

W: Medication Administration

Major Competency Area: **W**
Medication Administration

Competency: **W-1**
Principles of Pharmacology

Date: January 16, 2017

A Licensed Practical Nurse will:

W-1-1 Demonstrate knowledge and ability to apply critical thinking and critical inquiry throughout the nursing process related to pharmacology and medication administration.

W-1-2 Demonstrate knowledge of chemical drug classifications:

- animal (hormones, enzymes)
- chemical synthesis (antibiotics, steroidal, radioactive)
- natural (plant, mineral, herbal remedies)

W-1-3 Demonstrate knowledge and understanding of pharmacological principles including:

- pharmacokinetics
 - absorption
 - distribution
 - metabolism
 - excretion
- pharmacodynamics
 - adverse effect/side effect
 - anaphylactic/allergic reaction
 - antagonistic effect
 - complementary and alternative therapy interactions
 - dependency/tolerance/sensitivity
 - desired effect
 - drug interactions
 - drug toxicity
 - duration of action
 - idiosyncratic reactions
 - synergistic effect
 - therapeutic duration

A Licensed Practical Nurse will:

- W-1-4 Demonstrate knowledge of routes for medication administration including:**
- gastrointestinal (oral, orogastric/gastric, nasogastric, rectal)
 - inhalational
 - intra-arterial
 - intracerebral
 - intradermal/epicutaneous
 - intramuscular
 - intraosseous
 - intrathecal
 - intravenous
 - intravesical
 - mucous membranes (sublingual, buccal, nasal, optic, otic)
 - percutaneous (topical, transdermal)
 - subcutaneous
 - vaginal
- W-1-5 Demonstrate knowledge and understanding of medication action and effect for client across the lifespan identifying:**
- contraindications
 - lab values
 - nursing implications
 - risk factors
- W-1-6 Demonstrate knowledge and ability to access credible resources for information and research related to medications prior to administration.**
- W-1-7 Demonstrate knowledge and ability to apply infection prevention and control standards in safe storage, handling, removal and disposal of medications according to agency policy including:**
- antineoplastic
 - autoimmune
 - cytotoxic
 - hormones
 - insulin
 - narcotics
 - non-cytotoxic hazardous
 - vasodilators, bronchodilators

A Licensed Practical Nurse will:

- W-1-8 Demonstrate knowledge and ability to perform drug counts on controlled medications according to agency policy including:**
- maintain accurate record
 - accurately record addition and/or removal
 - participate in shift count and accurately record inventory
 - co-sign waste of controlled medication
- W-1-9 Demonstrate knowledge and ability to provide health teaching and coaching related to medications and medication administration.**
- W-1-10 Demonstrate knowledge and ability to communicate and collaborate with inter-professional team.**

Major Competency Area: **W**
Medication Administration

Competency: **W-2**
**Medication Preparation
and Administration**

Date: January 16, 2017

A Licensed Practical Nurse will:

- W-2-1 Demonstrate knowledge and ability to accept, process, verify and initiate written, verbal, telephone or electronic medication orders based on:**
- date and time
 - client name
 - medication name
 - dose, route, frequency, duration
 - authorized prescriber (name, signature, designation)
 - order is accurate, appropriate and complete
 - follow-up with authorized prescriber as necessary
- W-2-2 Demonstrate knowledge and ability to accurately calculate dosages, concentrations, rates and volumes using formulas and standards of measurement associated with medication administration.**
- W-2-3 Demonstrate knowledge and ability to perform additional client assessment prior to medication administration.**
- W-2-4 Demonstrate knowledge and ability to appropriately prepare medications for administration according to agency policy.**
- W-2-5 Demonstrate knowledge and ability to apply the “rights” and “checks” of medication administration to reduce risk of medication error and ensure client safety.**

View the Direct Intravenous Push Practice Document [here](#) for more information.

A Licensed Practical Nurse will:

W-2-6 Demonstrate knowledge and ability to adhere to agency policy and procedure for safe administration of medication by:

- gastrointestinal (oral, orogastric/gastric, nasogastric, rectal)
- inhalational
- intradermal/epicutaneous
- intramuscular
- intravenous - continuous, intermittent, IV push (direct)
- mucous membranes (sublingual, buccal, nasal, optic, otic)
- subcutaneous
- percutaneous (topical)
- vaginal
- intravesicular (bladder instillation)

W-2-7 Demonstrate knowledge and ability to adhere to agency policy when assisting in the monitoring of a client receiving medication administration by:

- intraosseous
- intrathecal
- intra-arterial
- intracerebral

W-2-8 Demonstrate knowledge and ability to provide ongoing assessment, monitoring and evaluation of medication effectiveness.

W-2-9 Demonstrate knowledge and ability to recognize and manage adverse medication reactions according to agency policy.

W-2-10 Demonstrate knowledge and ability to recognize and participate in the management of anaphylaxis in accordance to agency policy.

Major Competency Area: **W**
Medication Administration

Competency: **W-3**
Nitrous Oxide

Date: January 16, 2017

A Licensed Practical Nurse will:

W-3-1 Demonstrate knowledge and ability to administer nitrous oxide:

- identify risks and precautions
- manage adverse reactions
- provide ongoing monitoring

Major Competency Area: **W**
Medication Administration

Competency: **W-4**
Immunizations

Date: January 16, 2017

View the Immunization Practice Guideline [here](#) for more information.

A Licensed Practical Nurse will:

- W-4-1 Demonstrate knowledge and ability to provide immunizations in accordance with professional Legislation, Regulation, Standards and Guidelines.**
- W-4-2 Demonstrate knowledge of concept of immunity and principles of communicable disease prevention and control.**
- W-4-3 Demonstrate knowledge of anatomy, physiology and pathophysiology of communicable diseases.**
- W-4-4 Demonstrate knowledge of the action, purpose, uses and nature of common immunizing/biological agents.**
- W-4-5 Demonstrate knowledge and ability to identify the factors which affect the action of immunizing/biological agents.**
- W-4-6 Demonstrate knowledge and ability to identify side effects, adverse effects, and contraindications of common immunizing/biological agents, and report appropriately.**
- W-4-7 Demonstrate knowledge and ability to adhere to the legal responsibilities, policy, procedure, and scope of practice in the preparation and administration of immunizing/biological agents.**
- W-4-8 Demonstrate knowledge and ability to maintain the cold chain in the transportation and storage of immunizing/biological agents.**
- W-4-9 Demonstrate knowledge and ability to review pertinent health information of client prior to immunization.**
- W-4-10 Demonstrate knowledge and ability to document assessment and nursing actions related to risk factors.**

Competency: **W-4**
Immunizations

Date: January 16, 2017

W-4-11 Demonstrate knowledge and ability to perform critical elements to ensure safety in preparation and administration of immunizing/biological agent.

W-4-12 Demonstrate knowledge and ability to ensure client, family or guardian has sufficient information to give informed consent for immunization including:

- name of immunizing/biological agent to be administered
- disease being prevented
- benefits of immunizing/biological agent
- common side effects
- risks and rare side effects
- rationale for 15-30 minute wait following injection
- contact for follow-up or emergency

W-4-13 Demonstrate knowledge and ability to record immunizing/biological agent administration and client's response.

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