

Administration (initiate, adjust, monitor, and terminate) of nitrous oxide-oxygen (N₂O-O₂) minimal sedation; education, training, and examination requirements pursuant to 4715-9-01.2 (effective 12/24/2010)

A licensed dental hygienist seeking to administer (initiate, adjust, monitor, and terminate) nitrous oxide-oxygen (N₂O-O₂) minimal sedation must

1. have completed a basic life-support training course certified by the American heart association, the American red cross, or the American safety and health institute, and remain current at all times when administering N₂O-O₂ minimal sedation.
 2. In order to administer N₂O-O₂ minimal sedation the dental hygienist must have completed the education and examination requirements set forth in paragraph (A) or (B) below.
- (A) A licensed dental hygienist **successfully completes a six hour course** in the administration of N₂O-O₂ minimal sedation provided by a permanent sponsor. The course shall include no less than **four hours of didactic instruction** and at least **two hours of clinical experience**. The course shall include, at a minimum, the following:

(1) The didactic component shall include the following topics:

- (a) The history, philosophy and psychology of N₂O-O₂ minimal sedation
- (b) Definition and descriptions of the physiological and psychological aspects of pain and anxiety
- (c) Concepts and management of pain and anxiety
- (d) Indications and physiology of respiration
- (e) Anatomy and physiology of respiration
- (f) Pharmacological and physiological effects of nitrous oxide
- (g) Description of the stages of drug induced central nervous system depression through all levels of consciousness and unconsciousness with special emphasis on the distinction between the conscious and unconscious state
- (h) Medical assessment of the patient prior to administration of N₂O-O₂ minimal sedation
- (i) Moderate and deep sedation/general anesthesia versus minimal sedation
- (j) Armamentarium used in the administration of N₂O-O₂ minimal sedation
- (k) Initiation, adjustment, monitoring, and termination of N₂O-O₂ minimal sedation

(l) Management of complications and medical emergencies

(m) Legal and ethical considerations

(n) Occupational exposure

(2) The clinical experience shall include at least the following topics:

(a) Patient status assessment

(b) Safe and effective use of appropriate armamentarium

(c) Techniques for administration of N₂O-O₂ minimal sedation

(d) Post-operative care of the patient

(3) Successful completion of a written examination provided by the board-approved permanent sponsor.

(4) A clinical competency, provided by the board-approved sponsor, must be completed.

(5) A certificate, documenting successful completion of the course, must be provided to the dental hygienist by the permanent sponsor within ten days after successful completion of the course, examination, and clinical competency examination. The original certificate or a copy must be maintained in the office(s) wherein the dental hygienist practices.

(B) A dental hygienist shall be exempt from completing a N₂O-O₂ minimal sedation administration course and the examination requirements provided in paragraph (A) of this rule for either of the following:

(1) The licensed dental hygienist holds a **current dental hygiene license, certificate, permit, registration, or other credential issued by another state for the administration of N₂O-O₂ minimal sedation if the training received is substantially equivalent, as determined by the board, to the required hours, content and examination requirements of the course described in paragraph (A) of this rule.**

(2) The license dental hygienist **has graduated on or after January 1, 2010 from an American dental association commission on dental accreditation approved dental hygiene program and has completed the equivalent training within the dental hygiene curriculum.**

Completion of basic life-support and all education and examination requirements for the administration of N₂O-O₂ minimal sedation shall be documented on a form supplied by the board, with any necessary supporting information attached. This form shall be ***maintained in the facility(s) where the dental hygienist is working.*** The board retains the right and authority, upon notification, to audit, monitor or request evidence demonstrating adherence to Chapter 4715. of the Revised Code and/or agency 4715 of the Administrative Code.