Health care and Pharmaceutical

MEDICAL BILLING AND CODING FUNDAMENTALS

Curriculum

Program Outline :

Module 1:Fundamentals of Medical Billing and Coding Fundamentals

1.**Medical Terminology:** Understanding medical terms and abbreviations used in healthcare documentation.

2.**Coding Systems:** Familiarity with coding systems such as ICD-10-CM (International Classification of Diseases), CPT (Current Procedural Terminology), and HCPCS (Healthcare Common Procedure Coding System).

3.**Billing Process:** Knowledge of the billing process, including claim submission, insurance verification, and payment posting.

4.**Revenue Cycle:** Understanding the revenue cycle, from patient registration to final payment, and how to manage it efficiently.

5.**Compliance:** Ensuring compliance with healthcare regulations and standards, such as HIPAA (Health Insurance Portability and Accountability Act).

Module 2:Advanced Medical Billing and Coding Fundamentals

1.Complex Coding Systems: Mastery of advanced coding systems such as ICD-10-PCS (Procedure Coding System) and specialized codes for various medical specialties.

2.Auditing and Compliance: Conducting detailed audits to ensure accuracy and compliance with coding standards and regulations.

3.Revenue Cycle Management: Advanced knowledge of the entire revenue cycle, including claim denials, appeals, and payment reconciliation.

4.Medical Necessity Documentation: Understanding and documenting medical necessity to support claims and avoid denials.

5.Healthcare Reimbursement: In-depth knowledge of different reimbursement models, including fee-for-service, value-based care, and bundled payments.

Module 3:Practical Applications

1**. Patient Care and Management:**
Medication Therapy Management (MTM): Pharmacists optimize medication regimens to improve therapeutic outcomes and reduce adverse effects.

2**. Clinical Practice:**
Patient Counseling: Educating patients on proper medication use, potential side effects, and lifestyle modifications to enhance health outcomes.

3. **Pharmaceutical Research and Development:**
Drug Discovery and Development: Conducting research to discover new medications and develop existing ones

4. Healthcare Technology and Innovation:
Telemedicine: Using telehealth platforms to provide remote consultations, follow-ups, and health monitoring

Module 4: Capstone Project
1.**Impact of Telemedicine on Patient Outcomes**
Analyze the effectiveness of telemedicine in improving patient outcomes, especially for chronic disease management .

2.**Pharmaceutical Waste Management**
Develop strategies to reduce pharmaceutical waste and its environmental impact.

3.**Medication Adherence in Elderly Patients**
Investigate factors affecting medication adherence among elderly patients and develop interventions to improve adherence.

4.**Implementation of an Electronic Health Records (EHR) System**
Assess the challenges and benefits of implementing an EHR system in a healthcare facility

Elective Modules
Advanced Pharmacology: Deep dive into the mechanisms of action, side effects, and interactions of various drugs.

Clinical Research Methods: Learn about designing and conducting clinical trials, data analysis, and ethical considerations.

Health Informatics: Study the use of information technology in healthcare, including electronic health records and data management.

Global Health: Explore health issues and solutions in a global context, including international health policies and practices

Websites:

- https://chools.in/
- https://ramaqchools.com/
- https://www.choolsgroup.com/