserts.

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ESTIMATED EFFICACY OF METHODS FOR TREATING TOBACCO USE AND DEPENDENCE

	Estimated Odds Ratio ^a	Estimated Abstinence Rate ^b
TREATMENT METHOD	(95% CI)	(95% CI)
Behavioral interventions	(7070 01)	
Advice to quit		
No advice to quit	1.0	7.9
Physician advice to quit	1.3 (1.1–1.6)	10.2 (8.5–12.0)
Clinician intervention		
No counseling by a clinician	1.0	10.2
Counseling by a non-physician	1.7 (1.3–2.1)	15.8 (12.8–18.8)
Counseling by a physician	2.2 (1.5–3.2)	19.9 (13.7–26.2)
Format of smoking cessation counseling		
No format	1.0	10.8
Self-help	1.2 (1.0–1.3)	12.3 (10.9–13.6)
Proactive telephone counseling ^c	1.2 (1.1–1.4)	13.1 (11.4–14.8)
Group counseling	1.3 (1.1–1.6)	13.9 (11.6–16.1)
Individual counseling	1.7 (1.4–2.0)	16.8 (14.7–19.1)
Pharmacotherapy		
Placebo	1.0	13.8
First-line agents		
Bupropion SR	2.0 (1.8–2.2)	24.2 (22.2–26.4)
Nicotine gum (6–14 weeks)	1.5 (1.2–1.7)	19.0 (16.5–21.9)
Nicotine inhaler	2.1 (1.5–2.9)	24.8 (19.1–31.6)
Nicotine lozenge (2 mg)	2.0 (1.4–2.8)	24.2 ^d
Nicotine patch (6–14 weeks)	1.9 (1.7–2.2)	23.4 (21.3–25.8)
Nicotine nasal spray	2.3 (1.7–3.0)	26.7 (21.5–32.7)
Varenicline (2 mg/day)	3.1 (2.5–3.8)	33.2 (28.9–37.8)
Second-line agents ^e		
Clonidine	2.1 (1.2–3.7)	25.0 (15.7–37.3)
Nortriptyline	1.8 (1.3–2.6)	22.5 (16.8–29.4)
Combination therapy		
Patch (>14 weeks) + ad lib nicotine	3.6 (2.5–5.2)	36.5 (28.6–45.3)
(gum or nasal spray)		
Nicotine patch + bupropion SR	2.5 (1.9–3.4)	28.9 (23.5–35.1)
Nicotine patch + nortriptyline	2.3 (1.3–4.2)	27.3 (17.2–40.4)
Nicotine patch + nicotine inhaler	2.2 (1.2–3.6)	25.8 (17.4–36.5)

^a Estimated relative to referent group

^b Abstinence percentages for specified treatment method

^c A quitline that responds to incoming calls and makes outbound followup calls. Following an initial request by the smoker or via a fax-to-quit program, the clinician initiates telephone contact to counsel the patient.

^d One qualifying randomized trial; 95% CI not reported in 2008 Clinical Practice Guideline

e Not approved by the U.S. Food and Drug Administration as a smoking cessation aid; recommended by the USPHS Guideline as a second-line agent for treating tobacco use and dependence

Data from: Fiore MC, Jaén CR, Baker TB, et al. (2008). *Treating Tobacco Use and Dependence: 2008 Update. Clinical Practice Guideline.* Rockville, MD: U.S. Department of Health and Human Services. Public Health Service.



CLINICAL PRACTICE GUIDELINE FOR TREATING TOBACCO USE AND DEPENDENCE: 2008 UPDATE

TEN KEY GUIDELINE RECOMMENDATIONS

Recon	nmendation
1	Tobacco dependence is a chronic disease that often requires repeated intervention and multiple attempts to quit. Effective treatments exist, however, that can significantly increase rates of long-term abstinence.
2	It is essential that clinicians and health care delivery systems consistently identify and document tobacco use status and treat every tobacco user seen in a health care setting.
3	Tobacco dependence treatments are effective across a broad range of populations. Clinicians should encourage every patient willing to make a quit attempt to use the counseling treatments and medications recommended in this Guideline.
4	Brief tobacco dependence treatment is effective. Clinicians should offer every patient who uses tobacco at least the brief treatments shown to be effective in this Guideline.
5	Individual, group, and telephone counseling are effective, and their effectiveness increases with treatment intensity. Two components of counseling are especially effective, and clinicians should use these when counseling patients making a quit attempt: (a) practical counseling (problem solving/skills training) and (b) social support delivered as part of treatment.
6	Numerous effective medications are available for tobacco dependence, and clinicians should encourage their use by all patients attempting to quit smoking—except where medically contraindicated or with specific populations for which there is insufficient evidence of effectiveness (i.e., pregnant women, smokeless tobacco users, light smokers, and adolescents). Seven first-line medications (5 nicotine and 2 non-nicotine) reliably increase long-term smoking abstinence rates: bupropion SR, nicotine gum, nicotine inhaler, nicotine lozenge, nicotine nasal spray, nicotine patch, and varenicline. Clinicians also should consider the use of certain combinations of medications identified as effective in this Guideline.
7	Counseling and medication are effective when used by themselves for treating tobacco dependence. The combination of counseling and medication, however, is more effective than either alone. Thus, clinicians should encourage all individuals making a quit attempt to use both counseling and medication.
8	Telephone quitline counseling is effective with diverse populations and has broad reach. Therefore, both clinicians and health care delivery systems should ensure patient access to quitlines and promote quitline use.
9	If a tobacco user currently is unwilling to make a quit attempt, clinicians should use the motivational treatments shown in this Guideline to be effective in increasing future quit attempts.
10	Tobacco dependence treatments are both clinically effective and highly cost-effective relative to interventions for other clinical disorders. Providing coverage for these treatments increases quit rates. Insurers and purchasers should ensure that all insurance plans include the counseling and medication identified as effective in this Guideline as covered benefits.

For more information, see Fiore MC, Jaén CR, Baker TB, et al. (2008). *Treating Tobacco Use and Dependence: 2008 Update. Clinical Practice Guideline*. Rockville, MD: U.S. Department of Health and Human Services. Public Health Service. Available at: www.surgeongeneral.gov/tobacco.



IMPLEMENTING ASK-ADVISE-REFER

HOW TO ASK

- CALWAYS USE A TONE THAT IS NONJUDGMENTAL AND CONVEYS SENSITIVITY AND CONCERN.
 - As part of routine screening for new patients, "Do you, or does someone you know, ever smoke or use any types of tobacco or nicotine, such as e-cigarettes?"
 - Clinicians can tailor questions to each patient based on their medical profile: "I see you are taking [medication*]. If you don't mind my asking, do you or others in your household smoke?"

■ WHO IS AT MOST RISK FOR THE HARMFUL EFFECTS OF TOBACCO?

- ➡ WHEN TIME IS LIMITED, FOCUS ON THESE PATIENTS THEY HAVE THE MOST TO GAIN BY QUITTING.
 - Patients on medications known to interact with tobacco smoke

- See **Drug Interactions with Smoking** table

- Patients with medical conditions caused or worsened by smoking, such as:
 - Cardiovascular disease
 - Examples: hypertension, hyperlipidemia, heart failure, arrhythmias, blood clots, stroke
 - Diabetes
 - Respiratory disorders (asthma, COPD); parents of children with asthma
 - Cancer
 - Osteoporosis
 - Pregnancy and lactation

■ WHAT IF A PATIENT ASKS WHY WE ARE INQUIRING ABOUT TOBACCO USE?

- "We care about your health, and we have resources to help our patients quit."
- "This medication* is used to treat medical conditions that are linked with or caused by smoking."
- "This medication" is known to interact with tobacco smoke."
- "Your (illness) is caused (or exacerbated) by smoking. Quitting will greatly improve your chances of not getting worse."

* MEDICATIONS COMMONLY USED TO TREAT CONDITIONS NEGATIVELY AFFECTED BY TOBACCO USE

Cardiovascular Conditions:

Antiarrhythmic (e.g., amiodarone, digoxin, sotalol), anticoagulant/antiplatelet agents (e.g., apixaban, cilostazol, clopidogrel, edoxaban, dabigatran, dipyridamole, pentoxifylline, prasugrel, rivaroxaban, ticagrelor, warfarin), antihypertensives (e.g., ACE-inhibitors, angiotensin II receptor blockers, β-blockers, calcium channel blockers, thiazide diuretics), dyslipidemics (e.g., ezetimibe, fibrates, statins), and vasodilators (e.g., nitrates)

Diabetes:

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Insulin formulations and other hypoglycemics (e.g., metformin, sulfonylureas, pioglitazone, DPP4-inhibitors, GLP-1 agonists, SLGT2 inhibitors)

Respiratory Conditions:

Inhaled beta-agonists (e.g., albuterol, arformoterol, indacaterol, levalbuterol, olodaterol, salmeterol), inhaled anticholinergics (e.g., aclidinium, glycopyrrolate, ipratropium, tiotropium, umedlidinium), inhaled corticosteroids (e.g., beclomethasone, budesonide, ciclesonide, flunisolide, fluticasone, mometasone), inhaled corticosteroid/beta-agonist combinations (e.g., Advair, Breo, Dulera, Symbicort), inhaled anticholinergic/beta-agonist combinations (e.g., Anoro, Combivent, Stiolto, Utibron)

Pregnancy (e.g., prenatal vitamins)

HOW TO ADVISE

- ➔ YOU SHOULD PROVIDE A CLEAR, STRONG, AND PERSONALIZED MESSAGE.
 - "Quitting is probably the single most important thing you can do to improve your health now and in the future."
 - Link worsening of medical conditions with advice to quit:
 - "People who have diabetes and smoke are at a much greater risk of developing serious heart disease. Quitting smoking is as important as having good control of your blood sugar."
 - "Quitting smoking is the most important thing you can do to...[insert tailored message]" (examples: "control your asthma or emphysema," "reduce your chance for heart attack or stroke," "promote the health of your baby/child")
 - "What do you think about talking with a cessation expert about quitting?"
 - "I can tell you about some great resources to help you guit."

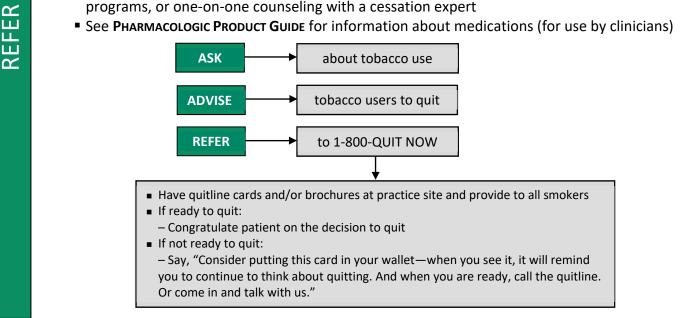
HOW TO REFER

SUCCESS RATES DOUBLE IF PATIENTS USE A QUITLINE COMPARED WITH QUITTING ON THEIR OWN.

- Inform patients: "The best chance for success is to combine counseling with medication."
- Discuss the tobacco quitline: The tobacco quitline (1-800-QUIT NOW) is a highly effective, statefunded program offered free of charge.

Quitline services include the following:

- Individually tailored telephone counseling with a highly trained tobacco specialist
- Printed self-help materials
- Services provided in multiple languages in most states
- Some tobacco users might qualify for additional services, e.g., proactive counseling and medications (services depend upon available funding and eligibility requirements established by the state)
- Consider other options, based on patient preferences: local group cessation programs, web-based programs, or one-on-one counseling with a cessation expert
- See PHARMACOLOGIC PRODUCT GUIDE for information about medications (for use by clinicians)



NOTES:

- Implementation of Ask-Advise-Refer is most successful when clinicians and staff work as a team to determine the best method to integrate it into routine patient care.