# Anesthesia Adverse Events Annual Report

# U.C.A. § 26-1-40

## Center for Health Data and Informatics

## BACKGROUND

In the 2017 Legislative year, HB 142 Anesthesia Amendment was passed which requires healthcare providers licensed under the Utah Code, Division of Professional Licensing (DOPL) Title 58 (Sections 58-5a-502 (Podiatrists), 58-31b-502.5 (Nurses & Nurse Practitioners), 58-67-502.5 (Physicians and Surgeons), 58-68-502.5 (Osteopaths) and 68-69-502.,5 (Dentists and Dental Hygienists) to report IV sedation related adverse events that occur in the outpatient setting (non-Hospital and non-Ambulatory Surgical Centers) to the Utah Department of Health. If a provider does not report these events, the DOPL law change has determined that "non-reporting" to be considered 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 rule set needed to operationalize HB 142. A set of administrative rules were filed and published for public comment with one change and have become 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. Effective date for reporting to begin was set at July 1, 2018.

In spring of 2018 close to 15,000 providers were notified of the reporting requirement and procedures via email and 12,000 in a 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 in a hard copy letter.

Several phone 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 apply to outpatient settings only.

There have only been five complete reports of an adverse event since the effective date. General information about the reports is below.

UTAH DEPARTMENT OF HEALTH

# ADVERSE EVENTS DATA

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

| Reporting Category | Patient 1 | Patient 2 |
|---|---|---|
| Event type | Death | Loss of consciousness and breathing. Temporary harm required hospitalization. |
| 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 have been reported from July 1, 2019 through June 10, 2020

| Reporting Category | Patient 1 | Patient 2 | Patient 3 |
|---|---|---|---|
| Event Type | Seizure like activities. Transported to ER. On arrival at the ER, seizure like activity resolved. Released from ER after monitoring. | Transported to ER for evaluation of potential MI. Patient was released after MI was ruled out. | Patient slow to wake up after sedation. Rescue or reversal agent used. |
| 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 |