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# Medical Dosage Calculations

FOR  
**DUMMIES**<sup>®</sup>

## **Learn to:**

- Calculate drug dosages using ratio-proportion, formula, and dimensional analysis methods
- Master measurement system conversions
- Calculate basic IV flow rates and infusion times for IV therapy
- Grasp pediatric dosage calculations

**Dr. Richard W. Snyder, DO**  
*Board-Certified Internist*

**Barry Schoenborn**  
*Technical and Science Writing Specialist*



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Cheat Sheet

# ***Medical Dosage Calculations***<sup>®</sup>

**by Dr. Richard W. Snyder, DO,  
and Barry Schoenborn**



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## About the Authors

**Dr. Rich Snyder, DO**, is an osteopathic physician who resides in Easton, Pennsylvania. He's a kidney specialist, board certified in both internal medicine and nephrology. He did his Internal Medicine Residency at Abington Memorial Hospital and completed both clinical and research fellowships in nephrology at the Hospital of the University of Pennsylvania. He also has experience in graduate medical education. As a former



associate program director and osteopathic program director at Easton Hospital, he was responsible for both the administration and education of medical residents and medical students.

In addition to maintaining a full time clinical practice at Lehigh Valley Nephrology Associates, he has authored and coauthored several articles in peer-reviewed journals, including the *American Journal of Kidney Disease* and *Kidney International*. He has also presented at national meetings, including the National Kidney Foundation's Annual Meeting. In addition to being a coauthor of *Medical Dosage Calculations For Dummies*, he has written the book *What You Must Know About Kidney Disease: A Practical Guide to Conventional and Complementary Treatments*. He's also been interviewed regionally and nationally on both radio and television about integrative medicine and kidney disease. Beginning in January 2011, he can be heard weekly on his show, *Improve Your Kidney Health*, on VoiceAmerica Radio Health and Wellness Channel.

Barry Schoenborn lives in Nevada City, California. He's a longtime technical writer, with over 30 years' experience. He's written hundreds of user manuals, and (in the early days) worked dozens of part-time jobs that required practical and scientific math. Mathematics and engineering were among his college majors until he abandoned them to earn a degree in Liberal Arts.

He isn't a doctor and tries to avoid being hospitalized. However, he's spent many hours undergoing dental procedures, which sparked an ongoing interest in dentistry and medicine. He's the author of the short stories, "Doc Jones, Frontier Dentist," "Doc Jones, Combat Dentist," and "Murder, She Flossed."

In the past, Barry's technical writing company worked with the State of California agency CalRecycle to teach scientists and administrators how to write clearly. Barry's the coauthor of

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He was a movie reviewer for the *Los Angeles Herald-Dispatch* newspaper and wrote a monthly political newspaper column for *The Union* newspaper of Grass Valley, California, for seven years. Barry's publishing company, Willow Valley Press, published *Dandelion Through the Crack*, which won the William Saroyan International Prize for Writing.

## Dedication

Rich Snyder

This book I dedicate to my mother, Nancy Snyder, herself a registered nurse and constant source of inspiration and encouragement.

I also dedicate this book to every nurse, every healthcare provider, and every caregiver out there. You are the unsung heroes and the ones that inspire hope and healing.

I finally dedicate this book to Dr. Hatem Amer, MD, a kidney specialist and best friend who is himself a rarity: His empathy and compassion is as vast as his brilliance. I consider myself lucky to call him a friend.

Barry Schoenborn

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