Dimension 5 Patient-Related Factors

This section covers the following topics:

Physical factors

- Visual impairment
- Hearing impairment
- Cognitive impairment
- Impaired mobility or dexterity
- Swallowing problems
- Psychological/behavioral factors
- Knowledge about disease
- Motivation
- Alcohol or substance abuse

PHYSICAL FACTORS THAT INFLUENCE ADHERENCE

Physical impairments and cognitive limitations may increase the risk for nonadherence in older adults.

Visual Impairment

Today in the United States there are approximately 5.5 million persons aged 65 and older who are blind or visually impaired (American Foundation for the Blind). Vision impairment is associated with a decreased ability to perform activities of daily living and an increased risk for depression (Rovner et al., 1996; Rovner and Ganguli, 1998). There are many medication safety issues associated with vision loss. Low vision and blindness affect a person's ability to read prescription labels and information sheets about medications, determine the color and markings distinguishing a medication, and see gauges on testing devices. People who cannot read prescription labels or distinguish among different medications must rely on memory or depend on someone else for help, and may not take their medications correctly or at all.

Not all vision loss is the same and the issues differ depending on the nature of the visual impairment. For example, the needs of people with glaucoma who have tunnel vision are different from those with macular degeneration who have central vision loss. Also, individuals who are blind have different issues from individuals with low vision. Individuals who are blind may need audible devices, tactile devices, or Braille.



The National Institutes of Health has a health-related web site specifically for older adults, which can be found at <u>www.nihseniorhealth.gov</u>. The web site's senior-friendly features include large print, short, easy-to-read segments of information, and simple navigation. A "talking" function reads the text aloud and special buttons to enlarge the text or turn on high contrast make the text more readable.

The American Foundation for the Blind's web site (<u>www.afb.org</u>) provides information about living with vision loss for the consumer, friends and family, and professionals. It contains an online directory of services and resources available in the US and Canada for persons with visual impairments. Additional resources for information on eye disease, low vision, and vision rehabilitation are available at the National Eye Institute web site, <u>www.nei.nih.gov/health</u>/.

BARRIER	STRATEGIES
	Ask the person if he or she needs help and what would be useful
	Do not direct communication to companion
	Give clear verbal instructions
	Tape record instructions
	Provide instructions in Braille (if patient reads Braille)
	Review pill shape/size with person
Blinaness	Use different size pill containers for different medications
	Attach tactile "clue" to pill containers to differentiate among medications
	Use pill organizer
	Audible reminder (alarm) system
	Pre-measure liquid dosages
	Pre-cut tablets
	Pre-fill syringes
	Ask the person if he or she needs help and what would be useful
	Use large print on labels and written materials (minimum 16 point)
	Use black ink on light background (high contrast) for written materials
	Avoid materials that reflect light or cause glare
	Provide large print duplicate prescription label
Visual impairment	Give clear verbal instructions
	Use color coding on medication containers (if patient can detect color) or different color pillboxes to distinguish between medications and indicate when to take medications
	Electronic dispensing devices with an alarm when dose is due
	Magnifying device
	Encourage improved lighting where medications are stored and taken

Hearing Impairment

The number of people with hearing loss increases with age. One-third of older adults between the ages of 65 and 74 have hearing problems; about half the people who are 85 and older have hearing loss (National Institute on Aging). The natural aging process affects not only the ability to detect sounds at soft levels (hearing thresholds) but also the ability to understand speech at typical conversational volume. This condition is progressive and does get worse with age (Cienkowski, 2003).



Many people who suffer from age-related hearing impairment report that they hear speech but have difficulty understanding, particularly in the presence of background noise. In environments with lots of noise or echo

(reverberation), older adults identify fewer words correctly than younger adults with equivalent hearing (Cienkowski, 2003).

Most deaf people communicate with hearing people through a combination of methods such as signing, writing, speech, and lip reading. Always determine the person's preferred method of communicating. Some deaf people consider English their second language, after American Sign Language. It is important to note that American Sign Language does not follow the order and syntax of written and spoken English, therefore always ask if the person is comfortable with written language when you are using this mode of communication (University of Washington, 2005).

Do not assume that when deaf or hearing-impaired people nod their heads in acknowledgment that they have understood you; they may be relying on family or a companion present to explain later.

A growing number of government agencies and businesses are installing TTY or using the Telecommunications Relay Service to communicate with deaf, hard of hearing, or speech-impaired clients. A TTY is a special device that lets people who are deaf, hard of hearing, or speech-impaired use the telephone to communicate by allowing them to type messages back and forth to other TTY users. TTY consists of a keyboard, display screen, and a modem. Calls placed to or from a non-TTY user can be placed through the Telecommunications Relay Service. A directory of toll-free telecommunications relay service numbers can be found at <u>www.adcohearing.com/tty_what_tty.html</u>.

BARRIER	STRATEGIES
	Do not shout or exaggerate speech, garble words, or obscure mouth with hands
	Do not talk down to or patronize the person
	If American Sign Language is the person's preferred communication method:
	– Use an interpreter
	 Consider becoming familiar with the manual sign language alphabet for when an interpreter is not available to communicate (See <u>www.masterstech-home.com/ASLDict.</u> <u>html</u>)
	- Use pantomime and facial expressions.
	If lip reading is the person's preferred communication method:
	 Use your regular voice volume and lip movement
Deafness	 Maintain eye contact when you speak; do not turn your head or obscure the view of your face
	 When speaking to the person, don't place things such a pencils, gum, or food in your mouth
	 Avoid standing in front of a light or a window; overhead lighting limits shadows
	If writing is the person's preferred communication:
	- Use short precise clauses, pictures, and diagrams
	 Be sure the person is provided with writing tools
	Face the person
	Use gestures
	Confirm understanding of information
	Supplement with written information
	Use pictures and diagrams when possible

BARRIER	STRATEGIES
	Do not shout or exaggerate speech, garble words, or obscure mouth with hands
	Do not talk down to or patronize the person
	Use quiet area for counseling
	Have assistive listening device available to be used if necessary
	Stand in good lighting and reduce background noises
	Face the person and talk slowly and clearly; use lower voice pitch and simple language
Hearing impairment	Include the hearing-impaired person when talking; talk with the person, not about the person, when with others
	Be patient
	Use facial expressions or gestures to give useful clues
	Speak to better ear
	Have person turn up hearing aid
	Repeat yourself if necessary, using different words; confirm understanding of information
	Supplement with written information
	Use pictures and diagrams when possible

Cognitive Impairment

Impaired cognition is associated with poor medication adherence (Krueger et al., 2005). Older adults with cognitive decline or memory problems may have difficulty understanding how to take their medications, forget to take a dose, or take too much.

BARRIER	STRATEGIES
Cognition/memory	Speak slowly and clearly; use simple language Repeat and rephrase information Confirm understanding; have person repeat information Provide written document using simple language to support verbal instructions Introduce reminder strategies tailored to the individual, such as pill organizers, calendars, phone reminder systems, electronic medication dispensing devices Involve caregiver

Impaired Mobility

Older adults with limited mobility may have difficulty obtaining medications from the pharmacy or selfadministering medications (Tobias, 2003).

BARRIER	STRATEGIES
Impaired mobility	Mail order pharmacy Pharmacy delivery service Store medications in easy-to-access location (unless children in household)

Dexterity

Impaired dexterity, coupled with reduced muscle strength and flexibility, affects fine motor control and hand-eye coordination. These functional limitations can affect the ability to open product packages or medication containers, administer nonoral dosage forms (e.g., injections, patches, inhalers, eye drops), use medical supplies or devices, or manipulate home testing equipment (e.g., glucose monitoring).

BARRIER	STRATEGIES
	Use easy-to-open, non-childproof medication containers Use pill organizer
	Use easy-to-open unit-of-use packaging
Impaired dexterity	Pre-measure liquid dosages
	Pre-cut tablets
	Pre-fill syringes
	Use dosage forms that are easy to administer



Swallowing Problems

Older adults with swallowing problems may be unable or unwilling to take large pills or capsules.

BARRIER	STRATEGIES
Swallowing problems	Identify alternative dosage forms that might be easier to swallow, e.g., liquids, smaller tablets, transdermal products Switch to medications that can be crushed or capsules that can be opened and mixed with soft foods

PSYCHOLOGICAL/BEHAVIORAL FACTORS THAT INFLUENCE ADHERENCE

Lack of knowledge about the disease and the reasons medication is needed, lack of motivation, low self-efficacy, and substance abuse are associated with poor medication adherence (Krueger et al., 2005; World Health Organization, 2003).

A person's perception of the danger posed by their disease may affect adherence to treatment. Older adults with chronic diseases that pose no immediate limitations or have few or no symptoms—such as high blood pressure, high cholesterol, or osteoporosis—may dismiss the importance of medication adherence. When medications are slow to produce effect, as with antidepressants, a person may believe the medication is not working and thus become nonadherent. On the other hand, a person's belief that a medication will work or is working is directly related to treatment adherence, as is the ability to manage side effects and a positive attitude (Krueger et al., 2005).

KNOWLEDGE, MOTIVATION, AND SELF-EFFICACY

It is well known that a person's knowledge, motivation, and attitudes toward medication therapy can significantly influence medication adherence. The World Health Organization has proposed a foundational model for medication adherence that is based on three factors: information, motivation, and behavioral skills (self-efficacy). Interventions based on this model have been effective in influencing behavioral change (World Health Organization, 2003).

Adherence and nonadherence are behaviors. Information is a prerequisite for changing behavior, but in itself is insufficient to achieve this change; motivation and behavioral skills are critical determinants (Figure 3). Information and motivation work largely through behavioral skills to affect behavior; however, when the behavioral skills are familiar or uncomplicated, information and motivation can have direct effects on behavior (World Health Organization, 2003).



FIGURE 3. FOUNDATIONAL MODEL FOR ASSESSING AND IMPROVING ADHERENCE

Source: World Health Organization, 2003

Knowledge

Information is the basic knowledge about a medical condition, which may include how the disease develops, its expected course, and effective strategies for its management; as well as specific information about the medication prescribed (World Health Organization, 2003).

People should have knowledge and understanding of the following:

- Information about the disease and consequences of not treating it
- Information about the treatment options
- Name of each prescribed medication, what it is supposed to do, and why it is needed
- Side effects of each medication and what to do if they occur
- How and when to take each medication, how much to take, and for how long
- What to do if a dose is missed
- What food, drinks, other medicines, or activities should be avoided while taking the medication
- How the medicine should be stored
- Whether the medication can be refilled, and if so, how often.

In addition, any special techniques or devices for administering the medication (e.g., the use of syringes, inhalers, suppositories, eye drops, or patches) should be explained and demonstrated. Older adults should be asked about any concerns they have about using their medicine.

A person's knowledge of their health condition and treatment can be assessed by measuring their health literacy and medication knowledge. The specific assessment tools are described below, and instructions for use are found in the <u>Assessment Tools</u> section.

Health Literacy Assessment—Health literacy is the ability to read, understand, and act on health information in order to make appropriate health decisions. Poor health literacy results in medication errors, impaired ability to remember and follow treatment recommendations, and reduced ability to navigate within the health care system. The <u>Rapid Estimate of Adult Literacy in Medicine, Revised</u> (REALM-R) is a brief screening instrument used to assess a person's ability to read common medical words (Bass et al., 2003). It is designed to identify people at risk for poor literacy skills.

Medication Knowledge Assessment—The <u>Medication Knowledge Assessment</u> is used to determine a person's knowledge about their medications and ability to read and comprehend information necessary for appropriate medication use. Information from the Medication Knowledge Assessment can serve as the basis for a focused knowledge improvement plan.

Motivation

Motivation encompasses personal attitudes towards the adherence behavior, perceived social support for such behavior, and the person's perception of how others might behave. Motivation has been found to be a key factor in promoting adherence to chronic therapies (World Health Organization, 2003). A person's motivation to adhere to a prescribed treatment is influenced by their beliefs regarding their medical condition, the value they place on following the treatment regimen, and their degree of confidence in being able to follow it. A person who believes that their condition is serious, that they will develop serious consequences if the condition is left untreated, and that the medication will be effective in treating their condition and preventing complications may be more likely to adhere to the treatment regimen (Vermiere et al., 2001).



Motivation and readiness to change are fundamental to long-term alteration of behavior (Nichols-English and Poirier, 2000). Changes in behavior are frequently based on weighing the positive and negative aspects of the change. Change will likely take place when the person sees the positive aspects of making the change and there are no or few barriers to making the change. However, if the real or perceived barriers or negatives of making a change outweigh the positives, change is unlikely to occur. A primary reason people are not motivated to engage in a behavior—such as taking medication—is that they are ambivalent. When ambivalent, people generally do nothing. In regard to medications, people may be ambivalent about (Berger et al., 2004):

- Necessity—the person is not sure they really need the medication or that they have the diagnosed condition.
- Effectiveness—the person is not yet convinced the medication will work.
- Goals of therapy—are not clear or are not important to the person.
- Cost—of the medication is more than expected or more than the person can afford.

To overcome ambivalence, older adults must have the information necessary to determine that the benefits of taking the medication outweigh the cost or barriers (Berger et al., 2004).

The assessment of motivation can help gauge the likelihood that the person will adhere to a given treatment regimen. Motivation is determined by measuring the person's willingness or readiness to change, and the level of their social support.

Readiness to Change Assessment—The <u>Readiness-to-Change Ruler</u> is used to assess a person's willingness or readiness to change, determine where they are on the continuum between "not prepared to change" and "already changing", and promote identification and discussion of perceived barriers to change. The Readiness-to-Change Ruler can be used as a quick assessment of a person's present motivational state relative to changing a specific behavior, and can serve as the basis for motivation-based interventions to elicit behavior change, such as motivational interviewing.

Motivational interviewing is an approach, first reported in the addiction literature, to improve adherence (Miller and Rollnick, 2002). The process is used to determine a person's readiness to engage in a target behavior—such as medication taking—and then applying specific skills and strategies based on the person's level of readiness to create a favorable climate for change. See the <u>Facilitating Behavior</u> <u>Change</u> section for additional information on readiness to change and an introduction to motivational interviewing techniques.

Social Support Assessment—A person's perception of and need for a social support network can be assessed with the <u>Duke-UNC Functional Social Support Questionnaire</u>, an eight-item instrument to measure the strength of the person's social support network (Broadhead et al., 1988).

Self Efficacy

Self efficacy is a person's belief or confidence in their ability to carry out a target behavior and the extent to which the behavior is actually carried out correctly. Self efficacy includes ensuring that the person has the specific behavioral tools or strategies necessary to perform the adherence behavior (World Health Organization, 2003). Self efficacy is a significant predictor of medication adherence (National Quality Forum, 2005).

BARRIER	STRATEGIES
Knowledge	Identify "knowledge gaps" Provide information where gaps exist Confirm understanding; have person repeat the information Demonstrate any special techniques for use of devices for administering medication Ask about any concerns the person has about using the medicine Provide appropriate written information Follow up for reinforcement of the information provided
Motivation	Use motivational interviewing techniques for people in the precontemplation and contemplation stages of change "Roll" with resistance Involve person in problem solving Provide information and alternatives Express empathy Avoid argumentation Develop discrepancy between the person's behavior and important personal goals Involve family members Refer to support group
Self-Efficacy	Use motivational interviewing techniques to enhance the person's confidence in their ability to overcome barriers and succeed in change Recognize small positive steps the person is taking Use supportive statements Help person set reasonable and reachable goals Express belief that person can achieve goals

ALCOHOL AND SUBSTANCE ABUSE

Substance abuse, particularly of alcohol and prescription drugs, among adults aged 60 and older is one of the fastest-growing health problems facing the country. Problems stemming from alcohol consumption, including interactions of alcohol with prescribed and over-the-counter medications, far outnumber any other substance abuse problem among older adults. Rates for alcohol-related hospitalizations among older adults are similar to those for heart attacks (US Department of Health and Human Services, 1998).

The abuse of narcotics is rare among older adults, except for those who abused opiates in their younger years. Prescribed opioids are an infrequent problem as well; only two to three percent of noninstitutionalized older adults receive prescriptions for opioid analgesics, and the vast majority of these older adults do not develop dependence (US Department of Health and Human Services, 1998).

Although little published information exists, experts report that a far greater concern for drug misuse or abuse is the large number of older adults using prescription drugs—particularly benzodiazepines, sedatives, and hypnotics—without proper physician supervision (US Department of Health and Human Services, 1998). A large share of prescriptions for older adults is for psychoactive, mood-changing drugs that carry the potential for misuse, abuse, or dependency.

Older persons are prescribed benzodiazepines (e.g., Valium, Xanax, Ativan) more than any other age group, and North American studies demonstrate that 17% to 23% of drugs prescribed to older adults are benzodiazepines (US Department of Health and Human Services, 1998). The dangers associated with these prescription drugs include problematic effects due to age-related changes in drug metabolism, interactions among prescriptions, and interactions with alcohol. Benzodiazepines, especially those with longer half-lives, often cause unwanted side effects that affect functional capacity and cognition, which place the older person at greater risk for falling and for institutionalization. Older adult users of these drugs experience more adverse effects than do younger adults, including excessive daytime sedation, lack of muscle coordination, delirium, and cognitive impairment.

Identification of substance abuse among older adults should not be the purview of health care workers alone. Leisure clubs, health fairs, congregate meal sites, Meals-On-Wheels, and senior day care programs provide venues in which older adults can be encouraged to self-identify for problems with alcohol or prescription medications. Friends and family of older adults and staff of senior centers, including drivers and volunteers who see older adults on a regular basis, are usually familiar with their habits and daily routines, and can interject screening questions into their normal conversations with older adults.

Comfort with this line of questioning will depend on the person's relationship with the older person and the responses given; however, anyone who is concerned about an older adult's drinking practices or possible medication misuse can try asking direct questions, such as those listed in Table 4. Nonmedical caretakers, volunteers, and aides may opt to ask only the four CAGE questions for alcohol problems, reproduced in Figure 4 (Ewing, 1984). If the questioner suspects that prescription drug abuse may be occurring and the older adult is defensive about his or her use, confused about various prescription drugs, seeing more than one doctor, or using more than one pharmacy, a clinician should probably be notified to probe further. Other warning signs of problematic alcohol or prescription drug use that may emerge in conversation and should prompt a referral to a clinician for a more in-depth screen or assessment are listed in Table 5.

TABLE 4. DIRECT QUESTIONS TO ASK ABOUT AN OLDER ADULT'S DRINKING PRACTICES AND MEDICATION USE

DRINKING PRACTICES

"Do you ever drink alcohol?"	,
"How much do you drink wh	en you do drink?"
"Do you ever drink more tha	n four drinks on one occasion?"
"Do you ever drink and drive	•?"
"Do you ever drink when you	u're lonely or upset?"
"Does drinking help you feel after you have stopped drir	l better [or get to sleep more easily, etc.]? How do you feel the day nking?"
"Have you ever wondered wh your life in any way?"	nether your drinking interferes with your health or any other aspects of
"Where and with whom do y potentially abusive drinking	ou typically drink?" (Drinking at home alone signals at-risk or g.)
"How do you typically feel ju	ust before your first drink on a drinking day?"
"Typically, what is it that yo expectations or consequence	ou expect when you think about having a drink?" (Note: Positive ces of alcohol use in the presence of negative affect and inadequate
coping skills have been ass	ociated with problem drinking.)
MEDICATION USE	ociated with problem drinking.)
"What prescription drugs are (This question will need to drug name, prescribed dose prescription. Note whether drugs in their original cont	e you taking? Are you having any problems with them? May I see them?" be followed by an examination of the actual containers to ascertain the , expiration date, prescribing physician, and pharmacy that filled each there are any psychoactive medications. Ask the patient to bring the ainers.)
"What prescription drugs are (This question will need to drug name, prescribed dose prescription. Note whether drugs in their original cont "Where do you get prescript follow instructions from you you know whether any of th cause problems?"	e you taking? Are you having any problems with them? May I see them?" be followed by an examination of the actual containers to ascertain the c, expiration date, prescribing physician, and pharmacy that filled each there are any psychoactive medications. Ask the patient to bring the ainers.) ions filled? Do you go to more than one pharmacy? Do you receive and ur doctor or pharmacist for taking the prescriptions? May I see them? Do nese medicines can interact with alcohol or your other prescriptions to
 Coping skills have been ass MEDICATION USE "What prescription drugs are (This question will need to drug name, prescribed dose prescription. Note whether drugs in their original cont "Where do you get prescription follow instructions from you you know whether any of the cause problems?" "Do you use any over-the-con how often, and how long has a statement of the cause problem in the statement of the cause problem in the statement of the cause problem is a statement	e you taking? Are you having any problems with them? May I see them?" be followed by an examination of the actual containers to ascertain the , expiration date, prescribing physician, and pharmacy that filled each there are any psychoactive medications. Ask the patient to bring the ainers.) ions filled? Do you go to more than one pharmacy? Do you receive and ur doctor or pharmacist for taking the prescriptions? May I see them? Do nese medicines can interact with alcohol or your other prescriptions to punter drugs (nonprescription medications)? If so, what, why, how much, ave you been taking them?"

FIGURE 4. THE CAGE QUESTIONNAIRE

10
10
10
10
1 1

Scoring: Item responses on the CAGE are scored 0 for "no" and 1 for "yes" answers, with a higher score an indication of alcohol problems. A total score of 2 or greater is considered clinically significant.

Source: Ewing, 1984

TABLE 5. WARNING SIGNS OF PROBLEMATIC ALCOHOL OR PRESCRIPTION DRUG USE

- Excessively worrying about whether prescription psychoactive drugs are "really working" to alleviate numerous physical complaints; or complaints that the drug prescribed has lost its effectiveness over time (evidence of tolerance)
- Displaying detailed knowledge about a specific psychoactive drug and attaching great significance to its efficacy and personal impact
- Worrying about having enough pills or whether it is time to take them, to the extent that other activities revolve around the dosage schedule
- Continuing to use and to request refills when the physical or psychological condition for which the drug was originally prescribed has or should have improved (e.g., prescription of sleeping pills after the death of a loved one); resisting cessation or decreasing doses of a prescribed psychoactive drug
- Complaining about doctors who refuse to write prescriptions for preferred drugs, who taper dosages, or who don't take symptoms seriously
- Self-medicating by increasing doses of prescribed psychoactive drugs that aren't "helping anymore," or supplementing prescribed drugs with over-the-counter medications of a similar type
- Rating social events by the amount of alcohol dispensed
- Eating only at restaurants that serve alcoholic beverages (and wanting to know whether they do in advance)
- Withdrawing from family, friends, and neighbors
- Withdrawing from normal and life-long social practices
- Cigarette smoking
- Involvement in minor traffic accidents (police do not typically suspect older adults of alcohol abuse and may not subject them to Breathalyzer and other tests for sobriety)
- Sleeping during the day
- Bruises, burns, fractures, or other trauma, particularly if the individual does not remember how and when they were acquired
- Drinking before going to a social event to "get started"; gulping drinks, guarding the supply of alcoholic beverages, or insisting on mixing own drinks
- Changes in personal grooming and hygiene
- Expulsion from housing
- Empty liquor, wine, or beer bottles or cans in the garbage or concealed under the bed, in the closet, or in other locations

Brief intervention techniques have been used to reduce alcohol use in older adults. Research has shown that 10% to 30% of nondependent problem drinkers reduce their drinking to moderate levels following a brief intervention by a physician or other clinician (US Department of Health and Human Services, 1998). A brief intervention is one or more counseling sessions, which may include motivation-for-change strategies; education, assessment, and direct feedback; contracting and goal setting; behavioral modification techniques; and the use of written materials such as self-help manuals. All of these activities can be conducted by trained clinicians, home health care workers, psychologists, social workers, and professional counselors.

If the older problem drinker does not respond to the brief intervention, two other approaches intervention and motivational counseling—should be considered. In an intervention, which occurs under the guidance of a skilled counselor, several significant people in a substance abuser's life confront the individual with their firsthand experiences of his or her drinking or drug use (US Department of Health and Human Services, 1998). Motivational counseling acknowledges differences in readiness to change and offers an approach for "meeting people where they are" that has proven effective with older adults (see <u>Motivational Interviewing</u> in the Facilitating Behavior Change section).

Because so many problems with prescription drug abuse stem from unintentional misuse, approaches for responding differ in some important respects from treatment for alcohol abuse and dependence. Issues that need to be addressed as part of treatment include educating and assisting older adults who misuse prescribed medications to comply consistently with dosing instructions, providing informal or brief counseling for persons who are abusing a prescribed substance with deleterious consequences, and engaging drug-dependent older adults in the formal treatment system at the appropriate level of care. In addition, it is important to understand how practitioners' prescribing behavior contributes to the problem so it can be addressed both with clients and uninformed health care practitioners in the community.

For some older adults, especially those who are late-onset drinkers or prescription drug abusers with strong social supports and no mental health comorbidities, the above approaches may prove quite effective, and brief follow-up interventions and empathic support for positive change may be sufficient for continued recovery. There is, however, a subpopulation of older adults who will need more intensive treatment. Despite the resistance that some older problem drinkers or drug abusers exert, treatment is worth pursuing. Studies show that older adults are more compliant with treatment and have treatment outcomes as good as or better than those of younger persons (US Department of Health and Human Services, 1998).