



www.mustforseniors.org



Medication Use Safety Training for Seniors™

**A National Education Campaign
for Older Adults and Caregivers**

developed by the
National Council on Patient Information and Education

with support from the
University of Maryland School of Pharmacy





EDUCATE *before*
YOU MEDICATE



The NCPIE
Coalition—working
together to promote
safe medicine use

Founded in 1982, the **National Council on Patient Information and Education (NCPIE)** is a non-profit coalition of over 100 diverse organizations. NCPIE's mission is to stimulate and improve communication of information on the appropriate use of medicines to consumers and healthcare professionals. NCPIE develops programs, provides educational resources, and offers services to advance the common mission of its members.

The Medication Use Safety Training (MUST) for Seniors™ program is designed as an interactive, national initiative to promote safe and appropriate medicine use by enabling older adults to avoid medication misuse, recognize and manage common side effects, and improve medicine use knowledge, attitudes, and skills to avoid medication errors.

MUST for Seniors™ can be offered to community-based, ambulatory older adults. Older individuals and family caregivers are also encouraged to visit **www.mustforseniors.org** and to participate in the program by viewing the online PowerPoint presentation, video clips and other program messages and materials.



It's important to take the time to learn all you can about the medicines you use. This booklet provides useful information and helpful tips to help ensure you and your family know how to use medicines safely. This will help you get the best results and avoid problems.

Facts to Know

- **A product is a medicine or drug if it:**
 - ✓ Changes the way your body works OR
 - ✓ Treats or prevents a disease
- **Types of medicines include:**
 - ✓ Prescription medicines, such as blood pressure medicines, antibiotics, or birth control pills
 - ✓ Over-the-Counter (OTC) drugs are medicines you can buy without a prescription, including aspirin, antacids, laxatives, and cough medicine.
- **When used correctly, medicines can lead to:**
 - ✓ Better health
 - ✓ Improved quality of life
 - ✓ Longer life, especially for people with cancer, heart disease and other life-threatening conditions
- **Medicines can make us better and prevent illnesses. Medicines also have risks. It's important to weigh the benefits and risks for each medicine.**



Take Note!

Generic vs. Brand

A generic drug (called by its chemical name) has the same active ingredients as the brand name. The generic works the same way in the body and is a copy of the brand name drug in dosage, safety, strength, how it is taken, quality, performance and intended use.





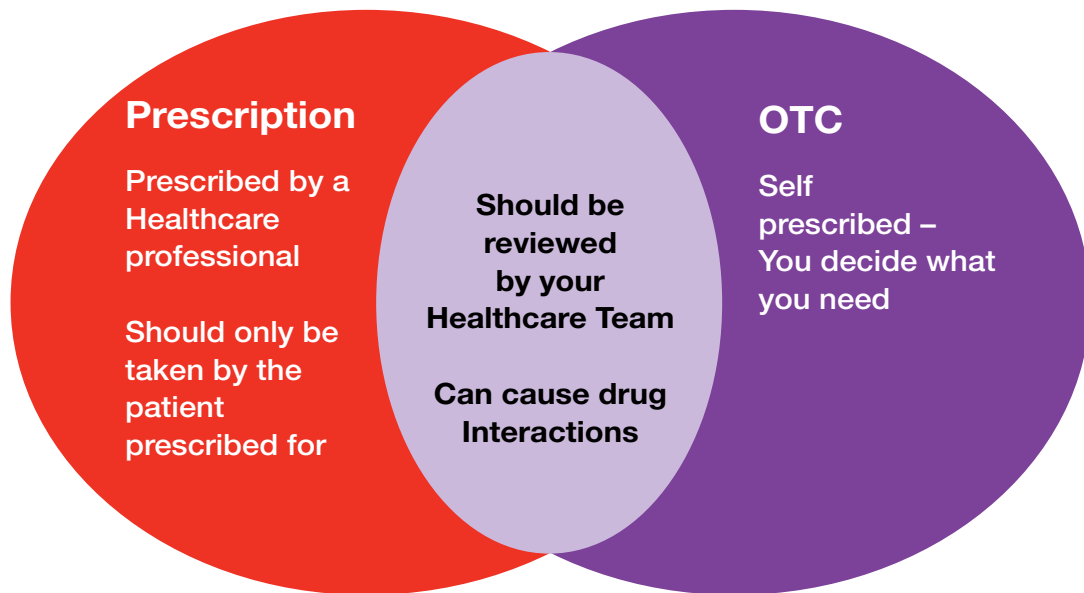
Take Note!

Dietary supplements and herbal remedies **do not have to follow**

the same strict rules that prescription drugs have to follow by law. That means these products *do not* have to:

- Be proven safe; manufacturers are *not* required to record, investigate or report any information they find about related injuries or sickness
- Work
- Be clean, pure or actually contain what the label claims

Prescription and Nonprescription or Over-the-Counter (OTC) Medicines



What's the Difference?

Medicine Use: Risks and Problems

Medicines can cause problems, even if used correctly.

Allergic reactions occur when your body's defense system reacts in a bad way to a medicine. **These might include:**

- Hives, itching or a rash
- Narrowing of the throat, difficulty breathing, shortness of breath

Side effects are undesired effects of a medicine that can occur even though the medicine is being taken correctly at the recommended dose. **These might include:**

- Headache, dizziness, or an upset stomach, which are common side effects
- Liver failure, which is a very rare side effect

continues on page 6





Medicine use problems can:

- Prevent you from getting well as fast as you would like to
- Make you sicker
- Lower your quality of life

This is why it's so important to take steps to understand and properly use your medicines.



Medicine Use: Risks and Problems, *continued*

Potential medicine use problems

If you've had problems with your medicine(s), you're not alone. In fact, one out of every three people experience at least one medicine-related problem.

These might include:

- **Over use** – taking more than prescribed or recommended by the healthcare provider or label. This can happen by accident – maybe you forgot you took your blood pressure medicine this morning, so you take it again.
- **Under use** – taking less than prescribed or recommended, or by missing or skipping doses.
- **Not following instructions** or taking medicines that are not prescribed for you.
- **Drug interactions** occur when a drug interacts with another drug, food, or alcohol and changes the way the drug acts in the body.

Some examples are:

- ✓ Alcohol consumed with pain medicines (e.g., tramadol/ Ultram,[®] Ultracet[®])
- ✓ Selective Serotonin Re-uptake Inhibitor (SSRI) Antidepressants (e.g., sertraline/ Zoloft[®]) taken with St. Johns Wort
- ✓ Grapefruit Juice taken with certain medicine(s) (e.g., amlodipine/Norvasc[®] and simvastatin/Zocor[®])

Helpful Tips to Avoid Problems

- **Learn about your health conditions and medicines.** Talk with your healthcare providers, including your pharmacist.
- **Make a medication list that includes:**
 - ✓ Names of all medications you use, including any OTCs, dietary supplements and herbal remedies
 - ✓ Who prescribed each medication
 - ✓ What each medication is used for
 - ✓ How often and at what dose (amount) you take each
 - ✓ Whether refills are needed

Be sure to update the list when you start taking something new or if a medicine dose is changed by your healthcare provider.

Make a copy of your medicine list for your records. Make extra copies to share with your loved ones and healthcare providers.

Your primary care provider should review all of your medications at least annually to make sure you are only taking those you need. Remind him or her of any allergies or problems you've had with certain medicines. Don't stop taking prescribed medicine without checking with him/her first.

continues on page 8



Ask Questions!

Don't be **afraid to ask** your healthcare provider questions or review information that is not clear to you. Remember, ***you are the best judge*** of your body, and are in the “driver’s seat” for your health.



Drug Facts

Active ingredient (in each tablet) Chlorpheniramine maleate, 2 mg	Purpose Antihistamine
Uses temporarily relieves these symptoms due to hay fever or other upper respiratory allergens: <ul style="list-style-type: none"> ■ sneezing ■ runny nose ■ itchy, watery eyes ■ itchy throat 	
Warnings Ask a doctor before use if you have: <ul style="list-style-type: none"> ■ glaucoma ■ a breathing problem such as emphysema or chronic bronchitis ■ trouble urinating due to an enlarged prostate gland 	
Ask a doctor or pharmacist before use if you are taking tranquilizers or sedatives	
When using this product: <ul style="list-style-type: none"> ■ You may get drowsy ■ avoid alcoholic drinks ■ alcohol, medicines, and tranquilizers may increase drowsiness ■ be careful when driving a motor vehicle or operating machinery ■ excitability may occur, especially in children 	
If pregnant or breast-feeding, ask a health professional before use. Keep out of reach of children. In case of overdose, get medical help or contact a Poison Control Center right away.	
Directions	
adults and children 12 years and over	take 2 tablets every 4 to 6 hours; not more than 12 tablets in 24 hours
children 6 years to under 12 years	take 1 tablet every 4 to 6 hours; not more than 6 tablets in 24 hours
children under 6 years	ask a doctor
Other information store at 20°-25° C (68°-77° F) ■ protect from excessive moisture	
Inactive ingredients D&C yellow no. 10, lactose, croscarmellose, microcrystalline cellulose, pregelatinized starch	

Helpful Tips to Avoid Problems, *continued*

- **Always read the *Drug Facts* label** (found on the back or side of OTC packages), package inserts or Consumer Medicine Information (CMI) leaflets (often stapled to your prescription medicine bag). These can provide useful information to help you get the best results and avoid problems.

These tell you:

- ✓ What your medicine is used for
- ✓ How to take your medicine correctly (how often you should take it and at what amount or dosage)
- ✓ Possible side effects or allergic reactions to watch out for
- ✓ Warnings
- ✓ Storage instructions
- **Try to use one pharmacy** so that your prescription records are all in one place. This helps your pharmacist monitor which medications you take and let you know about potential drug interactions.
- **Double check your prescriptions** at the pharmacy counter (be sure that your name and the drug name are correct).
- **Never take someone else's medicine.**
- **Safely store medicines away from children.** Check expiration dates. Keep all medications in the bottle, box or tube that they came in. For tips on safe storage and how to safely throw away unused medications, read the "*NCIPE Tips on Safe Storage & Disposal*" at www.talkaboutrx.org.
- **Contact your healthcare provider** if you have any problems with your medicine.



Questions to Ask Your Healthcare Team

You may want to ask:

1. What am I taking this medicine for?
2. Is it a brand or generic drug?
3. Does this new prescription mean I should stop taking any other medicines I'm taking now?
4. How it should be taken.
 - ✓ How much?
 - ✓ How often and what time of day (For example, does four times a day mean during the daytime or within a 24 hour period)?
 - ✓ With or without food?
 - ✓ When should I stop taking the medicine?
 - ✓ Will I need a refill?
5. What side effects can I expect? What should I do if I have a problem?
6. How do I tell if the medication is working?
7. Are there foods, drinks (including alcoholic beverages), other medicines, or activities to avoid while I'm taking this medicine?
8. What if I miss a dose?
9. Are there any tests I need to take while I'm on this medicine?
10. Where and how should it be stored?



Ask Questions!

Find out as much as you can about the medications, including dietary supplements and OTCs, you take. By **taking the time to ask questions now**, you may be **preventing problems later**.

Take notes and remember that your **pharmacist can help answer** a lot of these questions, too.

When visiting any health-care provider – Take your Medicine List, which contains information on:

- All prescription medicine, including eye drops, topicals, samples
- Nonprescription (OTC) medicines, herbals, vaccines
- What is the medicine used for
- How should you take them

Make copies of your list

- Give one to your doctor, one to your pharmacist, and one to a loved one.
- Carry one with you and keep a copy at home.
- Make sure to keep it updated!



Healthcare Provider Contact Sheet

Use this form to keep track of your healthcare team.

Doctor _____ Phone number _____

Nurse _____ Phone number _____

Pharmacist _____ Phone number _____

24-hour Pharmacy _____ Phone number _____

Medicine List *(example)*

Prescription Name & Strength	What is it for?	How much to take and when?	Do not take with	Prescriber
------------------------------	-----------------	----------------------------	------------------	------------

Tetracycline (250 mg)	Respiratory Infection	1 tablet 4 times a day	Antacids or dairy products	

OTCs, Vitamins, Herbals and Dietary Supplements	Dosage	Frequency



Resources

For more information on using medicine safely:

National Council on Patient Information and Education (NCPIE)
www.talkaboutrx.org • www.bemedwise.org

The Peter Lamy Center For Drug Therapy and Aging – www.pharmacy.umaryland.edu/lamy

AARP – www.aarp.org/health/rx_drugs/usingmeds/

Institute for Safe Medication Practices – www.ismp.org

American Society of Consultants Pharmacists – www.ascp.com/consumers/tips/index.cfm

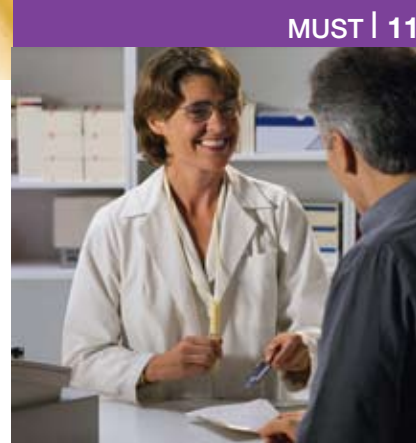
Buying Medicines Safely on the Internet:

U.S. Food and Drug Administration
www.fda.gov/cder/consumerinfo/buyOnlineGuide_text.htm

Dietary Supplements

National Institutes of Health Office for Dietary Supplements – www.ods.od.nih.gov

U.S. Food and Drug Administration Center for Food Safety & Applied Nutrition
www.cfsan.fda.gov/~dms/supplmnt.html • www.cfsan.fda.gov/~dms/ds-savvy.html





NCPiE is pleased to acknowledge AstraZeneca Pharmaceuticals for providing a charitable contribution to make the **MUST for Seniors™ Program** possible.

Remember the 3 R's for Safe Medication Use

1. All medicines, prescription and nonprescription, have **RISKS** as well as benefits. You need to weigh these risks and benefits carefully for every medicine you take.
2. **RESPECT** the power of your medicine and the value of medicines properly used.
3. Take **RESPONSIBILITY** for learning about how to take your medication safely.

National Council on Patient Information and Education (NCPiE)

4915 Saint Elmo Ave., Suite 505
 Bethesda, MD 20814-6082
 (301) 656-8565 – telephone • (301) 656-4464 – fax
 ncpie@ncpie.info – email • www.talkaboutrx.org

Peter Lamy Center for Drug Therapy and Aging

University of Maryland School of Pharmacy
 220 Arch Street, 12th Floor
 Baltimore, MD 21201
 (410) 706-2434 – telephone • (410) 706-1488 – fax
 lamycenter@rx.umaryland.edu – email • www.pharmacy.umaryland.edu/lamy/index.html

Medication Use Safety Training for *Seniors™* and MUST for *Seniors™* are the exclusive trademarked property of the National Council on Patient Information and Education. NCPiE 2007