



## 20 Tips To Help Prevent Medical Errors

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AHRQ is the lead agency charged with supporting research designed to improve the quality of health care, reduce its cost, address patient safety and medical errors, and broaden access to essential services. AHRQ sponsors and conducts research that provides evidence-based information on health care outcomes; quality; and cost, use, and access. The information helps health care decisionmakers—patients and clinicians, health system leaders, and policymakers—make more informed decisions and improve the quality of health care services.



U.S. Department of Health  
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Medical errors are one of the Nation's leading causes of death and injury. A recent report by the Institute of Medicine estimates that as many as 44,000 to 98,000 people die in U.S. hospitals each year as the result of medical errors. This means that more people die from medical errors than from motor vehicle accidents, breast cancer, or AIDS.

Government agencies, purchasers of group health care, and health care providers are working together to make the U.S. health care system safer for patients and the public. This fact sheet tells what you can do.

### What are Medical Errors?

Medical errors happen when something that was planned as a part of medical care doesn't work out, or when the wrong plan was used in the first place. Medical errors can occur anywhere in the health care system: in hospitals, clinics, outpatient surgery centers, doctors' offices, nursing homes, pharmacies, and patients' homes. Errors can involve medicines, surgery, diagnosis, equipment, or lab reports. They can happen during even the most routine tasks, such as when a hospital patient

on a salt-free diet is given a high-salt meal.

Most errors result from problems created by today's complex health care system. But errors also happen when doctors and their patients have problems communicating. For example, a recent study supported by the Agency for Healthcare Research and Quality found that doctors often do not do enough to help their patients make informed decisions. Uninvolved and uninformed patients are less likely to accept the doctor's choice of treatment and less likely to do what they need to do to make the treatment work.

### What Can You Do? Be Involved in Your Health Care

**The single most important way you can help to prevent errors is to be an active member of your health care team.** That means taking part in every decision about your health care. Research shows that patients who are more involved with their care tend to get better results.

Here are some specific tips, based on the latest scientific evidence about what works best:



Make sure that all of your doctors know about everything you are taking. This includes prescription and over-the-counter medicines, and dietary supplements such as vitamins and herbs.

## Medicines

**Make sure that all of your doctors know about everything you are taking. This includes prescription and over-the-counter medicines, and dietary supplements such as vitamins and herbs.** At least once a year, bring all of your medicines and supplements with you to your doctor. “Brown bagging” your medicines can help you and your doctor talk about them and find out if there are any problems. It can also help your doctor keep your records up to date, which can help you get better quality care.

**Make sure your doctor knows about any allergies and adverse reactions you have had to medicines.** This can help you avoid getting a medicine that can harm you.

**When your doctor writes you a prescription, make sure you can read it.** If you can't read your doctor's handwriting, your pharmacist might not be able to either.

**Ask for information about your medicines in terms you can understand—both when your medicines are prescribed and when you receive them:**

- What is the medicine for?
- How am I supposed to take it, and for how long?
- What side effects are likely? What do I do if they occur?
- Is this medicine safe to take with other medicines or dietary supplements I am taking?
- What food, drink, or activities should I avoid while taking this medicine?

**When you pick up your medicine from the pharmacy, ask: Is this the medicine that my doctor prescribed?**

A study by the Massachusetts College of Pharmacy and Allied Health Sciences found that 88 percent of medicine errors involved the wrong drug or the wrong dose.

**If you have any questions about the directions on your medicine labels, ask.** Medicine labels can be hard to understand. For example, ask if “four doses daily” means taking a dose every six hours around the clock or just during regular waking hours.

**Ask your pharmacist for the best device to measure your liquid medicine. Also, ask questions if you're not sure how to use it.** Research shows that many people do not understand the right way to measure liquid medicines. For example, many use household teaspoons, which often do not hold a true teaspoon of liquid. Special devices, like marked syringes, help people to measure the right dose. Being told how to use the devices helps even more.

**Ask for written information about the side effects your medicine could cause.** If you know what might happen, you will be better prepared if it does—or, if something unexpected happens instead. That way, you can report the problem right away and get help before it gets worse. A study found that written information about medicines can help patients recognize problem side effects and then give that information to their doctor or pharmacist.

## Hospital Stays

**If you have a choice, choose a hospital at which many patients have the procedure or surgery you need.**

Research shows that patients tend to have better results when they are treated in hospitals that have a great deal of experience with their condition.

**If you are in a hospital, consider asking all health care workers who have direct contact with you whether they have washed their hands.**

Handwashing is an important way to prevent the spread of infections in hospitals. Yet, it is not done regularly or thoroughly enough. A recent study found that when patients checked whether health care workers washed their hands, the workers washed their hands more often and used more soap.

**When you are being discharged from the hospital, ask your doctor to explain the treatment plan you will use at home.** This includes learning about your medicines and finding out when you can get back to your regular activities. Research shows that at discharge time, doctors think their patients understand more than they really do about what they should or should not do when they return home.

## Surgery

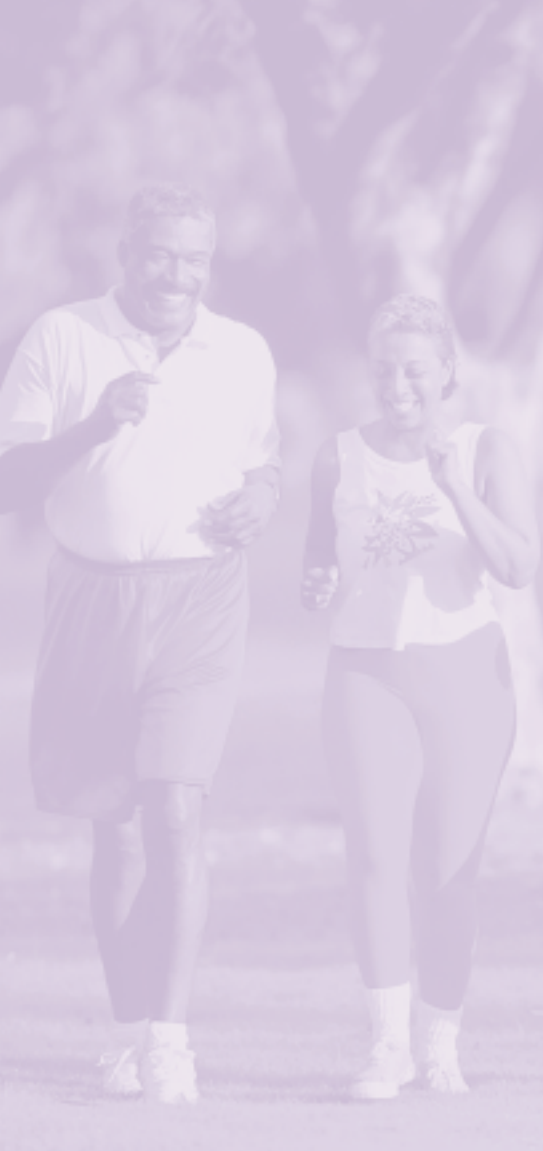
**If you are having surgery, make sure that you, your doctor, and your surgeon all agree and are clear on exactly what will be done.** Doing surgery at the wrong site (for example, operating on the left knee instead of the right) is rare. But even once is too often. The good news is that wrong-site surgery is 100 percent preventable. The American Academy of Orthopaedic Surgeons

urges its members to sign their initials directly on the site to be operated on before the surgery.

## Other Steps You Can Take

- **Speak up if you have questions or concerns.** You have a right to question anyone who is involved with your care.
- **Make sure that someone, such as your personal doctor, is in charge of your care.** This is especially important if you have many health problems or are in a hospital.
- **Make sure that all health professionals involved in your care have important health information about you.** Do not assume that everyone knows everything they need to.
- **Ask a family member or friend to be there with you and to be your advocate (someone who can help get things done and speak up for you if you can't).** Even if you think you don't need help now, you might need it later.
- **Know that "more" is not always better.** It is a good idea to find out why a test or treatment is needed and how it can help you. You could be better off without it.
- **If you have a test, don't assume that no news is good news.** Ask about the results.
- **Learn about your condition and treatments by asking your doctor and nurse and by using other reliable sources.** For example, treatment recommendations based on the latest scientific evidence are available from the National

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Guideline Clearinghouse at ([www.guideline.gov](http://www.guideline.gov)). Ask your doctor if your treatment is based on the latest evidence.

For more information about medical errors, see AHRQ's Web site at <http://www.ahrq.gov/errors.htm>. Or call the AHRQ Clearinghouse at 1-800-358-9295 for a Federal report on medical errors (Pub. No. OM00-0004).



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