



SOUTH DAKOTA BOARD OF NURSING

4305 S. Louise Ave., Suite 201 | Sioux Falls, SD 57106-3115
605-362-2760 | <https://www.sdbon.org/>

Elective IV Infusion and Medication Therapy Guidelines

The South Dakota Board of Nursing is authorized by the state of South Dakota, pursuant to SDCL 36-9-1.1, to safeguard life, health and the public welfare; and to protect citizens from unauthorized, unqualified and improper application of nursing practices.

The South Dakota Board of Nursing issues opinions as to what constitutes safe nursing practice. As such, an opinion is not a regulation of the Board and does not have the force and effect of law. An opinion is issued as a guideline to licensees who wish to engage in safe nursing practice, and to facilitate the delivery of safe, effective nursing care to the public.

Approval Date: November 9, 2022
Revised: November 16, 2023
Editorial Revisions: November 2024

The following guidelines are intended to promote safe care. Licensed nurses and institutions are encouraged to also refer to other national standards of practice and evidence-based literature to identify additional guidelines or considerations specific to a practice setting or patient population served.

Practice Statement:

The South Dakota Board of Nursing affirms that it is within the scope of practice of a licensed nurse to administer elective intravenous (IV) therapy/hydration and medications, including drugs, substances, or additives such as vitamins, minerals, or electrolytes, for medical or wellness reasons, commensurate with each nurse's licensure, scope, educational preparation, and experience, to "implement nursing care through the execution of regimens requested, ordered, or prescribed by an authorized medical provider", pursuant to SDCL [36-9-3](#), [36-9-4](#), and ARSD [20:48:04](#).

The registered nurse (RN) or licensed practical nurse (LPN) who initiates any form of order, including standing order, protocol, prescription, or regimen, must act within the scope of the South Dakota Nurse Practice Act (SD NPA), SDCL chapters [36-9](#) and ARSD [20:48](#), and any other applicable local, state, or federal laws. The SD NPA does not authorize an LPN or RN to engage in acts that require independent medical judgment, medical diagnosis, or the ordering or prescribing of medications or therapeutic regimens. An LPN or RN must have a medical order to administer medication or IV therapy/hydration, including elective services provided at the request of a client in a non-traditional setting.

The licensee is personally responsible for the actions that the licensee performs relating to the nursing care furnished to clients and cannot avoid this responsibility by accepting the orders or directions of another person.

Written Protocol or Standing Order Guidelines:

Protocols are written instructions or orders for procedures prepared by an authorized medical provider, such as a physician, nurse practitioner, or physician's assistant.

The protocol provides authority and defines a plan of medical/wellness care for use with clients who have not been previously examined or evaluated by an authorized medical provider for that condition.

- The protocol should be developed and designed for a client population with a specific health disorder, set of symptoms, or wellness need.
- The protocol should provide clear instructions on procedures or interventions that the nurse can follow, without using medical judgment, to assure that the procedures are carried out correctly and safely.

Protocols or standing orders at a minimum, should:

1. Be in writing, dated, and signed by the authorized medical provider;
2. Specify which acts require a particular level of training or licensure and under what circumstances they are to be performed;
3. Specify any experience, training, and/or education requirements for those persons who shall perform the procedures;



SOUTH DAKOTA BOARD OF NURSING

4305 S. Louise Ave., Suite 201 | Sioux Falls, SD 57106-3115
605-362-2760 | <https://www.sdbon.org/>

4. Contain specific health history and assessment data to collect, the contraindications for treatment, and circumstances on when to consult with the medical provider;
5. State specific requirements which are to be followed by persons performing the procedures;
6. Be reviewed annually and updated according to accepted medical practice standards.

Guidelines:

A. Medical Provider Role:

An authorized medical provider, acting within their scope, is responsible to write an order for the administration of intravenous (IV) therapy/hydration and medications, including drugs, substances, or additives such as vitamins, minerals, or electrolytes, for medical or wellness reasons, for the RN or LPN to follow.

The medical provider is expected to:

1. Review the client's medical history and perform an assessment of the client's health status; or
2. Provide specific instructions within a written protocol that defines the review of the medical history and client assessment that must be performed by the nurse.
3. Develop a medical/wellness treatment plan that includes a specific order/prescription for IV and medication therapy.

B. RN Role:

An RN may perform nursing interventions including the provision of IV therapy and medication administration as ordered by an authorized medical provider.

It is not within the RN scope to prescribe, order, or procure drugs or substances for medication administration or IV therapy/hydration.

C. LPN Role:

An LPN may assist and participate in the performance of IV therapy and medication administration as ordered by an authorized medical provider for clients 12 years of age and older in a stable nursing situation, and as supervised according to § [20:48:04:01.03](#). The supervising licensed health care provider must be readily available in person or by electronic communication.

The following elective IV therapy tasks may be performed by an LPN:

- Insert peripheral venous access devices, using a needle or a catheter not to exceed three inches in length;
- Administer local anesthetics by the intradermal, subcutaneous, or topical routes for the purpose of pain control when inserting a peripheral catheter;
- Assemble and maintain peripheral line infusion equipment;
- Administer peripheral IV fluids, with or without added medication, prepared and labeled by a pharmacist, RN, physician, nurse practitioner, physician's assistant, or manufacturer;
- Calculate and adjust infusion rates using standard formulas; and
- Discontinue IV therapy infusion and remove peripheral IV therapy catheters that do not exceed three inches in length.

The following tasks may NOT be performed by an LPN:

- Administer direct IV push medications outside of a SD Department of Health licensed health care facility.
- Administer medications or perform tasks expressly excluded in § [20:48:04:07](#).
- Prescribe, order, or procure drugs or substances for medication administration or IV therapy/hydration.



SOUTH DAKOTA BOARD OF NURSING

4305 S. Louise Ave., Suite 201 | Sioux Falls, SD 57106-3115
605-362-2760 | <https://www.sdbon.org/>

Practice Setting Expectations:

1. Maintain written policies relating to the procedures that will be performed that are consistent with applicable standards of practice and evidence-based practice;
2. Maintain documentation on:
 - a. Client assessments and medical history data;
 - b. Education provided to the client on the prescribed infusion and/or medication therapy;
 - c. Client's Informed consent for procedure(s);
 - d. Specific procedures performed and client response to procedure;
3. Establish a method for initial and continuing evaluation of the competence of health care providers;
4. Have in place an emergency management plan that includes when to refer or consult with the authorized medical provider;
5. Have in place infection control measures that are consistent with applicable standards;
6. Follow state or federal requirements for the ordering and procurement of medications, IV solutions, or additives, including vitamins, minerals, or electrolytes. Substances must be obtained from a South Dakota licensed wholesale drug distributor or a South Dakota licensed 503B outsourcing facility; and
7. Follow state or federal requirements for the preparation and administration of medications, IV solutions, or additives, including vitamins, minerals, or electrolytes that meet United States Pharmacopeial (USP) <797> Pharmaceutical Compounding-Sterile Preparations compounding standards.

Registration of Nursing Corporation:

Licensed nurses who own a business to provide nursing services must register the business with the Board of Nursing: [Nursing Corporation Registration](#)

References

1. Gorski LA, Hadaway L, Hagle ME, et al. *Infusion Therapy Standards of Practice, 8th Edition*. Journal of Infusion Nursing. 2021; 44 (suppl 1):S1-S224.
2. National Infusion Center Association. (2019). *Minimum standards for in-office infusion*. Retrieved from <https://infusioncenter.org/>
3. North Carolina Board of Nursing (2022). Position Statement: Administration of Intravenous Fluids (IV Hydration), Nutrient Therapies, and Medications for Hydration, Health, and Wellness. Retrieved from <https://www.ncbon.com/sites/default/files/documents/2024-03/ps-iv-hydration-clinics.pdf>
4. South Dakota Board of Nursing. *Scope of Nursing Practice Decision-Making Framework*. Retrieved from <https://www.sdbon.org/userfiles/files/ScopeofPractice3.pdf>
5. USP Compounding Compendium. (2022). Retrieved from: <https://www.usp.org/products/usp-compounding-compendium>

Applicable South Dakota Laws and Rules

1. [SDCL 36-9-3. Practice of registered nurse](#)
2. [SDCL 36-9-4. Practice of licensed practical nurse](#)
3. [SDCL 36-9A-12. Practice of certified nurse practitioner](#)
4. [SDCL 34-52. Telehealth utilization by health care professionals](#)
5. [ARSD 20:48:01. Definitions](#)
6. [ARSD 20:48:04:01. Standards of nursing practice-registered nurse and licensed practical nurse](#)
7. [ARSD 20:48:04:01.03. Supervision of a licensed practical nurse](#)
8. [ARSD 20:48:04:06. Intravenous therapy tasks that may be performed by licensed practical nurses](#)
9. [ARSD 20:48:04:07. Tasks that may not be performed by licensed practical nurses](#)