

## **Pharmacist's Immunization Program**

20 hours of Continuing Education

1. Basics of Vaccinology
  - Basic Immunology
  - Background on vaccine development
2. Influenza Part I
  - Pathogenesis
  - Disease Manifestations
  - Disease Complications
  - Disease Management
3. Influenza Part II
  - Epidemiology of Influenza
  - At Risk populations
4. Influenza Part III "Flumist"
  - Mechanism of Action
  - Contraindications
  - Indications
  - Introduction to use
    - Storage
    - Administration
  - Adverse effects
5. Influenza Part IV Inactivated vaccines
  - Efficacy
  - Contraindications
  - Indications
  - Storage
  - Administration
  - Adverse effects
6. Legal Issues
  - Record keeping/HIPAA
  - Reporting Requirements
  - Vaccines for Children
  - Vaccine Injury Compensation

- Malpractice
- Vaccine information sheets
- Physician Protocols
  - Elements required
  - Submitting Requirements

7. Vaccine Logistics

- Storage Considerations
- Supplies
- Billing/Coding
- Marketing

8. Introduction to Injections

- Needle size
- Injection sites
- Injection site preparation
- Proper use of multidose vials
- Proper use of safety needle devices
- IM vs ID vs Sub Q

9. Management of Adverse Reactions

- Hypersensitivity reactions including Anaphylaxis
- Delayed
- Acute non-hypersensitivity reactions including syncope
- Use of Epinephrine/Antihistamines
- Basic CPR recommendations
- Reporting of adverse reactions
- Suggested on site supplies to manage adverse reactions

10. Blood Borne Pathogen Training – 2 hrs

11. Practicum on Injections