IIHMR UNIVERSITY

Online Certificate Programme

Applied Pharmacoepidemiology & Risk Management

Safeguarding Patients.
Strengthening Drug Safety.

Background

Clinical trials provide initial efficacy and safety data under controlled conditions, but once a drug reaches the market it is used by a large, diverse population creating an urgent need for post-marketing surveillance to detect rare or long-term adverse events. Pharmacoepidemiology bridges clinical pharmacology and epidemiology to study drug utilization and effects at population scale, and regulators such as the USFDA, EMA, and India's CDSCO continue to tighten safety reporting requirements.

This Online Certificate Programme equips professionals with the skills to apply epidemiologic methods to drug safety data, detect and analyze safety signals, and design robust Risk Management Plans (RMPs). It blends theoretical foundations with hands-on case studies, enabling participants to directly apply their learning to real-world pharmacovigilance and regulatory challenges.

Objectives

The programme aims to:

01 Understand the foundational concepts, history, and scope of pharmacoepidemiology.

02 Develop competence in observational study designs — cohort, case-control, and cross-sectional.

03 Formulate and analyze safety signals and adverse drug reaction (ADR) monitoring protocols.

04 Draft comprehensive Risk Management Plans (RMPs) in compliance with global standards.

05 Apply pharmacoeconomic evaluation techniques to support clinical decision-making.

Pedagogy

Designed for working professionals, the programme follows an adult learning (andragogy) framework that balances interactive instructor-led webinars, self-paced video modules, case analyses, and collaborative discussion boards. Live sessions are scheduled on weekends to avoid work disruption, with strong emphasis on group case studies, safety database exercises, and real-world simulations that translate directly into workplace application

Course Contents

- Foundations of Pharmacoepidemiology & Drug Safety
- Epidemiologic Study Designs & Methods
- Pharmacovigilance & Adverse Drug Reaction (ADR) Monitoring
- Pharmaceutical Risk Management Plans & Regulatory Compliance
- Pharmacoeconomics & Capstone Project

Programme Duration

Duration: 3 Months (12 Weeks)

Learning Hours:

- 24 Hours Online Instructor-led Sessions
- 24 Hours Guided Self-learning

Credits: 3 Credits

Mode: Live Online (Faculty-led sessions with hands-on practical learning)

Programme Highlights

- Specialized focus on drug safety, pharmacovigilance & risk management
- Curriculum combining pharmacovigilance, pharmacoeconomics & real-world database analysis
- Capstone project solving a real-world drug safety problem
- Expert guest lectures from regulatory authorities and industry leaders
- Weekend online learning format for working professionals
- Hands-on case studies, safety audits & RMP drafting exercises
- Practical assignments and interactive simulations

Who Should Attend?

- Clinical Research & Pharmacovigilance Professionals
- Medical Affairs Managers
- Medical Practitioners (MBBS/BDS/AYUSH)
- Pharmacy Officers (B.Pharm/M.Pharm)
- Regulatory Affairs Executives
- Pharmaceutical Sales & Marketing Managers
- Public Health Officers and Academic Researchers

Eligibility

Graduate degree in Pharmacy (B.Pharm/Pharm.D), Medicine (MBBS/BDS/AYUSH), Nursing, Life Sciences, or Public Health from a recognized university. Candidates with prior work experience in clinical research or the pharmaceutical industry will be given priority admission.

Registration

For programme schedule, fee details, and registration, please contact:

Office of Online Certificate Programmes (OCP)
IIHMR University
1, Prabhu Dayal Marg, Sanganer Airport
Jaipur – 302029, Rajasthan, India
Mobile: +91 9116006536 | Tel: +91-141-3924700
Email: training@iihmr.edu.in

Assessment

Participants will be evaluated through:

- Online Quizzes & Knowledge Checks
- Module Assignments & Case Studies
- Group Presentation
- Capstone Project Report

Programme fee

The programme fee for Indian participants is Rs. 30,000 plus GST (18% as applicable), and for international participants it is USD 315 plus GST (18% as applicable).

Discounts on Fee

Early Bird Discount: Nominations received with payment before four weeks of the commencement of the programme will be entitled to a 10% early bird discount.

Group Discount: Any organization sponsoring four or more participants to the programme will be entitled to a 20% discount on the total fee payable, provided that at least four participants attend the programme.

Maximum Discount: Organizations can avail themselves of both discounts, subject to a maximum discount of 20%.

Certificate

Participants successfully completing the programme and fulfilling the attendance and assessment requirements will receive a Certificate of Completion from IIHMR University, Jaipur.

Programme Coordinator

Dr. Rahul Sharma
Assistant Professor
IIHMR University, Jaipur

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