Pharmacoepidemiology: Basic concepts

Learning outcome objectives
Upon successful completion of this lesson, you should be able to:
1. Outline the basic methodology of different pharmacoepidemiologic studies.
2. Discuss differences and similarities between various trial and study types.
3. Compare different types of bias and confounding observational studies.
4. Interpret statistical parameters found in the medical literature.

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Expert Reviewer: Robert Valuck, Ph.D.
Dr. Valuck received a Bachelor of Science degree in Pharmacy from the University of Colorado, and Masters and Ph.D. degrees in Pharmacy from the University of Illinois at Chicago. He is an associate professor at the University of Colorado’s School of Pharmacy, teaching a required Pharm.D. course in biostatistics, and graduate (Ph.D.) courses in research design and pharmacoepidemiology. His area of research is pharmacoepidemiology, focusing primarily on psychotropic medications including antidepressants and antipsychotics.