

A Textbook of

Pharmacoepidemiology and Pharmacovigilance

for Pharmacy Students



Fernando Fernandez-Llimos



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This textbook has been conceived as a truly diamond open access resource, freely available to every pharmacy student and educator, with the ambition of turning pharmacoepidemiology and pharmacovigilance from “difficult, peripheral topics” into central, engaging pillars of pharmacy education. Building on the methodological standards used in contemporary research and regulatory practice, it aims to provide a rigorous yet accessible pathway from basic concepts to real-world applications, helping students understand how population-based data on drug use, effectiveness, and safety translates into better clinical decisions and healthier societies. By combining clear explanations, structured lessons, and examples rooted in everyday pharmacy practice, the book invites readers not only to master the tools of pharmacoepidemiology, but also to appreciate its intellectual appeal and its importance for professional identity as pharmacists.

The content is organized into a series of focused monographs that guide the learning journey step by step:

- Lesson 1: Foundations of Pharmacoepidemiology – ISBN13: 978-84-124195-2-8
- Lesson 2: Study Designs – ISBN13: 978-84-124195-3-5
- Lesson 3: Confounding and bias – ISBN13: 978-84-124195-4-2
- Lesson 4: Measures of risk and association – ISBN13: 978-84-124195-5-9
- Lesson 5: Disease and Drug classifications – ISBN13: 978-84-124195-6-6
- Lesson 6: Drug Utilization Studies – ISBN13: 978-84-124195-7-3
- Lesson 7: Drug Utilization Metrics – ISBN13: 978-84-124195-8-0
- Lesson 8: Measuring outcomes: PROMs & PREMs – ISBN13: 978-84-124195-9-7
- Lesson 9: Meta-analysis (quantitative synthesis of evidence) – ISBN13: 979-13-992562-0-8
- Lesson 10: Pharmacovigilance – ISBN13: 979-13-992562-1-5

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