

Get a handle on how to
prevent and treat low bone mass

Osteoporosis

FOR
DUMMIES[®]



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A Reference for the Rest of Us![®]

Osteoporosis For Dummies[®]

**by Carolyn Riester O'Connor, MD and Sharon
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About the Authors

Carolyn O'Connor graduated *cum laude* from Yale College with a bachelor of science degree in chemistry. She then traveled to Manhattan to attend Columbia College of Physicians and Surgeons. After medical school, she did her postgraduate training in internal medicine at The New York Hospital – Cornell Medical School. Her fellowship training in rheumatology was at Boston University Medical Center. Currently, she is chief of rheumatology and associate professor of medicine at Drexel University College of Medicine in Philadelphia. One of her major interests is metabolic bone disease. Her division of rheumatology runs the bone density program at Drexel.

She has two children; one has majored in philosophy and the other is studying mechanical engineering. Her outside interests include growing roses and struggling with the *New York Times* Crossword.

Sharon Perkins has been a registered nurse for almost 20 years, and currently works for a group of retinal doctors. Since she started treating an older population with macular degeneration, she sees way more osteoporosis than she wishes she did. She has five children and two daughters-in-law, two grandchildren, and a husband who recently retired from 20-plus years of flying airplanes and is currently hanging around the house.

Dedications

I dedicate this book to my many patients who trust in my advice. Truly, from listening to them and caring for them, I have learned more about osteoporosis than from reading any textbook.

Carolyn R. O'Connor, MD

For my granddaughter Emma, in hopes that osteoporosis will be fully preventable in her future.

Sharon Perkins

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Carolyn R. O'Connor, MD

One of my earliest memories is of my great grandmother, who my younger sister called “the grandma with the broken arm.” I’d just met my family history of osteoporosis, although I didn’t know it at the time.

Years down the road, my children remembered *their* great grandmother, daughter of my great grandma, who had fallen and broken her hip. Pictures show the inches she lost as she aged as evidence of vertebral compression fractures.

Osteoporosis runs in my family, but we never really put a name to it or did much about it. But because of the problems my relatives had, I was always aware of aging as being dangerous for your bones, and for that, I thank them.

I also have to thank my sister, Sue, for telling me I’d hate writing a book on osteoporosis because “bones are boring.” She knows I love a challenge.

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Contents

[Title](#)

[Introduction](#)

[About This Book](#)

[Conventions Used in This Book](#)

[What You're Not to Read](#)

[Foolish Assumptions](#)

[How This Book Is Organized](#)

[Icons Used in This Book](#)

[Where to Go from Here](#)

[Part I: Understanding Your Bones](#)

[Chapter 1: Boning Up on Osteoporosis](#)

[Defining Osteoporosis](#)

[Who, Me? How Osteoporosis May Affect You](#)

[Why Early Diagnosis Is So Important](#)

[Improving Your Peak Bone Density — And Your Children's](#)

[Evaluating Osteoporosis Therapy](#)

[Terminology 101: Keeping Your "Osteos" Straight](#)

[Chapter 2: Loving the Living Tissue Called Bone](#)

[Understanding Your Living Skeleton](#)

[Meeting Your Bones](#)

[Modeling and Remodeling](#)

[Building Up and Breaking Down: Your Bones Day by Day](#)

[Your Bones from Birth to Infinity: More Stuff to Know](#)

[Chapter 3: Breaking Down the Risk Factors](#)

[Assessing Your Risk Factors: Which Women Get Osteoporosis?](#)

[Focusing on Lifestyle Factors](#)

[Recognizing Medications That Cause Bone Loss](#)

[How Gastrointestinal Problems Can Affect Your Bones](#)

[Noting Other Diseases Associated with Osteoporosis](#)

[Reducing the Risks of Getting Osteoporosis](#)

[Chapter 4: Men and Kids Get Osteoporosis, Too](#)

[Taking a Closer Look at Who Else Gets Osteoporosis](#)

[Focusing on Osteoporosis in Men](#)

[Why Too Thin Is Bad for Bones — Especially in Teens](#)

[Yes, Little Kids Can Have Osteoporosis](#)

[Part II : Keeping Your Bones Healthy](#)

[Chapter 5: Eating Right for Good Bones](#)

[Getting Enough Calcium in Your Diet](#)

[Examining the Critical Role of Vitamin D](#)

[Nutrients You Probably Never Think About](#)

[Setting Down the Saltshaker](#)

[High Protein or Low Protein?](#)

[Assessing Alcohol in Your Diet](#)

[Decreasing Caffeine: Does it Matter?](#)

[Looking At How Your Weight Affects Your Bones](#)

[Chapter 6: Exercising for Strong Bones](#)

[Starting While You're Still Young](#)

[Moving Your Bones to Build More Bone](#)

[Developing an Exercise Plan](#)

[Avoiding Injury While Exercising](#)

[Getting Down to the Nitty-Gritty: Choosing an Exercise Routine](#)

[Part III : Diagnosing and Treating Osteoporosis](#)

[Chapter 7: Facing the Consequences of Bones Gone Bad](#)

[Aging and Your Bones](#)

[Facing Fragility Fractures](#)

[Breaking Bones – Different Types of Fractures](#)

[Chapter 8: Finding \(and Paying For\) a Doctor to Treat Osteoporosis](#)

[I Looked in the Phonebook, But I Couldn't Find Any Bone-ologists](#)

[Preparing to Meet the Doctor](#)

[Team Tactics: Setting Up a Care Plan with Your Doctor](#)

[Getting the Most Out of Your Insurance Plan](#)

[Chapter 9: Testing Your Bones](#)

[What's Bone Density Testing, Anyway?](#)

[Deciding When to Have a Bone Density Test](#)

[DXA, SXA, PDXA, and More — Understanding This Alphabet Soup](#)

[Testing Bones in Other Ways](#)

[Interpreting the Results of Your DXA](#)

[Knowing How Often You Need a Bone Density Test](#)

[Chapter 10: Taking Prescription Drugs for Osteoporosis](#)

[Sorting Out the Different Types of Drug Treatment](#)

[Looking at Bisphosphonates for Building Up Bone](#)

[The Estrogen Replacement Controversy](#)

[Calcitonin: An Old Medication Standby](#)

[Building Bone with Teripeptides](#)

[Exploring New Directions in Medication](#)

[Chapter 11: Keeping Bones Strong with Over-the-Counter Supplements](#)

[Why Vitamin D Is a Major Player](#)

[Overdoing Vitamin A](#)

[Confronting the Cacophony of Calcium Supplements](#)

[Chapter 12: Managing Pain from Osteoporosis](#)

[Recognizing the Real Pain of Osteoporosis](#)

[“Oh, My Aching Back!”](#)

[Treating Acute Pain from a Fracture](#)

[Treating Chronic Pain: What to Do When Pain Goes On and On](#)

[Dealing with Pain without Medication](#)

[Chapter 13: Recovering from a Fracture When You Have Osteoporosis](#)

[Checking for Osteoporosis after a Fracture](#)

[Preventing Falls](#)

[Recognizing Breaks and What's Most Likely to Break](#)

[How Long Does Bone Take to Heal?](#)

[Reducing the Chance of Another Fracture](#)

[Chapter 14: Focusing on the Future of Osteoporosis](#)

[Improving Osteoporosis Prevention](#)

[Looking at Future Technologies for Your Bones](#)

[Finding Future Medications](#)

[Repairing Collapsed Vertebrae: A New Surgical Treatment](#)

[Fighting Osteoporosis on an International Level](#)

[Battling Osteoporosis in the United States](#)

[Ongoing Research Regarding Osteoporosis](#)

[Part IV : The Part of Tens](#)

[Chapter 15: Ten Surprising Sources of Calcium](#)

[Drinking Mineral Water](#)

[Going Beyond Leafy Green Veggies](#)

[Munching on Nuts and Seeds](#)

[Eating Tacos for Dinner](#)

[Sending Out for Pizza](#)

[Taking One Latte to Go!](#)

[Chugging a Little OJ Today](#)

[Adding a Little Molasses](#)

[Indulging on Chocolate Cake](#)

[Powdering with a Different Twist](#)

[Chapter 16: Ten Things You Need to Know about Bones](#)

[Broken Bones Hurt!](#)

[Broken Bones Can Make You Sick — or Worse](#)

[Increasing Calcium Certainly Helps Decrease Fractures](#)

[Milk Is Really Important to Bone](#)

[You Don't Get a Second Chance at Building Bone](#)

[Today's Bad Habits Lead to Tomorrow's Bone Loss](#)

[Getting Shorter Is No Fun at All](#)

[Your Bones Are a Storehouse of Necessary Minerals](#)

[Broken Bones Cost Society a Ton of Money](#)

[Bones Turn Over All the Time](#)

[Chapter 17: Ten Resources for Finding Out More about Osteoporosis](#)

[Staying Up-to-Date with the NOF](#)

[Relying on the NIH](#)

[Utilizing Expert Medical Facilities](#)

[Joining a Support Group](#)

[Chatting Online about Osteoporosis](#)

[Reading Books](#)

[Watching Videos](#)

[Talking with Your Doctor about Osteoporosis](#)

[Visiting Your Favorite Physical Therapist](#)

[Going Online for the Latest Information](#)

[Chapter 18: Top Ten Questions Dr. O'Connor's Patients Ask about Osteoporosis](#)

[What's the Best Type of Calcium for Me?](#)

[How Much Calcium Do I Need Each Day?](#)

[I Drink Plenty of Milk. Isn't That Enough Calcium for My Bones?](#)

[What Exercises Are Best for Preventing Osteoporosis?](#)

[What's the Difference between Osteoporosis and Osteoarthritis?](#)

[My Back Hurts. Is That My Osteoporosis?](#)

[What Else Can I Do to Improve Bone Strength?](#)

[My Family Doc Recommended a Bone Density Study. How Is It Done?](#)

[Which Is Better, Alendronate or Risedronate?](#)

[I've Had a Curved Spine Since My Teenage Years. Do I Have Osteoporosis?](#)

[Chapter 19: Ten \(Or So\) Parenting Tips to Build Strong Bones](#)

[The More You Exercise, the Stronger Your Bones Will Be](#)

[Drinking Milk Daily Builds Big Benefits for Bones](#)

[Shopping Wisely Is Worth the Extra Time](#)

[Don't Let Lactose Intolerance Rob Your Child of Calcium](#)

[Avoid Carbonated Beverages](#)

[Watch for Signs of Anorexia](#)

[Know Your Family History](#)

[Set an Example about Eating Healthy](#)

[Help Your Teen Avoid Cigarettes and Alcohol](#)

[Appendix: Reviewing Osteoporosis Programs State by State](#)

[Alabama](#)

[Alaska](#)

[Arizona](#)

[Arkansas](#)

[California](#)

[Colorado](#)

[Connecticut](#)

[Delaware](#)

[District of Columbia](#)

[Florida](#)

[Georgia](#)

[Hawaii](#)

[Idaho](#)

[Illinois](#)

[Indiana](#)

[Iowa](#)

[Kansas](#)

[Kentucky](#)

[Louisiana](#)

[Maine](#)

[Maryland](#)

[Massachusetts](#)

[Michigan](#)

[Minnesota](#)

[Mississippi](#)

[Missouri](#)

[Montana](#)

[Nebraska](#)

[Nevada](#)

[New Hampshire](#)

[New Jersey](#)

[New Mexico](#)

[New York](#)

[North Carolina](#)

[North Dakota](#)

[Ohio](#)

[Oklahoma](#)

[Oregon](#)

[Pennsylvania](#)

[Rhode Island](#)

[South Carolina](#)

[South Dakota](#)

[Tennessee](#)

[Texas](#)

[Utah](#)

[Vermont](#)

[Virginia](#)

[Washington](#)

[West Virginia](#)

[Wisconsin](#)

[Wyoming](#)

[Glossary](#)

Introduction

You may think you know enough about osteoporosis without reading a whole book on it. Take calcium, try not to fall down the basement steps, be prepared to shrink three or four inches as you get older, and so on, right? What else is there to know? Plenty, as we hope you'll agree after reading this book. The unfortunate fact is that although nobody wants to have osteoporosis, not enough people take steps to decrease their chances of developing it.

Considering that your odds of developing osteoporosis in the United States today are around 40 percent if you're female and 10 percent if you're male, many people are leaving the fate of their bones to chance.

One of our goals in writing this book is to keep you from developing osteoporosis. However, if you already have osteoporosis, our goal is to minimize the damage it does to your bones, through medication, healthy eating, and exercise.

If you've already fallen and broken bones, we want to help you avoid another fall. If you have children or grandchildren, we hope that you'll nag them into taking steps to avoid falling into osteoporosis themselves. We want to help you have healthy bones. We also want you to avoid spending months in casts or in surgery after falls that break bones you really need to stay mobile.

You can prevent osteoporosis or at least reduce its severity, but it takes lifestyle changes that start in childhood. Is making the lifestyle changes worth it? Ask anyone who's spent six months recovering from a broken hip. Does it take discipline? Yes — but so does learning to walk again.

Nothing in life is simple, but our goal is to educate you as painlessly as possible to the high cost of osteoporosis, and the newest ways to prevent, diagnose, and treat it. Don't fall into the trap of believing that osteoporosis is inevitable; we're here to help you avoid the bad breaks.

About This Book

We wrote this book hoping it would be less of a "how to" book and more of a "how to avoid" book. In other words, rather than just explain how to deal with osteoporosis, we

also want to show how to avoid it altogether.

Unfortunately, for some of you, that's not going to be possible. Some of you already have osteoporosis, and others are inevitably going to have it. For you, we wrote quite a bit of (we hope) helpful information on what medications to take, how to handle a fracture, and how to improve your bone strength.

Osteoporosis is, to a large degree, preventable, but it takes years of planning to prevent it. Although it may be too late to prevent osteoporosis for some of you, others have time — time to educate yourselves, your families, and your friends about building bone that can stand up to the test of time without crumbling.

This book is intended to help you do just that. We wrote it with the personal background of family history of osteoporotic fractures and years of treating patients with osteoporosis. Remember that we didn't write this book to be read all the way through. If you don't have time or if you only want to know about a specific topic, you can go to the section that answers your questions and understand it, without having to read everything that comes before.

However, starting at the beginning may be best for you if you want to know exactly what osteoporosis is. The textbooks say that osteoporosis is “a disease of bony fragility, characterized by low bone mass,” but that doesn't really begin to explain the changes your bones undergo when they become osteoporotic. And it certainly doesn't describe the chaos that fragile bones can bring to your life.

Conventions Used in This Book

In this book we use the following conventions to help make everything consistent and easier to understand.

- ✓ All Web addresses appear in `monofont`.
- ✓ **Bold** text indicates keywords in bulleted lists or highlights the action parts of numbered steps.
- ✓ *Italics* identify new terms, followed by an easy-to-understand definition.

What You're Not to Read

Of course we want you to read everything in this book. However, we understand that you may only want to read the essentials. So in this section we identify the “skippable” material if you’re in such a hurry that you can’t read everything. The following items are interesting to read, but not essential for you to understand and cope with osteoporosis

- ✓ **Text in sidebars:** The sidebars are shaded boxes that appear throughout the book. They sometimes share fun facts, but nothing that’s vital to your understanding of osteoporosis.
- ✓ **Anything with a Technical Stuff icon attached:** This information is interesting, but you won’t break a bone if you skip it.
- ✓ **The stuff on the copyright page:** Although the Library of Congress may find this text fascinating, we doubt you’ll find anything that’s enthralling in the legal language. Feel free to pass over it.

Foolish Assumptions

When writing this book, we make a few assumptions about you, our dear reader. Those assumptions include the following:

- ✓ You or someone you know has been diagnosed with osteoporosis, or you’re concerned about osteoporosis prevention.
- ✓ You want to know about both osteoporosis prevention *and* treatments.
- ✓ You want to know what to expect when you break a bone.
- ✓ You want to know how to find the right specialists for treating osteoporosis.
- ✓ You want to know how to treat the pain that inevitably accompanies a fracture.

We also assume that when you read each chapter or section, you want quick answers on any number of issues related to osteoporosis. The one theme we thread throughout every chapter and section is that an ounce of prevention is worth a ton of cure.

Osteoporosis isn’t inevitable. Fight it hard, with all the tools at your disposal. We hope that one day this book will be obsolete, because osteoporosis will be a disease of the past. And when that day comes, we’ll be dancing for joy — or doing some other weight-bearing exercise to strengthen our bones!

How This Book Is Organized

We divide *Osteoporosis For Dummies* into four parts. You don't have to read them in any order. Like any *For Dummies* book, you can skip to what you really need to know at the moment. The following sections explain how we organized this book.

Part I: Understanding Your Bones

This part starts with an explanation of what osteoporosis is, and why it's a serious health problem. We give you a crash course in Bone 101, and describe who gets osteoporosis and why. We review the most common risk factors for osteoporosis and some of the uncommon ones, too. In addition, we talk about the osteoporosis you don't hear much about: osteoporosis in men and kids.

Part II: Keeping Bones Healthy

In these chapters, we give you the best ammunition possible to fight osteoporosis. We also tell you what to eat and what types of exercise build the strongest bones.

Part III: Diagnosing and Treating Osteoporosis

If you have osteoporosis, you want to get to the nitty-gritty: how best to treat it, what the latest and best medications are, what to do if you break a bone, and what the future holds in the diagnosis and treatment of osteoporosis. You can find it all and more in this part.

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