



AAOMS Fact Sheet on Pain and Anxiety Control

- 1. Seldin, Harry M- Use of Nitrous Oxide-Oxygen Anesthesia in Dental Surgery, Anesthesia & Analgesia 26:248, Nov-Dec 1947**

Survey 207 OS, 5-year period 1943-1947
15 fatalities; 2,429,148 anesthetics (1:161,943)
- 2. Seldin, Harry M and Recant, Benjamin S- The Safety of Anesthesia in the Dental Office, JOS 13:199, July 1955**

Survey New York City, 10-year period 1943-1952
6 fatalities; 1,000,000 anesthetics (1:166,666)
- 3. Driscoll, Edward J - Proceeding of the Conference on Anesthesia for the Ambulatory Patient ASOS 48th Annual Meeting, Pre-Meeting Conference, September 19, 1966, pp 48-54.**

Survey 73% of AAOMS membership (1,098 respondents) 1-year-1965
1:511,333 (local and general)
General Anesthesia (alone) 5 fatalities – 1,575,000 (1:315,000)
Local Anesthesia (alone) 1 fatality – 1,493,000 (1:1,493,000)
- 4. Driscoll, Edward J – ASOS Anesthesia Morbidity and Mortality Survey, JOS 32: October 1974, pp. 733-738**

Survey 66% of AAOMS membership (1,507 respondents) 1-year-1972
11 fatalities-5,250,000 local and general anesthetics (1:477,273)
General Anesthesia (alone) 7 fatalities-2,445,853 (1:349,408)
Local Anesthesia (alone) 4 fatalities-2,839,517 (1:709,977)
- 5. Lytle, John J – Anesthesia Morbidity and Mortality Survey of Southern California Society of Oral Surgeons, JOS 32:October 1974, pp. 739-744**

Survey 88.6% of S.C.S.O.M.S. membership (117 respondents)
5-year period 1968-1972
3 fatalities – 1,295,000 anesthetics (1:432,000)
- 6. Lytle, John J and Yoon, Charles -1978 Anesthesia Morbidity and Mortality Survey: Southern California Society of Oral Surgeons, JOS 38: November 1980, pp. 814-819**

Survey 100% of SCSOMS membership (153 respondents)
5-year period 1973-1977 (second 5-year study)
0 fatalities -1,285,000 anesthetics

7. Personal Communication, Huntington, Robert E – Southern California Society of Oral and Maxillofacial Surgeons Preliminary Report SCSOMS

Survey 100% of SCSOMS membership (172 respondents)
5-year period 1978-1982
3 deaths-1,198,965 general anesthetics (1:399,655)
Combined 15-year surveys – 1968-1982 SCSOMS
6 deaths – 3,778,965 (1:629,828)

Combined 10-year period 1968-1977; 3 fatalities in 10 years (1:860,000)

8. Personal Communication, D'Eramo, Edward M. – Massachusetts Society of Oral and Maxillofacial Surgeons

Survey 100% of MSOMS membership (157 respondents)
5-year period 1976-1980
2 fatalities – 2,353,320 Anesthetics (1:1,176,660)

9. Personal Communication, Snyder, Bernard S – State of Ohio Information

Since 1974, Ohio law has required reporting of deaths to the State Board of Dental Examiners
Reported February 1982, 2 fatalities – 3,500,000 (1:1,750,000)

10. Allen, George, MD – The Role and Responsibilities of the Anesthesiologist in Education and Training in Ambulatory General Anesthesia, Proceedings of 1983 Meeting of Directors and Faculty of Oral and Maxillofacial Surgery Residency Programs, Educational Foundation – AAOMS, New Orleans, LA, p.57

The record of patient care in anesthesia for outpatient oral and maxillofacial surgery is excellent.

1 fatality in 1,000,000 outpatient general anesthesia for dentistry (1:1,000,000)
1 fatality in 1,000,000 local anesthesia for dentistry (1:1,000,000)
1 fatality in 283,658 in free-standing ambulatory clinics by anesthesiologists (MD) (1:283,658)

11. Lunn, JN and Mushin, WW; Mortality Associated with Anesthesia, Anesthesia, 1982, Volume 37, p.856, Nuffield Provincial Hospital Trust, London, England

1 fatality in 10,000 general anesthesia for surgery in the hospital and outpatient setting (1:10,000)

12. American Association of Oral and Maxillofacial Surgeons' Survey of OMS State Societies

Survey of 50 state societies – 34 respondents representing 1,591 members of 4,000 possible – 40% response
1 year – 1983

3 fatalities: 96 morbidities – 970,871 General Anesthesia (1:323,623)
2 fatalities: 53 morbidities – 627,488 IV Sedation Procedures (1:313,744)
0 fatalities; 56 morbidities – 1,189,978 Local Anesthetics (1:1,000,000 approx.)
morbidity

Combined figures General Anesthetics and Sedation Procedures 5 fatalities –
1,598,359 (1:319,672)

Combined figures General anesthetics and Local Anesthetics 5 fatalities –
2,788,337 (1:557,667)

13. California Studies – Comparative mortality rates for dental office anesthesia 1974-1991. Data include prior publications from SCSOMS

Tomlin, UK – 1974 General Sedation, Local, 29/7,956,000 (1:274,000)

Driscoll-1974 General Sedation, Local, 11/5,285,570 (1:480,500)

Coplans & Curson, UK-1982, Various, 63/14,473,000 (1:229,730)

Lytle & Stamper-1989, General, 7/4,711,900 (1:673,000)

D'Eramos-1992, General Sedation, Local, 2/2,082,805 (1:1,000,000)

Summary of 5 studies: 112/34,509,275 (1:300,000)

14. OMSNIC (OMS National Insurance Company) Anesthesia Morbidity and Mortality Data (1988-2004)

Total number of in-office anesthetics administered (conscious sedation, deep sedation and general anesthesia): 29,608,316

Office fatalities/brain damage per anesthetics administered: 1:704,060

15. Perrott DH, Yuen JP, Andressen RV, Dodson TB. Office-based ambulatory anesthesia: Outcomes of clinical practice of oral and maxillofacial surgeons, J Oral Maxillofac Surg 61:983-95, 2003.

Prospective cohort study, January – December 2001

Total number of patients: 34,391

Mortalities: 0

Complications requiring hospitalization: 5.8:100,000.