



Anesthesia Adverse Events Annual Report

U.C.A. § 26-1-40

Center for Health Data and Informatics

June 30, 2021

BACKGROUND

HB 142 (2017) Anesthesia Amendment requires certain healthcare providers licensed under Utah Code to report IV sedation related adverse events that occur in an outpatient setting (non-Hospital and non-Ambulatory Surgical Centers) to the Utah Department of Health. These providers are identified in UCA Title 58 Division of Professional Licensing (DOPL):

- Podiatrists (58-5a-502)
- Nurses & Nurse Practitioners (58-31b-502.5)
- Physicians and Surgeons (58-67-502.5)
- Osteopaths (58-68-502.5)
- Dentists and Dental Hygienists (58-69-502.5)

Statute dictates that providers who do not report these events (“non-reporting”) are considered in violation of unprofessional conduct with subsequent consequences.

Over the 2017 summer, an interdisciplinary team of healthcare professionals (Podiatrists, Nurses, Certified Registered Nurses of Anesthetics, Anesthesiologists, Physicians and Surgeons, Dentists, Osteopaths and others) met to determine the administrative rule needed to operationalize HB 142. A set of administrative rules (R434-150) were filed and published for public comment with one change and became effective April 14, 2018 .

An online reporting database was developed to receive reports using REDCAP technology. The Patient Safety web site was updated to include the law and rules related to how to report. Per UCA 26-1-40 (3), the Department is required to publicly release this Anesthesia Adverse Events Annual Report by July 1st each year.

In spring of 2018 close to 15,000 providers were notified of the reporting requirement and procedures via email and 12,000 by hard copy letter. In fall of 2019 close to 54,441 providers were notified of the reporting requirement and procedures via email and in spring of 2020, 9,525 providers were notified by hard copy letter. In November 2021, 57,262 email notification reminders were sent to providers. Due to a funding cut no hard copy letters were mailed.

Emails and calls were received asking for clarification of the reporting requirements. Most of these questions were related to clarifying reporting requirements from those who work in hospitals and ambulatory surgical centers versus outpatient settings. Hospital and Ambulatory Surgical Centers are covered under the Patient Safety Rule R 380-200. The law and rules regarding the anesthesia amendment apply to outpatient settings only.

Per 63I-1-226(4), 26-1-40 and the reports of anesthesia adverse events are to be repealed July 1, 2022. The anesthesia adverse event administrative rule workgroup reconvened in April of 2021. The group requested exploring other databases available to the Department such as the Health Facilities Database and the All Payers Claims Database regarding potential adverse events and to compare those numbers to what is received through the RedCap System to get a better understanding of reporting adherence. Depending on the results of the data analysis, and if 26-1-40 is extended, other recommendations such as education and outreach will be explored.

There are 12 complete reports of an adverse event since the effective date. General information about the reports is below.



ADVERSE EVENTS DATA

One death and one adverse event were reported from July 1, 2018 through June 30, 2019.

Reporting Category	Patient 1	Patient 2
Event type	Death	Loss of consciousness and breathing.
Type of health care provider	General Dentist	Dentist
License category of person submitting report	CRNA	Doctor or Dental Surgery
Specialty of person submitting report	Certified registered nurse anesthetist	Dentist
Person who administered sedation or anesthesia	Certified registered nurse anesthetist	Dentist
Proceduralist specialty	General Dentist	Doctor or Dental Surgery
Proceduralist license type	Other	Dentist
Type of facility in which the death or adverse event took place	Anesthesia administered at dental clinic, death occurred several hours later at a hospital	Physician's Office

Three adverse events were reported from July 1, 2019 through June 10, 2020

Reporting Category	Patient 1	Patient 2	Patient 3
Event Type	Adverse anesthesia event	Transport to ER for evaluation of potential MI	Patient slow to wake up after sedation
Type of health care provider	Dentist	Dentist	Medical Doctor
License category of person submitting report	DDS	DMD	N/A
Specialty of person submitting report	Oral Surgeon	Oral Surgeon	Clinic Manager
Person who administered sedation or anesthesia	Dentist	Dentist	Nurse
Proceduralist specialty	Oral Surgeon	Oral Surgeon	OBGYN
Proceduralist license type	DDS	DMD	Physician and Surgeon
Type of facility in which the death or adverse event took place	Oral Surgery Office	Ambulatory Surgical Center	Physician's Office



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Seven adverse events were reported from June 11, 2020 to June 29, 2021

Reporting Category	Patient 1	Patient 2	Patient 3	Patient 4	Patient 5	Patient 6	Patient 7
Event Type	No harm sedation reversal	Anesthesia adverse event	Anesthesia related event	Anesthesia adverse event	Resuscitation and EMS Dispatch	Deeper than intended sedation	Medication reaction
Type of health care provider	Medical Doctor		Medical Doctor	Oral Surgeon		Medical doctor	Oral Surgeon
License category of person submitting report	Registered Nurse	Certified Registered Nurse Anesthetist	Registered Nurse	DDS, FACS	Certified Registered Nurse Anesthetist	Registered Nurse	Dentist
Specialty of person submitting report	Registered Nurse	CRNA	Registered Nurse	Oral Surgeon	CRNA	Pain Management	Oral Surgeon
Person who administered sedation or anesthesia	Registered Nurse	Certified Registered Nurse Anesthetist	CRNA	Oral Surgeon	Certified Registered Nurse Anesthetist	Registered Nurse	CRNA
Proceduralist specialty	Pain Management	CRNA	Plastic surgeon	Oral Surgeon	CRNA	Medical doctor	Dentist
Proceduralist license type	Medical Doctor		Medical Doctor	Dentist		Medical doctor	Dentist
Type of facility in which the death or adverse event took place	Outpatient Clinic	Physician's Office	Ambulatory Surgical Center	Private Practice: oral and maxillofacial surgery	Dental Office	Physician's Office	Oral surgery